Official Address:

The correspondence of the University is conducted by the Registrar, and all communications on University matters should be addressed as follows:

The Registrar
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Auckland
New Zealand

Telegrams and Cables: University Auckland

Facsimile: 64-9-373 7400

Telephone: 64-9-373 7999 (switchboard operators)
           64-9-373 7599 and appropriate extension (automated attendant)
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## General Information

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THE UNIVERSITY OF AUCKLAND

ARMS OF THE UNIVERSITY OF AUCKLAND

Heraldic Description
Azure between three Mullets Argent an open Book proper edged and bound Or with seven clasps on either side Gold on a Chief wavy also Argent three Kiwis proper. On a scroll set below the Arms appear the words 'Ingenio et Labore'.

Symbolism
The open book together with the motto 'Ingenio et Labore', freely translated as 'by natural ability and hard work', indicate in a general way the aim of the institution and combined with the three stars express the idea of learning pursued under the sky of the Southern Hemisphere. The kiwis are indicative of New Zealand as the bird is absolutely confined to its Islands and the silver wavy chief upon which they are set directs attention to the fact that Auckland is on the sea coast.

The crest is used in combination with the logotype 'The University of Auckland' to form the University mark. Guidelines for the mark are prescribed in the University's Visual Identity Manual.

THE UNIVERSITY

The University has 10 faculties representing each of its main disciplines: Architecture Property and Planning, Arts, Commerce, Education, Engineering, Fine Arts, Law, Medicine and Human Biology, Music, and Science. In addition, Theology is offered by a Joint Board of Study. There are 56 teaching departments, ranging from Accounting and Finance to Sociology. Some departments are associated with more than one faculty.

Many courses and research activities reflect Auckland's and New Zealand's place in the world. Pacific archaeology, ethnology and languages, for example, are stressed in the Anthropology Department. Geographers carry out fieldwork in the Pacific Islands while University scientists make frequent study trips to the Antarctic. Four Asian languages - Chinese, Japanese, Indonesian and Korean - are taught and Samoan was introduced in 1991. New Zealand's concerns and problems are addressed in subjects as diverse as sociology, medicine, engineering and architecture. The Geothermal Institute is one of four international centres which provide training in geothermal technology.
Almost all teaching staff engage in research which attempts to advance the frontiers of knowledge and understanding. Research is also vital to sustain university teaching. Over 2500 students are enrolled for postgraduate studies (non-doctoral) and around 530 for doctorates. While research is more often basic than applied, what is discovered may ultimately prove eminently practical. The Yacht Research Institute's contribution towards New Zealand's campaigns for the America's Cup is one notable example. A research laboratory at Leigh, east of Warkworth, carries out marine fieldwork. Various research centres cross disciplinary boundaries. The School of Medicine is one of the largest single research institutions in New Zealand.

The University's governing body is the Council, a mixture of elected staff, students and graduates, and outside appointees. The Vice-Chancellor, the University's chief academic and administrative officer, is also a member. Council is chaired by the Chancellor whose other duties are largely ceremonial.

On academic matters Council is bound to consult the Senate which the Vice-Chancellor chairs. This body includes all the professors, some non-professorial staff and student representatives. The Senate takes advice from the Deans, Academic and Research Committees, and from specialist committees, dealing for example with the Library, the Computer Centre and the Audio Visual Centre, and the Faculties.

Day to day central administration is performed by the Registry. It is divided into academic, corporate services, finance, staff, student services and works sections and is headed by the Registrar.

**HISTORY OF THE UNIVERSITY OF AUCKLAND**

As early as 1862 an unknown writer, 'J.G.', proposed in *Chapman's New Zealand Monthly Magazine* that a university should be established in Auckland. No one took up the suggestion. In the South Island, where the inhabitants were wealthier and keener on education, a university was established in Otago in 1869 and a college in Canterbury in 1873. In 1870 Parliament passed legislation to create the University of New Zealand as an examining body with affiliated teaching colleges. An Auckland politician, later Speaker of the House of Representatives, Maurice O'Rorke, tried to induce Parliament to place the University in Auckland, but he failed. The University of New Zealand had no fixed abode; its Senate met in the main towns in turn.

The citizens of Auckland did nothing to establish a college, but some so-called 'university' instruction was provided at the Auckland Grammar School. One student, Kate Edger, in 1877 became the first woman to graduate B.A. at a British university.

In 1878 O'Rorke was appointed chairman of a Royal Commission to report on higher education. It recommended that University Colleges should be established at Auckland and Wellington. In 1882 the Auckland University College was set up by Act of Parliament. Thus the College was a creation, not of the citizens and local government, like those in the south, but of the state.

The applicants for the first four chairs, of Classics and English, Mathematics, Natural Science, Chemistry and Physics, were interviewed in England by the New Zealand Agent-General and some of the most famous scientists and scholars of the day, including the great Benjamin Jowett of Balliol College, Vice-Chancellor of Oxford University. The men appointed formed an impressive group. The chemist, F.D. Brown, had studied both in France and at Leipzig as well as London, and taught at Oxford and London. He had published a dozen papers. Algernon Phillips Thomas, the biologist, was a Balliol man who had discovered the life history of the liver fluke. The classicist, T.G. Tucker, was to become a famous scholar. When he left to go to Melbourne University in 1885 he was succeeded by Hutchinson Macaulay Posnett, an Irishman who had written several books, including one on comparative literature, what would now be called the sociology of literature, a subject which he is now credited with inventing. The first professor of Mathematics was drowned shortly after he reached Auckland and he was succeeded by W.S. Aldis, who had been the senior wrangler at Cambridge and was the author of several mathematical books.

The College was formally opened on 21 May 1883 in the Choral Hall, then the largest hall in Auckland. The Governor, Sir William Jervois, announced that the College would be a thoroughly democratic institution, open to all, women as well as men, and to all classes. He remarked that the first College building was a barn. It was, in fact, a disused courthouse.

When O'Rorke had first tried to secure a University for Auckland, in 1872, he had suggested housing it in Government House, left empty when the capital was moved to Wellington in 1865. This immediately aroused opposition in the newspapers, for many Aucklanders hoped that the capital- and the governor - would eventually return to Auckland. These conflicting ambitions lay at the basis of a recurrent feature of the history of the College, the great 'site row' which raged with particular violence in the years 1909-12, with the College trying to get at least part of the grounds of Government House while numerous citizens strongly opposed it. One result was that for years the College has no permanent site or permanent buildings. Instead, it acquired the disused Admiralty House and a building which had been the original Parliament House. In 1907 the Choral Hall was purchased. In 1917 the College occupied the deserted Grammar School. Not until 1926 did it acquire its first permanent building, now the Old Arts building, in Princes Street.

The College was poor: its statutory grant was for many years only £4,000 a year, while educational reserves were of such poor land that they brought in very little. It was small: there were 95 students in 1883; 156 by 1901. Many of the students had not passed the matriculation examination. Most of them were part-time, trainee teachers and Law clerks, Music students from 1888 onwards, Commerce students by 1905. The College was dominated by the lay members of Council, especially by Sir Maurice O'Rorke, who was its chairman from 1883 to 1916. When Professor Aldis complained in 1892 that he had found the College stables occupied by O'Rorke's son's polo ponies he was dismissed! Despite a prolonged public controversy, Council would not reinstate him. Posnett also left, in 1891.

Some of the best professors departed. Most of the remainder grew increasingly out-of-date in their subjects. There was no system of sabbatical or study leave until the nineteen-twenties. The teachers simply handed on traditional knowledge: research was not expected and was rarely done. The staff lectured for very long hours. In some subjects research was impossible. For instance, the library took no mathematical journals, so the mathematicians knew little about recent work. Some students, however, carried out good research notably in Chemistry. In general the students were given a good, traditional undergraduate education, but standards were not rigorous and had in some subjects declined by the twenties.

In that decade and well into the thirties the College was ruled by a Registrar, Rocke O'Shea, and a new Chairman (President after 1924), another former Cabinet Minister, Sir George Fowlds. Under their not always benevolent dictatorship some improvements were made. The first New Zealand graduates with post-graduate education abroad were appointed to the staff, notably the very able economist, Horace Belshaw, the philosopher, R.P. Anschutz, and the physicist, P.W. Burbridge. An excellent researcher, W.F. Short, was appointed as a lecturer in Chemistry.

Some advances were made in providing professional education. The only such education offered at the College was in Law, which attracted large numbers of students. The only 'professional schools' recognised by the University of New Zealand were Medicine at Otago and Engineering at Canterbury. In 1906 the College established a School of Mining, which covertly by degrees was turned into a 'School of Engineering'. After fierce battles with Canterbury, fired by provincial rivalry, the Auckland School received University recognition...
for its teaching in the first two professional years. Students then had to go to Canterbury to complete their final year of education. In the course of this battle, in 1917, the College also began instruction in Architecture.

During the depression of the early nineteen-thirties there were great disputation and rancour. The temporary appointment of a lecturer in history, J.C. Beaglehole, later a world famous scholar, was terminated, his friends believed, because of a letter of liberal or radical tenancy, to a newspaper, defending the right of Communists to distribute their literature. This episode led to a Council election in which a liberal, Hollis Cocker, displaced a conservative. The College Council now adopted resolutions in favour of academic freedom and received the undeserved congratulations of the flower of the British academic establishment, including Lord Rutherford and Wittgenstein. At this time, in a modern terminology, the College 'came alive'. For instance, some students, led by James Bertram, established a new literary journal, Phoenix, which was the focus for the first literary movement in New Zealand history: Allen Curnow, A.R.D. Fairburn, R.A.K. Mason and other writers, later distinguished, wrote for it.

The College received a great intellectual stimulus in 1934 when four new professors arrived, H.G. Forder, a very able mathematician, Arthur Sewell, a brilliant lecturer in English, a classicist, C.G. Cooper, and a new historian, James Rutherford. The College had never had academic leadership. Cocker came to dominate it before and during World War II as much as had O'Rorke and O'Shea. But Council now appointed the first Principal (later Vice-Chancellor) K.J. Maidment. He came in 1950 and remained for two decades. He was a Classics don from Merton College, Oxford. The nineteen-fifties was a very difficult period in the history of the College - the University of Auckland, as it was called from 1958 onwards. There was a further, fierce 'site row'. Council wanted to move to a larger site out of town. The National Government in 1956 offered Government House to the College as a compensation for staying in Princes Street. Another 'save Government House' campaign followed. Both academic staff and the public were deeply divided over the issue, which was resolved in 1960: The University was to stay where it was.

The 'site row' held up the building programme for about six years, while student rolls rose rapidly, to 4,000 by 1959, with the result that there was bad overcrowding in quite inadequate buildings - army huts for instance, were erected. Universities everywhere were expanding rapidly. New Zealand salaries were low and many able Auckland staff were recruited by Australian or other universities. Despite these problems, there was significant progress. New subjects were introduced: Geography, Anthropology, Maori Studies, Fine Arts. There was a new emphasis on staff research. Many of the new and younger academics became very active researchers, as could be seen in the growing lists of staff publications.

A general improvement in conditions was spearheaded by a Committee, the Hughes Parry Committee, which reported on University conditions. Staff salaries were raised. For the first time the students were given fairly generous bursaries, which led to a rapid increase in the proportion of full-time students. The government grant to the University rose rapidly. There was a massive university building programme, and over the next two decades the campus was transformed as one large building after another was erected: Fine Arts, Science, Engineering buildings, a Student Union, a new Library. A number of new subjects were introduced, including Political Studies, Art History, and Sociology. In 1968 teaching commenced in the new Medical School, which was the most important 'new development'. By the end of the sixties Auckland had the largest University Library in the country, whereas it had usually been the smallest. Most of the credit for this belonged to Kenneth Maidment. One other change must be mentioned. In 1962 the University at last became independent, when the University of New Zealand was abolished.

When Dr Kenneth Maidment departed in 1970, there were 9,500 students. His successor, Dr Colin Maiden, was an Auckland engineer who headed a research division of General Motors in Michigan. One of the first things that struck him in Auckland was the paucity of staff facilities. He pushed ahead to get them a theatre, a splendid gymnasium and recreation centre, and a large playing field 'complex'. The entire administrative organisation, from faculties and committees to deputy vice-chancellors, was reformed. The academic boom of the sixties continued well into the seventies and several new buildings, like Human Sciences, were built and new subjects, like Management Studies and Computer Science, were introduced.

The seventies brought numerous social changes: an increase in the proportion of Maori and Polynesian students and in the proportion of women as well as in the proportion of older students. Only in the years 1975-81 were the first two women professors appointed, Marie Clay and Patricia Bergquist. At a time of high inflation the government grant to the University rose rapidly, to $95.2 million by 1989. Nevertheless there was a certain austerity by then, in a bleak economic climate, but after a century of growth the University seemed sufficiently strongly established in the community to withstand hard conditions.

Its position was indeed to be challenged in the following year. The wide-ranging restructuring of Education undertaken by the Labour government encompassed the universities, and their autonomy and their identity were seen to be threatened. As a result of efforts by the universities, supported by alumni, some changes were secured in the Education Amendment Act 1990, but the University Grants Committee was abolished. The Universities were placed directly under the Ministry of Education, and the composition of the Council was altered.

The University was also faced with adverse financial conditions. Anxious to respond to the demand for university education, it offered papers at Northland Polytechnic, at Manukau Polytechnic, and at the Auckland College of Education, and, acquiring buildings from the Commonwealth Wealths Village, it began to develop a second campus at Tamaki, offering teaching in Commerce. It was obliged, like other universities, to introduce quotas for all first-year papers in 1992, breaking the historic policy of 'open entry'. But from 1993 Arts and Science courses were also available at Tamaki, and the intake at Elam was doubled. In 1994 the roll climbed to 24,009 students.

**THE CITY CAMPUS**

The City Campus is in the heart of Auckland City, separated from the tower blocks of the central business district by historic Albert Park on its western flank. To the south-east lie the trees and open spaces of the Auckland Domain. Its proximity to the cultural and commercial amenities of the country's largest city, attractive green setting and harbour views bestowed advantages enjoyed by few inner city campuses anywhere.

The development of the City Campus has been continuing over the last hundred years. Following its opening as Auckland University College in 1883 with four teaching staff and 80 students were some 40 years of wanderings in temporary homes, including the disused Parliament Building, Grammar School and Choral Hall. All of these have now disappeared except for the last. Finally, the College was given the horse paddock behind Government House and a contest was held to design the first permanent building, the ornate Old Arts Building which opened in 1926.

With the swift rise of the roll after the Second World War, many prefabricated buildings had to be squeezed onto the then tiny campus while debate raged over whether to move the University to the eastern suburbs. A building boom began in the 1960s after the decision to stay on the expanded city site. At one stage the University was operating in more than 80 buildings, 45 of which were old houses or
private hotels. Most of these made way for a succession of large structures which transformed the campus: Science, Biology, Engineering, a Student Union, a new Library, Architecture, Computer Centre, Human Sciences, Recreation Centre, Arts-Commerce. A School of Medicine was erected in Grafton in two stages. The period of intensive new construction ended with completion of the new School of Music in 1986 and the Marae complex in 1988. A new precinct to the north of Waterloo Quadrant houses the Education Faculty and the Law School moved into its new premises in 1992.

Today, the City Campus comprises 16 hectares and is crossed by three busy thoroughfares (Symonds Street, Grafton Road and Alfred Street). It covers three entire blocks and part of three more.

Elam School of Fine Arts is a short walk away in Whitaker Place with the School of Medicine on the other side of Grafton Gully, opposite Auckland Hospital in Park Road. The University has purchased Uniservices House at 58 Symonds Street, which houses part of Fine Arts, Uniservices Limited, and the Centre for Information Studies.

Each of the ten faculties of the University teaches papers on the City Campus towards degrees, diplomas and certificates as well as carrying out research.

**THE TAMAKI CAMPUS**

The Tamaki Campus was established in 1991 as part of the University’s strategy for meeting Auckland’s ever-increasing demand for university education.

The Campus is located on a 30-hectare site at the corner of Merton and Morrin Roads in Glen Innes. It overlooks the Tamaki River estuary and includes the excellent playing fields and spacious club-rooms of the University Park.

There are three academic divisions at Tamaki: Arts, Commerce and Science and Technology. They are responsible for the teaching at the Tamaki Campus.

The academic and administrative head of the Tamaki Campus is the Assistant Vice-Chancellor (Tamaki). Each of the academic divisions is headed by one of the division’s Professors. The academic staff are members of departments and faculties on the City Campus. They have primary teaching responsibility at Tamaki but may teach on both campuses. Staff from the City campus also teach at Tamaki.

**Arts Division**

The Arts Division at Tamaki commenced teaching for the BA degree in 1993. In 1995 Stage I and Stage II will be taught in Anthropology, Economics, English, Geography, History, Japanese, Management Studies and Labour Relations, Maori Studies, Mathematics, Philosophy, Political Studies, Psychology, Spanish and Statistics. Stage III papers are also available in most of these subjects and more will be available in 1996. Students may choose to take some of their papers on the City Campus, while students on the City Campus may wish to take papers taught at Tamaki. Tamaki papers provide the necessary prerequisites for advanced undergraduate and postgraduate papers on either campus.

The Arts Division at Tamaki is establishing a number of multi-disciplinary and inter-disciplinary programmes which are regional and/or problem based. There is a particular concentration on the Pacific. These programmes are usually additional to, but provide a broader context for, a linked major in a specific discipline. The six initial programmes offered in 1995 are Science and Human Affairs: a programme in the history and philosophy of science; Latin American Studies; Post-Colonialism and Development Studies; North Asian Studies; Environmental Studies and Political, Philosophy and Economics (PPE).

**Commerce Division**

The Commerce Division began teaching for the BCom Degree at Tamaki in 1991. Accounting and Finance, Commercial Law, Economics, Management Studies and Labour Relations, Management Science and Information Systems, and Marketing and International Business provide the disciplinary core of the degree programme. The first and second year papers are similar to those offered on the City Campus. In the third year, which will be available from 1994, students can specialise in:

- Financial Management, with a focus on the increasingly important area of financial management in the modern enterprise within a course fulfilling all ACA requirements;
- International Studies, with a focus on business issues linking New Zealand with Asia, Latin America, Australia and Europe; or Information Technology, with a focus on the information technologies and data communication.

Students may also take the four-year conjoint BCom/BA or BCom/BSc Degrees.

**Science and Technology Division**

The Science and Technology Division commenced teaching at Tamaki in 1993 with two new and innovative BSc Degree programmes and a new four-year BTech Degree. The courses available include the following:

- **BSc**
  - Environmental Management which provides a broad education in environmental management based on Biology, Geography and Geology;
  - Applied Physics which includes papers in Physics, Electronics, Computer Sciences, and Mathematics;
  - A general degree with potential majors in Biology, Computer Science, Geography, Mathematics and Statistics, Physics, or Psychology.
  - BSc or BSc(Hons) (Sports Science) which includes specialised papers in the science of sports performance as well as Biology and Psychology.

- **BTech**

This is an inter-faculty degree. Two options are available at Tamaki:

- Information Technology which provides education in all aspects of information technology and is based on Computer Science, Management Science and Information Systems, Mathematics and Physics;
- Industrial Mathematics which provides education in Mathematics and Statistics as applied to all aspects of industry and commerce.

The courses and papers taught on the Tamaki Campus are governed by the General Statutes and Regulations and by the Regulations for the specific degrees of the University. These degree regulations are found in the relevant sections of the Calendar. The papers taught at the Tamaki Campus have the prefix T before the paper number. Papers taught both at the City Campus and Tamaki Campus are shown twice in the degree schedule (eg. for Accounting 01.100, it is shown for the City Campus as “01.100 Accounting (a)” and for the Tamaki Campus as “T01.100 Accounting (a)”)

Students take their full programme of courses at Tamaki. However, they may also take, subject to availability of places, papers on the City Campus. Similarly, students enrolled for full-time studies on the City Campus may take, subject to availability of places, papers from among those offered at Tamaki. There is a shuttle service between the two campuses.
In 1993 there were 1258 (795 equivalent full-time students [EFTS]) students at Tamaki. The number of EFTS is projected to rise to 1309 in 1994; 1926 in 1995; and 2312 in 1996. The Campus is planned to ultimately accommodate 7,000 students.

The University Council has approved a building programme for the first phase of the development of the Campus which began in 1990 through to 1996. The first permanent academic building and lecture theatre were completed for the start of the 1993 academic year. Six other permanent academic buildings and two lecture theatres are expected to be completed by the end of this phase.

The Tamaki Campus Library has a growing collection of books, serials and videos covering all the papers taught on the Campus. The Library is linked to the computerised catalogue (AUCAT) on the City Campus.

The Campus offers smaller classes and more personal attention. It has easy access to all parts of Auckland. Students enjoy generous computer facilities, fully integrated with the University's computer and electronic mail network; adequate parking; and the playing fields of University Park.

JOINT ARRANGEMENTS WITH COLLEGES AND POLYTECHNICS

In addition to the two campuses owned by The University of Auckland, joint arrangements have been made with several tertiary institutions.

**Auckland College of Education**

The Bachelor of Education is jointly taught by the University and Auckland College of Education. Papers in Stage I English, Mathematics, and Psychology, papers for the Bachelor of and Diploma in Science Education, for the Diploma in Mathematics Education and for the MA in Social Work are also taught at the campus of the Auckland College of Education.

**The Auckland Consortium for Theological Education**

The Bachelor of Theology is jointly taught by the University and the members of the consortium which include The College of St. John, Trinity Methodist College, Carey Baptist College, the Catholic Institute of Theology, Mount Saint Mary's College and The University of Auckland.

**Manukau Polytechnic**

A Stage I Sociology paper, 82.104 An Introduction to Sociological Analysis: Gender, Ethnicity and Class in New Zealand, is taught at Manukau Polytechnic. The Centre for Continuing Education runs a New Start Programme at Manukau Polytechnic as well as papers on the City Campus.

**Northland Polytechnic**


CONJOINT DEGREE PROGRAMMES

The University of Auckland offers the following conjoint programmes:

BCom/BA; BCom/BE; BCom/LLB; BCom/LLB(Hons); BCom/BSc

Concessions available make it possible to complete both degrees normally in two years less than if the degrees were taken separately. For example a BCom/BA can be completed within four years.

Details of these programmes are defined in the respective degree Regulations.
### 1995 Calendar

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THE CALENDAR YEAR 1995

January 1995

Sunday 1       New Year’s Day
Wednesday 4    Registry opens
Friday 6        Applications close for:
                Pre-enrolment for all students wishing to be considered for enrolment in 1995 except for students who were not enrolled at The University of Auckland in 1994 where the closing date was 7 December 1994 (includes provisional entrance) or where an earlier date is prescribed for a limited entry course or paper.
Monday 30      Auckland/Northland Anniversary Day

February 1995

Monday 6       Waitangi (New Zealand) Day
Tuesday 7      Meeting of Appointments Committee 8.30
Wednesday 8    Meeting of Human Subjects Ethics Committee 1.00
Friday 10      Meeting of Audio-Visual Committee 10.00
                Last day for additions and deletions of MBA, MTaxS and DipBus papers commencing 30 January
Monday 13      Meeting of Deans Committee 9.30
                Meeting of Education Committee 3.30
Tuesday 14     Meeting of Tamaki Academic Committee 4.00
Wednesday 15   Meeting of Information Technology Committee 9.00
                Meeting of Equal Employment Opportunities Advisory Committee 9.00
                Meeting of Leigh Laboratory Management Committee 11.00
                Meeting of Press Committee 2.00
Thursday 16    Meeting of General Staff Committee 4.00
Friday 17      Enrolment begins (17 Feb - 23 Feb)
                Times for enrolment for the various faculties are set out under General Statutes and Regulations, Enrolment Timetable 1995
Monday 20      Meeting of Academic Committee 9.00
                Meeting of Council 4.00
Thursday 23    Meeting of Works Committee 3.00
Friday 24      Candidates who have not presented theses, essays, dissertations and original investigations to complete their degree or diploma by this date are required to re-enrol and are not entitled to have their degree conferred or diploma awarded at the graduation ceremony in May
Monday 27      TERM 1 BEGINS
                Meeting of Student Services Committee 3.30

March 1995

Thursday 2     Meeting of Recreation Committee 3.30
Monday 6       Meeting of Senate 9.30
Tuesday 7      Meeting of Appointments Committee 8.30
                Meeting of Library Committee 10.00
                Meeting of Childcare Committee 11.00
Wednesday 8    Meeting of Human Subjects Ethics Committee 1.00
Thursday 9     Meeting of Theatre Management Committee 3.00
Friday 10      Last day for additions and deletions to all courses of study other than BE, ME, MBA, MTaxS, DipBus, DipG&O, DipObst and final year for MBChB for papers commencing before 19 June that are not taught over the full academic year.
                Last day for additions and deletions to courses for BE and ME for papers commencing before 10 July
Monday 13      Meeting of Deans Committee 9.30
                Meeting of Education Committee 3.30
Tuesday 14     Meeting of Research Committee 10.00
Wednesday 15   Meeting of Equal Employment Opportunities Advisory Committee 9.00
                Meeting of Information Technology Committee 10.00
                Meeting of Promotions Advisory Committee 3.30
Thursday 16    Meeting of Public Relations and Cultural Activities Committee 3.30
Friday 17      Last day for additions and deletions to all courses of study other than BE, ME, MBA, MTaxS, DipBus, DipG&O, DipObst and final year for MBChB for papers taught over the full academic year.
Monday 20      Meeting of Academic Committee 9.00
                Meeting of Council 4.00
Tuesday 21     Meeting of Student Union Management Committee 3.30
Tuesday 28     Meeting of Audit Committee 9.30
Thursday 30    Meeting of Works Committee 3.00
Friday 31      Last day for receipt of applications for the conferment of degrees and award of diplomas for the May graduation ceremony including applications for masters and other degrees with a research content
<table>
<thead>
<tr>
<th>April 1995</th>
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<tbody>
<tr>
<td><strong>Saturday 1</strong></td>
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<td><strong>Tuesday 2</strong></td>
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<td><strong>Wednesday 3</strong></td>
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<tr>
<td><strong>Graduate School of Business examinations end</strong></td>
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<td><strong>Saturday 6</strong></td>
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<th>June 1995</th>
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<td><strong>Monday 5</strong></td>
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<td><strong>Sunday 23</strong></td>
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<td><strong>Monday 26</strong></td>
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</tbody>
</table>
Monday 19  Meeting of Council 4.00
Tuesday 20  Meeting of Research Committee 10.00
Wednesday 21  Meeting of Information Technology Committee 9.00
Meeting Equal Employment Opportunities Advisory Committee 9.00
Thursday 22  ACTE Examinations begin
               Meeting of General Staff Committee 4.00
Friday 23  Engineering study break ends and engineering examinations begin
Monday 26  Meeting of Student Services Committee 3.30
Tuesday 27  Meeting of Appointments Committee 8.30
Friday 30  ACTE Examinations end
               Engineering examinations end
               Last day for additions and deletions to all courses of study other than BE, ME, MBA, MTaxS, DipBus, DipG&O, DipObst and final year for MBChB for papers commencing after 20 June that are not taught over the full academic year.

July 1995

Monday 3  Mid-Term study break begins
               Meeting of Senate 9.30
Tuesday 4  Meeting of Audit Committee 9.30
Meeting of Library Committee 10.00
Sunday 9  Mid-Term study break ends
Monday 10  Meeting of Deans Committee 9.30
Meeting of Education Committee 3.30
Wednesday 12  Meeting of Human Subjects Ethics Committee 1.00
Thursday 13  Meeting of Theatre Management Committee 3.00
Monday 17  Meeting of Academic Committee 9.00
               Meeting of Council 4.00
Tuesday 18  Meeting of Research Committee 10.00
Wednesday 19  Meeting of Equal Employment Opportunities Advisory Committee 9.00
Meeting of Information Technology Committee 10.00
Thursday 20  Meeting of Public Relations and Cultural Activities Committee 3.30
Friday 21  Last day for additions and deletions to courses for BE and ME for papers commencing after July 12
Tuesday 25  Meeting of Student Union Management Committee 3.30
Thursday 27  Meeting of Works Committee 3.00
Monday 31  Meeting of Senate 9.30

August 1995

Tuesday 1  Enrolments (with fees) close with the Registrar for the next examination for DipObst
Applications close for overseas students for entry to the course for DipGeotherm Tech
Closing date for receipt by the Registrar of Rhodes Scholarship applications
Tuesday 1  Meeting of Appointments Committee 8.30
Meeting of Childcare Committee 11.00
Meeting of Leigh Laboratory Management Committee 11.00
Meeting of Press Committee 2.00
Thursday 3  Meeting of Recreation Committee 3.30
Monday 7  Meeting of Deans Committee 9.30
Wednesday 9  Meeting of Human Subjects Ethics Committee 1.00
Meeting of Promotions Advisory Committee 3.30
Thursday 10  Meeting of Finance and Resources Committee 4.00
Saturday 12  TERM II ENDS
               Graduate School of Business Session 2 ends
               Graduate School of Business examinations begin
Monday 14  Meeting of Academic Committee 9.00
Meeting of Education Committee 3.30
Tuesday 15  Meeting of Research Committee 10.00
Wednesday 16  Meeting Equal Employment Opportunities Advisory Committee 9.00
Meeting of Information Technology Committee 9.00
Thursday 17  Graduate School of Business examinations end
               Meeting of General Staff Committee 4.00
Friday 18  ACTE Term II ends
               Meeting of Audio-Visual Committee 10.00
Monday 21  Meeting of Council 4.00
Tuesday 22  Meeting of Tamaki Academic Planning Committee 4.00
Monday 28  Meeting of Student Services Committee 3.30
               Graduate School of Business Session 3 begins
Tuesday 29  Meetings of Appointments Committee 8.30
               Meeting of Audit Committee 9.30
### September 1995

<table>
<thead>
<tr>
<th>Date</th>
<th>Events</th>
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<tbody>
<tr>
<td>Friday 1</td>
<td>Enrolments (with fees) close with the Registrar for the December examinations for DipG&amp;O</td>
</tr>
<tr>
<td>Monday 4</td>
<td>TERM III BEGINS</td>
</tr>
<tr>
<td>Monday 11</td>
<td>Meeting of Senate 9.30</td>
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<tr>
<td>Tuesday 5</td>
<td>Meeting of Library Committee 10.00</td>
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<tr>
<td>Thursday 7</td>
<td>Meeting of Recreation Committee 3.30</td>
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<tr>
<td>Friday 8</td>
<td>Last day for additions and deletions of MBA, MTaxS and DipBus papers commencing 29 August</td>
</tr>
<tr>
<td>Monday 14</td>
<td>Meeting of Deans Committee 9.30</td>
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<tr>
<td>Tuesday 19</td>
<td>Meeting of Research Committee 10.00</td>
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<tr>
<td>Wednesday 20</td>
<td>Meeting of Equal Employment Opportunities Advisory Committee 9.00</td>
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<tr>
<td>Thursday 21</td>
<td>Meeting of Public Relations and Cultural Activities Committee 3.30</td>
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<tr>
<td>Monday 18</td>
<td>Meeting of Academic Committee 9.00</td>
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<tr>
<td>Tuesday 12</td>
<td>Meeting of Childcare Committee 11.00</td>
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<tr>
<td>Wednesday 13</td>
<td>Meeting of Human Subjects Ethics Committee 1.00</td>
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<tr>
<td>Thursday 14</td>
<td>Meeting of Theatre Management Committee 3.00</td>
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<tr>
<td>Monday 17</td>
<td>Meeting of Human Subject Ethics Committee 1.00</td>
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<tr>
<td>Tuesday 18</td>
<td>Meeting of Academic Committee 9.00</td>
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<tr>
<td>Thursday 7</td>
<td>Meeting of Recreation Committee 3.30</td>
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<tr>
<td>Monday 11</td>
<td>Meeting of Education Committee 3.30</td>
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<td>Tuesday 12</td>
<td>Meeting of Childcare Committee 11.00</td>
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<td>Thursday 14</td>
<td>Meeting of Theatre Management Committee 3.00</td>
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<tr>
<td>Monday 18</td>
<td>Meeting of Academic Committee 9.00</td>
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<tr>
<td>Tuesday 19</td>
<td>Meeting of Research Committee 10.00</td>
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<tr>
<td>Wednesday 20</td>
<td>Meeting of Equal Employment Opportunities Advisory Committee 9.00</td>
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<tr>
<td>Thursday 21</td>
<td>Meeting of Public Relations and Cultural Activities Committee 3.30</td>
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### October 1995

<table>
<thead>
<tr>
<th>Date</th>
<th>Events</th>
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<tbody>
<tr>
<td>Sunday 1</td>
<td>Last day for deletions to courses for DipG&amp;O and DipObst for December examinations</td>
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<tr>
<td>Monday 2</td>
<td>Applications for entry to the course for BHB for 1996</td>
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<tr>
<td>Tuesday 3</td>
<td>Applications close for entry to the course for DipGeothermTech, DipEdPsych for 1996</td>
</tr>
<tr>
<td>Wednesday 4</td>
<td>Closing date for receipt by the Registrar of NZVCC scholarship applications</td>
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<tr>
<td>Friday 6</td>
<td>Lectures end</td>
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<tr>
<td>Monday 9</td>
<td>Meetings of Senate 9.30</td>
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<tr>
<td>Tuesday 10</td>
<td>Meetings of Student Services Committee 3.30</td>
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<tr>
<td>Wednesday 11</td>
<td>Meetings of Appointments Committee 8.30</td>
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<tr>
<td>Thursday 12</td>
<td>Meetings of the Press Committee 2.00</td>
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<tr>
<td>Friday 13</td>
<td>ACTE Lectures end</td>
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<tr>
<td>Sunday 15</td>
<td>Applications close for entry to MBA programmes (for the first time) for 1996</td>
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<tr>
<td>Monday 16</td>
<td>Applications close for entry to DipBus programmes (for the first time) for 1996</td>
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<tr>
<td>Tuesday 17</td>
<td>Meetings of Academic Committee 9.00</td>
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<td>Wednesday 18</td>
<td>Meetings of Council 4.00</td>
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<tr>
<td>Thursday 19</td>
<td>Meetings of Research Committee 10.00</td>
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<tr>
<td>Friday 20</td>
<td>Degree Examinations begin</td>
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<tr>
<td>Sunday 21</td>
<td>ACTE Examinations begin</td>
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<tr>
<td>Monday 23</td>
<td>Engineering Lectures end</td>
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<tr>
<td>Friday 27</td>
<td>Meeting of Senate 9.30</td>
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<td>Monday 30</td>
<td>Meeting of Appointments Committee 8.30</td>
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<tr>
<td>Tuesday 31</td>
<td>TERM III ENDS</td>
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<td>Applications close for entry to Education 14.460, 14.571, Environmental Science MSc, 64.401 (for the first time) for 1996</td>
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<td>Applications close for MPH, DipPH, DipELT, DipClinPsych</td>
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## November 1995

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<th>Day</th>
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<tbody>
<tr>
<td>Wednesday</td>
<td>Applications close for DipCouns, MEd (for the first time), 14.456, 14.511</td>
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<tr>
<td>Thursday</td>
<td>Meeting of Leigh Laboratory Management Committee 11.00</td>
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<td>Thursday</td>
<td>Meeting of Recreation Committee 3.30</td>
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<td>Monday</td>
<td>Meeting of Deans Committee 9.30</td>
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<td>Tuesday</td>
<td>Meeting of Childcare Committee 11.00</td>
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<td>Wednesday</td>
<td>Meeting of Human Subjects Ethics Committee 1.00</td>
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<td>Thursday</td>
<td>Meeting of Theatre Management Committee 3.00</td>
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<tr>
<td>Saturday</td>
<td>Degree Examinations end</td>
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<td>Monday</td>
<td>Meeting of Academic Committee 9.00</td>
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<td>Tuesday</td>
<td>Meeting of Education Committee 3.30</td>
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<td>Wednesday</td>
<td>Meeting of Research Committee 10.00</td>
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<td>Wednesday</td>
<td>Meeting of Equal Employment Opportunities Advisory Committee 9.00</td>
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<td>Meeting of Public Relations and Cultural Activities Committee 3.30</td>
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<td>Monday</td>
<td>Meeting of Council 4.00</td>
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<tr>
<td>Tuesday</td>
<td>Meeting of Student Union Management Committee 3.30</td>
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<td>Thursday</td>
<td>Meeting of Works Committee 3.00</td>
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<tr>
<td>Saturday</td>
<td>Graduate School of Business Session 3 ends</td>
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<tr>
<td>Monday</td>
<td>Graduate School of Business Examinations begin</td>
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<td>Tuesday</td>
<td>Meeting of Senate 9.30</td>
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<tr>
<td>Wednesday</td>
<td>Meeting of Student Services Committee 3.30</td>
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<tr>
<td>Wednesday</td>
<td>Meeting of Appointments Committee 8.30</td>
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<td>Wednesday</td>
<td>Meeting of Tamaki Academic Planning Committee 4.00</td>
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<tr>
<td>Wednesday</td>
<td>Applications close for First Law for LLB for 1996</td>
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<tr>
<td>Wednesday</td>
<td>Applications close for entry to DipBrC, Anthropology 03.340 for 1996</td>
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<tr>
<td>Thursday</td>
<td>Graduate School of Business Examinations end</td>
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<tr>
<td>Thursday</td>
<td>Applications close for private full fee-paying overseas students (postgraduate)</td>
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## December 1995

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<td>Monday</td>
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<td>Wednesday</td>
<td>Meeting of Press Committee 10.00</td>
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<tr>
<td>Sunday</td>
<td>Applications close for private full fees-paying overseas students (undergraduate)</td>
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<tr>
<td>Monday</td>
<td>Last day for deletions to final year course for MBChB</td>
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<tr>
<td>Tuesday</td>
<td>Meeting of Academic Council 9.00</td>
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<tr>
<td>Tuesday</td>
<td>Meeting of Council 4.00</td>
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<tr>
<td>Wednesday</td>
<td>Meeting of Research Committee 10.00</td>
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<tr>
<td>Wednesday</td>
<td>Last day for deletions to the course of first year MBChB</td>
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<tr>
<td>Friday</td>
<td>University closed for Christmas</td>
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<td>Monday</td>
<td>Christmas Day</td>
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<td>Tuesday</td>
<td>Boxing Day</td>
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UNIVERSITY PERSONNEL

OFFICERS OF THE UNIVERSITY

Chancellor HON. JUSTICE SIR IAN BARKER, BA LLB N.Z. (To 18-9-95)
Pro-Chancellor JENNIFER B. GIBBS, MA N.Z. (To 21-2-95)
Vice-Chancellor W. G. O. CARSON, BA Oxf., DipCrim Camb., LLD Edin.
Deputy Vice-Chancellor ROY M. SHARP, MA DPhil Oxf., FIPENZ, MI & AUST, CEng, MIM (Retires 31.1.96)
Registrar W. B. NICOLL, BCom

THE COUNCIL OF THE UNIVERSITY

Ex officio
Vice-Chancellor W. G. O. CARSON, BA Oxf., DipCrim Camb., LLD Edin.
Deputy Vice-Chancellor ROY M. SHARP, MA DPhil Oxf., FIPENZ, MI & AUST; CEng, MIM (Retires 31.1.96)

Appointed by the Minister of Education
EDWARD G. BOLLARD, CBE, BSc N.Z., PhD Camb., HonDSc, FRSNZ (Retires 31-12-94)
GAEWYN E. GRIFFITHS, MA AIEd Lond., ATCL (Retires 31-12-94)
W. H. K. PURIRI, LLB Retires 20-8-96
D. JOHN GRAHAM, MA (Retires 30-9-97)

Elected by Graduates
HON. JUSTICE SIR IAN BARKER, BA LLB N.Z. (Chancellor, Retires 18-7-95)
JENNIFER B. GIBBS, MA N.Z. (Retires 18-7-95)
ROBERT W. LACK, JP, BA, ACIS, ANZIM (Retires 18-10-97)

Appointed by Council
SIR JOHN INGRAM, CBE, BE N.Z., FIPENZ, FAIMM, MIMechE (Retires 31-12-96)
HAROLD M. TITTER, BCom (Retires 14-9-96)

President, Auckland University Students' Association

Ex officio
Appointed by Students’ Association
REBECCA MATTHEWS, BA (Retires 30-6-95)

Appointed by Academic Staff
RUTH H. BUTTERWORTH, MA DPhil Oxf. (Retires 31-3-97)

Appointed by General Staff
SUSAN CATHERSIDES, BA (Retires 31-3-95)

Appointed by Lecturers

Appointed by Professors
PHILIPPA M. BLACK, BSc N.Z., MSc, PhD, FMSAm, FRSNZ (Retires 31-3-97)

THE SENATE OF THE UNIVERSITY

Chairman: THE VICE-CHANCELLOR
ALL PROFESSORS (and their equivalents)
HEADS OF DEPARTMENTS AND ACTING HEADS OF DEPARTMENTS (subprofessorial)
DEANS (not being members of the professorial staff)
LIBRARIAN
LIAISON OFFICER
ASSOCIATE DEAN OF GRADUATE STUDIES, SCHOOL OF MEDICINE

ELECTED MEMBERS OF THE SUB-PROFESSORIAL STAFF (three from the Faculty of Arts; two from the Faculty of Science; one each from the Faculties of Architecture Property and Planning, Commerce, Education, Engineering, Fine Arts, Law, Medicine and Human Biology, Music, and from the Centre for Continuing Education, and five from the sub-professorial staff at large)

PRINCIPAL, AUCKLAND COLLEGE OF EDUCATION
PRESIDENT, AUCKLAND CONSORTIUM FOR THEOLOGICAL EDUCATION

Faculty of Architecture Property and Planning
B. TAGGART (Retires 31-1-97)

Faculty of Arts
Appointment Pending
A. J. SPALINGER (Retires 31-1-96) (on leave)
J. CROSTHWAITE (Retires 31-1-96)

Faculty of Commerce
Appointment Pending

Faculty of Education
Appointment Pending

Faculty of Engineering
P. J. RICHARDS (Retires 31-1-96)

Faculty of Fine Arts
C. HELLYAR (Retires 31-1-97)

Faculty of Law
E. J. KELSEY (Retires 31-1-97)
Faculty of Medicine and Human Biology
M. DRAGUNOW (Retires 31-1-96)

Faculty of Music
J. A. ELMSLY (Retires 31-1-97)

Faculty of Science
G. R. CLARK (Retires 31-1-96)
C. M. TRIGGS (Retires 31-1-97)

Centre for Continuing Education
Appointment Pending (Retires 31-1-97)

Sub-professorial Staff at Large
W. S. BLACK (Retires 31-1-96)
R. GEDDES (Retires 31-1-96)
P. B. GIBBONS (Retires 31-1-96)
M. GOLDSTONE (Retires 31-1-97)
M. WILSON (Retires 31-1-97)

President, Auckland University Students' Association
Five Student Members (nominated by Auckland University Students' Association)

DEANS

Faculty of Architecture Property and Planning
Dean
RICHARD M. AYNSLEY, BArch PhD N.S.W., MS(ArchEng) Penn., FRAIA, RIBA, MAIB, ANZIA, MNZIOB

Faculty of Arts
Dean
WARREN MORAN, MA N.Z. PhD, FRSNZ
Associate Deans
JAN CROSTHWAITIE, MA LaT., PhD Melb.
BARRY S. GUSTAFSON, MA N.Z., DipEd Massey, DipSovStud Glas., PhD
D. I. B. SMITH, MA N.Z., DPhil Ox

Sub-Deans
W. SEBASTIAN BLACK, BA Leeds
HELENA D. CATT, MA Edin., PhD Lond.
M. S. HARVEY, BA PhD Monash
DOUGLAS G. SUTTON, MA PhD Otago
IVANICA M. VODANOVICH, BA N.Z., PhD DipSocAnthrop Lond.

Faculty of Commerce
Dean
ALASTAIR MacCORMICK, MA PhD Yale, BSc MCom
Associate Dean (Tamaki Campus)
NIGEL. A. F. HAWORTH, BA BPhil PhD Liv.
Sub-Dean for Undergraduate Studies
SUSAN S. LAURENSON, BCom MA

Faculty of Education
Dean
JAMES D. MARSHALL, BA PhD Brist.

Faculty of Engineering
Dean
ROY M. SHARP, MA DPhil Ox., FIPENZ, MIEAust, CEng, MIM
Associate Dean
ERROL G. KELLY, BE PhD Otago, AOSM, CEng, MAIME, MIMM, FAusIMM
Associate Dean (Postgraduate Affairs)
IAN F. COLLINS, MA PhD Camb., FIMA

Faculty of Fine Arts
Dean
MICHAEL R. DUNN, MA Melb., DipFA Cant. & Auck., PhD

Faculty of Law
Dean
M. B. TAGGART, LLM Harv., LLB
Deputy Dean
JULIE K. MAXTON, LLB Lond., LLM Cant., PhD
Dean of Students
T. J. McBRIDE, LLB Well., LLM Dal.

Faculty of Medicine and Human Biology
Dean
P. D. GLUCKMAN, MBChB Otago, MMedSc DSc, FRSNZ, FRACP
Associate Deans
M. J. MERRILEES, BSc Otago, PhD Tor.
I. J. SIMPSON, MBChB Otago, MD, FRACP
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Dean
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Sub-Dean
BRYAN A. SAYER, BA, DipMus, LRSM, ARCM, LTCL.

Faculty of Science
Executive Dean
RALPH P. COONEY, PhD DSc Q’ld., FRSNZ, FRACI, FNZIC
Associate Dean (Undergraduate Affairs, Enrolment, and Deputy Dean)
PHILIPPA M. BLACK, BSc N.Z., Msc PhD, FMSAm, FRSNZ
Associate Dean (Postgraduate Affairs and Research)
GEOFFREY L. AUSTIN, BA Camb., MSc PhD Cant., FNZIP
Head of Division of Science and Technology (Tamaki)
CHRISTOPHER R. DE FREITAS, MA Tor., PhD Q’ld.
Sub-Dean (BTech Programmes)
PETER B. GIBBONS, Msc Massey, PhD Tor., MNZCS, FTICA
Sub-Dean (Māori in Science)
MICHAEL M. WALKER, MSc PhD Hawaii
Sub-Dean (Student Affairs and Timetabling)
DUNCAN J. McLENNAN, BSc NZ., MSc PhD Well., DSc, FNZIC

Joint Board of Studies in Theology
Honorary Dean
W. T. G. JAMES, BA Well., BD M.C.D., PhD Lond.

HONORARY GRADUATES
HER MAJESTY QUEEN ELIZABETH, THE QUEEN MOTHER LLD 1966
SIR DAVID STUART BEATTIE LLD 1983
EDWARD GEORGE BOLLARD DSc 1983
JUDGE MICHAEL JOHN ALBERT BROWN LLD 1992
ANASTASIOS CHRISTODOULOU LLD 1992
LUCY MAY CRANWELL DSc 1992
RICHARD HENRY LINDO FERGUSON LLD 1986
SIR RAYMOND WILLIAM FIRTH LitD 1978
DAVID FULTON FOWLDS DSc 1983
ARTHUR OSWALD MICHAEL GILMOUR LitD 1991
PAAKARIKI HARRISON MA 1979
OLIVE AVERIL JOHNSON DSc 1992
VAUGHAN FREDRICK RANALD JONES LLD 1992
DAME KIRI TE KANAWA MusD 1983
ERIC HALL McCORMICK LitD 1983
RICHARD DENNIS McELDOWNEY LitD 1986
SIR DONALD McINTYRE MusD 1992
JANETTA MARY McSTAY MusD 1992
MAURICE PAYKEL LLD 1992
WALTER SCHEEL, LLD 1978
WILLIAM KENDRICK SMITHYMAN LitD 1986
SIR GRAHAM DAVIES SPEIGHT LLD 1983
DAME CATHERINE TIZARD LLD 1992
DOROTHY GERTRUDE WINSTONE LLD 1983
LESLEI COLIN WOODS DSc 1983

PROFESSORES EMERITI
COLIN JAMES ALEXANDER, MBChB N.Z., MD Otago, HonFRCR, FRACR, HonFACR (Medicine) Retired 1986
JOHN ALEXANDER ASHER, QSO, Grosses Verdienstkreuz Germany, RNO Sweden, Ehrenkreuz I. Klasse Austria, Goethe Med Munich, MA N.Z., DrPhil Basle (German) Retired 1986
BRUCE GRANDISON BIGGS, OBE, MA N.Z., PhD Indiana., FRSNZ (Anthropology) Retired 1984
ARCHIBALD GORDON BOGLE, BE N.Z., DPhil Ox., CEng, FIEE, FIPENZ (Engineering) Retired 1978
GEOFFREY PETER BRAAE, MCom N.Z., DPhil Ox. (Economics) Retired 1987
DENNIS BROWN, DSc Brist., FlnsP, FRSNZ (Physics) Retired 1967
ALLAN JOHN LEWIS CATT, MCom N.Z. (Economics) Retired 1990
ROBERT MacDONALD CHAPMAN, CMG, MA N.Z., (Political Studies) Retired 1988
DAME MARIE MILDRED CLAY, DBE, MA, DipEd N.Z., PhD, FNZPsS, HonFNZFEI (Education) Retired 1990
DAVID SIMPSON COLE, CBE, BMsc MBChB N.Z., FRCS, FRACS (Medicine) Retired 1989
EDWIN RICHARD COLLINS, OBE, MSc N.Z., PhD Birm., FIP, FRSNZ (Physics) Retired 1982
KENNETH BRAILEY CUMBERLAND, CBE, MA Lond., DSc N.Z., FRSNZ (Geography) Retired 1978
JOHN CHARLES DOWER, AB MD Johns H., FRACP (Paediatrics) Retired 1987
PETER DAVID HENSMAN GODFREY, CBE, MA MusB Camb., HonFRSCM, FRCO, ARCM (Music) Retired 1983
ROGER CURTIS GREEN, BA BSc New Mexico, PhD Harv., FRSNZ, MANAS (Anthropology) Retired 1991
DAVID HALL, MSc PhD N.Z., DSc, FNZIC, FRSNZ (Chemistry) Retired 1984
BRIAN DUTTON HENSHALL, BSc PhD DSc *Brist.*, CEng, FRaeS, FNZIM (Management Studies) Retired 1987
PETER BARRIE HERDSON, BMedSc MBChB N.Z., PhD *Northwestern*, FRCPA (Medicine) Retired 1986
GEORGE WILLIAM HINDE, LLM N.Z., LL.D (Law) Retired 1987
KENNETH JAMES HOLLYMAN, MA N.Z., DU *Paris* (French) Retired 1987
ANTHONY B. HOOPER, MA N.Z., PhD *Harv.* (Anthropology) Retired 1992
DAVID JOHN HOOTON, MSc N.Z., PhD *Edin.*, FInstP, FNZIIP, CPhys (Physics), Retired 1987
HENRY KAYE IBBERTSON, MBChB N.Z., FRCP, FRACP (Medicine) Retired 1991
SIR HUGH KAWHARU, Kt, BSc N.Z., MA *Camb.*, MLitt DPhil *Oxf.* (Maori Studies) Retired 1993
G. S. M. KELAWAY, MDCCh N.Z., FRCGP, FRCPEd, FRACP (Pharmacology) Retired 1993
ROBERT TERENCE KENNEDY, CBE, FRIBA, MTPI, ANZIA, MNZPI (Town Planning) Retired 1968
ALICK CHARLES KJIBBLEWHITE, MSc N.Z., DIC PhD *Lond.*, FInstP(Lond), FNZIIP, CPhys (Physics) Retired 1989
WALTER KIRKPATRICK LACEY, MA *Camb.* (Classics and Ancient History) Retired 1987
SIR GRAHAM COLLINGWOOD LIGGINS, CBE, KB, MBChB, FRCS *Edin.*, FRACS, FRCOG, FRNZCOG, FRS, FRNSNZ (Medicine) Retired 1987
ARNOLD ROBERT LILLIE, MA *Camb.*, DesSc *Geneva*, FRNSNZ (Geology) Retired 1975
RICHARD ELLIS FORD MATTHEWS, ONZ, MSc N.Z., PhD ScD *Camb.*, FRCS, FNZIC, FRSNZ (Cell Biology) Retired 1987
ANTHONY HENRY MCNAUGHTON, MA Calif. & N.Z., PhD Calif., DipEd N.Z., (Education) Retired 1989
JOHN EDWARD MORTON, QSO, MSc N.Z., PhD DSc *Lond.*, FRNSNZ, HonFILS (Zoology) Retired 1989
CHARLES NALDEN, CBE, BMus *Durh.*, Mus LPhil, (Music) Retired 1974
FRANCIS JOHN NEWHOOK, OBE, MSc N.Z., DIC PhD DSc *Lond.*, FRSA (Botany) Retired 1984
JOHN DEREK KINGSLEY NORTH, CBE, MBChB N.Z., DPhil *Oxf.*, FRCP, FRACP (Medicine) Retired 1991
ALLAN LLOYD ODELL, MSc N.Z., PhD *Lond.*, DSc, Hon.FNZIC (Chemistry) Retired 1985
DAVID MURRAY PATON, MBChB Cape T., MD DSc Witw., FRCPCan, FRACP, CBiol, FIBiol (Pharmacology) Retired 1988
ARVEED JAAN RAUDKIVI, DipIng (Civil) Tallinn & T.H. *Braunschweig*, DRIngEh *Braunschweig*, PhD, CEng, FICE, FIPENZ (Engineering) Retired 1986
HUBERT SAMPSON, MA Br. Col., PhD McG., FNZIIPsS (Psychology) Retired 1984
FORREST SMYTH SCOTT, MA MLitt *Camb.* (English) Retired 1985
ERNST JOHNSTONE SEARLE, QSM, MSc N.Z., DSc (Geology) Retired 1972
CECIL MARIN SEGEDIN, MSc N.Z., PhD *Camb.*, C.Math, FIMA, FIPENZ (Engineering) Retired 1981
K. KRISTER SEGERBERG, BA Col., Fil Dok *Uppsala*, PhD Stan. (Philosophy) Retired 1992
JOHN DESMOND SINCLAIR, MD BMedSc, FRACP (Physiology) Retired 1993
CHRISTIAN KARLSON STEAD, CBE, MA N.Z., PhD *Brist.*, LittD (English) Retired 1986
RUSSELL CYRIL JAMES STONE, MA N.Z., PhD (History) Retired 1989
JAMES BRUCE TABB, BCom N.Z., PhD Sheff, MCom, FCA, (Accounting and Finance) Retired 1990
PETER WHITAKER TAYLOR, BSc BE N.Z., PhD, CEng, FICE, FIPENZ, FASCE (Engineering) Retired 1986
RICHARD HORTON TOY, OBE, BArch N.Z., PhD Dub., RIBA (Architecture) Retired 1977
THOMAS NEIL MORRIS WATERS, MSc PhD N.Z., DSc, FNZIC, FANZAS (Chemistry) Retired 1983
PHILIP RICHARD HYLTON WEBB, MA LLB *Camb.*, LL.D (Law) Retired 1987
JOHN SCOTT WERRY, BMedSc, MBChB N.Z., MD *Otago*, DipPsych McG., FRCPCan, FRANZCP (Psychiatry and Behavioural Science) Retired 1991
HENRY ARTHUR WHALE, MSc N.Z., PhD *Camb.*, FIP, Sen.Mem.IEEE (Engineering) Retired 1983
ALLAN A. WILD, BArch N.Z., RIBA, FNZIA, FRSA (Architecture) Retired 1993
RALPH WINTERBOURNE, MA DipEd N.Z., PhD *Lond.*, FBPS (Education) Retired 1975
JACK LIONEL WOODWARD, BE N.Z. MA *Sc Tor.*, CEng, FIEE, FIEAust, FIPENZ (Electrical and Electronic Engineering) Retired 1991

UNIVERSITY STAFF (ACADEMIC)

Dates given are dates of taking up full-time employment. Where Degrees and Diplomas are shown without the name of the awarding university, the university is Auckland. List prepared 30-9-94.

Denotes a *part-time permanent appointment*.

FACULTY OF ARCHITECTURE PROPERTY AND PLANNING

Dean
1989 RICHARD M. AYNESLEY, BArch PhD N.S.W., MS(ArchEng) Penn., FRAIA, RIBA, MAIB, ANZIA, MNZIOB

ARCHITECTURE

Professor, Head of Department
1993 ERROL J. HAARHOFF, BArch PhD Natal, MSc H.-W., DipUD RIBA, ISAA, RIBA

Professors
1961-66, 1973 A. HAROLD MARSHALL, BArch BSc N.Z., PhD *S'ton.*, FNZIA, FRAIA, FASA
1979 JOHN G. HUNT, BArch N.Z., PhD, ANZIA

Senior Lecturers
1967 M. R. AUSTIN, BArch N.Z., PhD, FNZIA
1993 M. BARNES, March
1979 C. A. BIRD, MA C.N.A.A. DipUD Oxf. Pol, BArch
1970 JOHN D. DICKSON, BArch
1974 G. DODD, BSc R'dg., MSc (Eng) PhD Dip Aud S'ton.
1973 R. J. W. GRANWAL, ME, MEPNZ
1981 G. R. JENNEN, BA Otago, BArch
1993 DAVID M. LEIFER, BSc BArch Wales, PhD Aberd., ARIAS, IEng, ACIBSE
1979 M. P. T. LINZEY, BE Cant., PhD Melb., ME, MIE Aust
1991 J. LONG, BArch MPhil, ANZIA, ANZIM
1979 K. J. MORROW, DipArch Melb., FRMIT
1985 GRAEME L. ROBERTSON, BArch, FNZIA, FNZIOB, FRSA
1990 P. L. SHEPHERD, BArch, DipTP, ANZIA
1988 N. STANISH, BArch, ANZIA
1993 BRIAN P. TAGGART, DipArch Liv., FCSD, RIBA
1991 G. M. TONKS, BArch PhD, ANZIA
1981 SARAH TREADWELL, BArch
1982 A. WARD, DipArch Birm., RIBA
1979 H. B. WILLEY, MA PhD Camb., BArch MSc, MIES (Aust. & N.Z.)

Lecturers
1994 DIANE J. BRAND BArch, MAUD Harv., ANZIA, AACA
1994 KEITH E. GREEN, BA Penn., MArch Chic.
1994 PATRICK J. HANLY
1994 SRDJA HRSAFOVIC BA Sarajevo, DipArch Royal Danish Academy, MBS S. Calif.
1993 M. B. KENZARI, MArch Tunisia, PhD Atlanta
1992 P. M. MILOJEVIC, BArch Tor., MArch, Ill.
1993 J. S. F. NICHOLLS, BEng Cant., MICE, MEPNZ
1993 KOUNG NYUNT, BArch Rangoon, ME DEng Kyoto
1991 C. POND-EYLEY, DipFA
1991 R. L. SCOFIELD, MArch, ANZIA, ANZIM

PROPERTY
Professor, Head of Department
AppointmentPending
Senior Lecturers
1979-1987, 1989 ROBIN A BELL, DipSurv Lond., MPA, DipUrbVal, FPMI, FRICS, ANZIV, AREINZ, CSurv
1993 IVAN M. JOHNSTONE, BSc Otago, BArch PhD
1993 EDWARD J. SCHUCK, BSc RPI, MSc Lond.

Lecturers
1986 DEBORAH S. LEVY, BLE Aberd., MPA, ARICS, MPMI

PLANNING
Professor, Head of Department
1993 THOMAS W. FOOKES, MA Cant., DPhil Waik., DipTP, MNZPI

Professor
1984 ROBERT B. RIDDELL, MA Cant., PhD N'cle. (U.K.), DipTP N.Z., ARICS, MNZPI, MNZIS

Senior Lecturers
1994 R. J. MICHAEL GUNDER, MA Br. Col., MCIP
1965 MICHAEL H. PRITCHARD, BSc Wales, DipTP, MNZPI
1974 M. A. TAYLOR, MA N.Z., PhD Lond., MNZPI

1986 L. ANTHONY WATKINS, BArch N.Z., MArch DipTP, FNZIA, RIBA

Lecturers
1987 P. M. AUSTIN, BSc Sus., BPhil N'cle. (U.K.)
1989 J. D. LUNDAY, BA Glas., MRTP

FACULTY OF ARTS
Dean
1968 WARREN MORAN, MA N.Z., PhD

ANTHROPOLOGY
Professor of Archaeology/Prehistory, Head of Department
1975 GEOFFREY J. IRWIN, PhD A.N.U., MA

Professor of Social Anthropology
1994 MARK S. MOSKO, BA Calif., MA PhD Minn.

Professor of Social Anthropology and Maori Studies
1973 M. ANNE SALMOND, CBE, PhD Penn., MA, FRSNZ (jointly with Maori Studies)
Emeritus Professor of Prehistory
1961-66, 1973 ROGER C. GREEN, BA BSc New Mexico, PhD Harv., FRNSNZ, MANAS
Associate Professor in Prehistory
1992 DOUGLAS G. SUTTON, MA PhD Otago
Associate Professor in Social Anthropology
1973 JUDITH W. HUNTSMAN, AB PhD Bryn Mawr, MA Brown
Senior Lecturer in Ethnomusicology
1989 RICHARD M. MOYLE, JP, MA PhD, LTCL

Senior Lecturers in Linguistics
1980 F. LICHTENBERK, MA Tor., PhD Hawaii (on leave)

Senior Lecturer in Prehistory
1973 HARRY R. ALLEN, BA Syd., PhD A.N.U.

Senior Lecturers in Social Anthropology
1972 M. R. RIMOLDI, BA DipAnth Syd., PhD A.N.U. (on leave)
1972 STEVEN S. WEBSTER, BA Mina., PhD Wash.

Lecturers in Archaeology
1993 THEGN N. LADEFOGED, MA PhD Hawaii
1991 PETER J. SHEPPARD, BA Wat., MA PhD Tor.

Appointment Pending

Lecturers in Biological Anthropology
1991 JOHN S. ALLEN, MA PhD Berkeley
1992 ALEXANDRA A. BREWIS, PhD Arizona, MA

Lecturer in Ethnomusicology
1993 GREGORY D. BOOTH, BMusEd Temple, MMus PhD Kent State

Lecturer in Linguistics
1991 FAY WOUK, MA Mich., CPhil PhD UCLA

Lecturers in Social Anthropology
1993 KAREN L. NERO, BA Wash., MA PhD Berkeley
1993 JULIET K. PARK, MA PhD Otago

Appointment Pending

ART HISTORY
Head of Department
1973 LEONARD B. BELL, DipArtHist Edin., BA PhD

Professor

Senior Lecturers
1974 I. B. BUCHANAN, BA Manc., MA Essex (on leave)
1988 ANGELA TE AWEKOTUKU, DPhil Waik., MA
1971 ALAN J. WRIGHT, MA Edin.

Lecturers

1993 BRETT D. GRAHAM, MFA Hawaii, BFA
1995 HUGH MAGUIRE, PhD Lond., BA Dub.
1992 FRANCIS N. POUND, MFA PhD
1977 ROBIN L. WOODWARD, PhD Edin., MA

Senior Tutor
1985 DONALD J. D. BASSETT, PhD Edin., MA

ASIAN LANGUAGES AND LITERATURES
Professor of Chinese, Head of Department
1993 PAUL CLARK, AM PhD Harv., MA

Professor of Japanese
1995 THOMAS LEIMS, MA Waseda, PhD Bonn

Senior Lecturers in Chinese
1984 MANYING IP (Mrs), BA H.K., MA PhD
1988 BINGJUN PANG, BA Nankai

Senior Lecturer in Indonesian
1974 ERIC O. van REIJN, Drs Ley

Senior Lecturers in Japanese
1973 TOSHIO AKIMA, MA Waseda & Hosei
1970 SETSUKO ITO, MA Doshisha, MPhil PhD Lond.
1972 TETSUO TAKAGAKI, BA Wakayama, MA San Francisco State

Lecturers in Chinese
1993 ROBERT M. SANDERS, BA Conn. College, MA Hawaii, PhD Berkeley

Appointment Pending

Lecturers in Indonesian
1994 TIMOTHY E. BEHREND, BA Brigham Young, MA Wis., PhD A.N.U.
1994 ULI KOZOK, MA Hamburg

Lecturers in Japanese
1988 ATSUKO KIKUCHI, BA Sophia, MA Hawaii, PhD
1987 WAYNE P. LAWRENCE, MA Tokyo U.F.S., PhD Tsukuba

Appointment Pending

Lecturer in Korean
1989 INSHIL YOON (Mrs), MA Seoul
General Information

Senior Tutor in Chinese
1994 NORA YAO XU, BA Shanghai, MA
Tutor in Japanese
Appointment Pending
Honorary Fellow
1967 MARGARET T. S. SOUTH, BA Syd., PhD A.N.U.

Tamaki Campus

Lecturers in Japanese
1993 TOMOKO SHIMODA, BA Jissen, MA Syd.
1993 BRIAN A. VICTORIA, BA Nebraska, MA Komazawa
Tutor in Japanese
1994 ATSUKO TSUKAMOTO, BA International Christian, MA Ohio State

CLASSICS AND ANCIENT HISTORY

Professor, Head of Department
1974 VIVIENNE J. GRAY, PhD Camb., MA
Senior Lecturers
1963 W. F. RICHARDSON, BD Otago, MA N.Z. & Comb., PhD
1981 A. J. SPALINGER, BA C.U.N.Y., MPhil PhD Yale
Lecturers
1990 D. J. BLYTH, BA Otago, PhD Northwestern, MA
1991 P. R. McKECHNIE, MA Camb., DPhil. Ox.
1993 T. R. STEVENSON, BSc BA PhD Syd.
1987 M. J. WILSON, BA LLB Tas., MA Tor., PhD Monash

EDUCATION

Professor, Head of Department
1989 I. ROGER DALE, BA Leeds, PhD Brist., PGCE Lond.
Professor
1973 JAMES D. MARSHALL, BA PhD Brist.
Associate Professors
1976 STUART S. McNAUGHTON, MA PhD
1990 TOM NICHOLSON, MA Syd., PhD Minn.
1976 VIVIANE M. J. ROBINSON, PhD Harv., MA
1980 KERI M. WILTON, PhD Alta., MA
Senior Lecturers
1971 JOHANNES F. EVERTS, MA DipClinPsych Cant., PhD EdPsych
1987 ALISON JONES, BSc Massey, MPhil PhD
1968 BARTON A. MacARTHUR, MA PhD
1985 DENNIS W. MOORE, PhD P. & N.G., MA DipEdPsych
1993 MICHAEL A. PETERS, BA Well., MA PhD
1982 BRYAN F. TUCK, PhD Cant., MA
Senior Lecturer in Child Studies
Senior Lecturers in Bicultural Education
1988 GRAHAM H. SMITH, MA
1988 LINDA T. SMITH, MA
Lecturers
1991 VIVIENNE A. ADAIR, MA PhD
1990 MARGARET N. AGEE, MA, DipGuid
1993 STEPHEN W. D. APPEL, BA HDE Rhodes, MEd Witw., PhD Roch.
1994 LYDIA B. AUSTIN, BSc Wat., MSc PhD McG.
1994 NICOLE BISHOP, BA Well., PG Dip Otago, PhD Massey
1991 ANDREA M. BOYD, MA
1991 EVE I. COXON, MA
1993 ROBYN S. DIXON, MA
1993 LITA FOLIARI, MA
1992 MARGIE K. HOHEPA, MA
1979 KATHRYN C. IRWIN, BA Minn., MEd Harv.
1991 KUNI E. H. JENKINS, MA
1993 KAY MORRIS MATTHEWS, MEd DPhil Waik.
1991 JUDITH M. PARR, BSc PhD A.N.U., MA
1991 JUDITH A. SIMON, MA PhD
1994 AMARJIT SINGH, BSc DipEd Sing., MA U. C. Berkeley, MSc Cant., DPhil Waik.
1991 JULIA WESTERA, BA Tas., DipEd Q 'ld., MA DipEdPsych
ENGLISH

Professor, Head of Department
1988 ALBERT WENDT, MA Wellington.

Professors
1964 M. P. JACKSON, BLitt Oxf., MA N.Z.
1980 T. L. STURM, CBE, PhD Leeds, MA

Associate Professors
1980 BRIAN D. BOYD, MA Cant., PhD Tor.
1970 W. T. L. CURNOW, BA N.Z., PhD Penn., MA
1966 R. J. HORROCKS, BA N.Z., MA PhD
1967 M. A. F. NEILL, MA Otago, PhD Camb.

Senior Lecturers
1966 W. SEBASTIAN BLACK, BA Leeds
1972 STEPHANIE J. HOLLIS, BA Adel., PhD A.N.U. (on leave)
1973 K. J. LARSEN, PhD., Rome, MA PhD Camb. (on leave)
1973 R. H. LEEK, MA PhD
1968 AREWA P. McLEOD, MA Well., BPhil Oxf., BA
1977 R. H. NICHOLSON, MA Well.
1979 D. G. WRIGHT, MA Cant., PhD Tor. (on leave Terms II and III)

Senior Lecturer in English Language Teaching
1991 MARIYLN LEWIS, Licence ès Lettres Besançon, MA

Lecturer in Drama
1991 MURRAY EDMOND, BA

Lecturers
1985 W. SCOTT ALLAN, MA PhD Edin. (on leave Terms II and III)
1988 A. J. CALDER, MA PhD (on leave)
1993 ANNE V. GOLDSOHN, BSc Otago, DipJournalism Cant.
1986 ROBIN E. HOOVER, MA PhD
1993 WITI IHIMAERA

1993 HARRY LEDER, BA C.U.N.Y., PhD M.I.T.
1990 BRIDGET E. ORR, BA Well., MA PhD C'nell (on leave)
1991 LAURENCE E. SIMMONS, MA
1991 SOPHIE E. TOMLINSON, BA Well.
1987 JOANNE C. WILKES, BA Syd., DPhil Oxf.
1981 M. J. WRIGHT, MA Oxf., PhD N.E.
1993 STUART B. YOUNG, MA Well., PhD Camb.

Senior Tutors
1971 RIEMKE ENSING, MA
1971 MARGARET A. EDCUMBE, MA
1987 JACQUELINE R. GREENWOOD, MA
1991 CLAUDIA MARQUIS, BA Ley., MA McM.
1991 ELIZABETH WILSON, MA

Honorary Research Fellows
1987 W. H. PEARSON, MA N.Z., PhD Lond.

Tamaki Campus

Associate Professor
1992 PETER SIMPSON, MA Cant., PhD Tor.

Lecturer
1992 DONNA STARKS, BA MPhil Nfld., PhD Manit.

Tutor
1993 ROSE LOVELL-SMITH, MA Penn. & Cant. MPhil Oxf., PhD Well.

GERMANIC LANGUAGES AND LITERATURE

Head of Department
Appointment Pending

Professor of German
1966-72, 1986 ALAN KIRKNESS, BA N.Z., DPhil Oxf., MA

Associate Professor of German
1966 KATHRYN SMITS, MA N.Z., DrPhil Freib.

Senior Lecturers in German
1976 JAMES J. D. N. BADE, MA Well., DrPhil Zür.
1969 MARTIN J. SUTTON, MA PhD
1978 FRIEDRICH VOIT, DrPhil Saar

Lecturer in Dutch
1992 CORNELIS H. SNOEK, PhD Ley

Lecturer in Scandinavian Studies
1994 IVO L. E. K. HOLMQVIST, Fil. kand., Fil. mag. Lund
Senior Tutors in German
1979 UTA HAGEN (Mrs), MA Freib.
1993 GERTRAUT STOFFEL (Mrs), MA
Tutor in Scandinavian Studies
Appointment Pending

HISTORY
Professor, Head of Department
1965 P. N. TARLING, MA PhD LittD Camb., FRAS, FRHistS
Professor
Associate Professors
1966 JUDITH M. C. BINNEY, BA N.Z., MA
1972 RAEWYN DALZIEL, BA PhD Well. (on leave)
1971 VALERIE I. J. FLINT, MA DPhil Oxf., FRHistS
1967 MICHAEL A. R. GRAVES, MA Camb., PhD Otago
1970 H. M. LARACY, SIM, MA Well., PhD A.N.U.
1982 B. G. REAY, BA Adel., DPhil Oxf.
1972 P. H. ROUSSEAU, MA DPhil Oxf., FRHistS
Senior Lecturers
1994 MATTHEW ALLEN, BA PhD Syd.
1974 JUDITH O. BASSETT, QSO, LLB MA
1965 MARGARET H. LAMB, BA PhD Lond.
1976 RICHARD T. PHILLIPS, MA PhD Camb.
Lecturers
1994 GREG BANKOFF, BA Portsmouth, DipEd PhD Murd.
1988 LINDA BRYDER, DPhil Oxf., MA
1992 MALCOLM CAMPBELL, BA PhD N.S.W.
1993 CAROLINE DALEY, BA PhD Well.
1994 DEBORAH MONTGOMERIE, PhD Duke, MA
1991 T. ROHKRAMER, MA PhD Freib.
1990 H. VAN DYK, MA JD Wis.
Tamaki Campus
Associate Professor
1993 RUTH BARTON, MSc Well., PhD Penn.
Lecturer
1993 MATTHEW O'MEAGHER, BA Otago, MA PhD Duke

LABOUR STUDIES, Centre For
Director
1990 MARYAN STREET, BA Well., MPhil DipTchg (jointly with Department of Management Studies and Labour Relations)

MAORI STUDIES
Professor, Head of Department
1970 R. J. I. WALKER, MA PhD
Professor of Social Anthropology and Maori Studies
1973 M. ANNE SALMOND, CBE, PhD Penn., MA, FRSNZ (jointly with Anthropology)
Professor
1965 P. W. HOHEPA, MA N.Z., PhD Indiana
Associate Professor
Appointment Pending
Senior Lecturers
1993 SELWYN MURU (jointly with Fine Arts)
1988 MARGARET S. MUTU, BSc MPhil PhD
Lecturers
1993 JANE McRAE, MA PhD
1988 VIOLET B. NORMAN, MA
1994 MAUREEN LANDER, BA MFA
Tamaki Campus
Senior Lecturer
1994 HEMI TOIA, BCA Well.
Lecturer
Appointment Pending

PACIFIC STUDIES, Centre For
Associate Professor, Director
1993 MALAMA MELEISEA, BA P.&N.G., PhD Macq.
Liaison Officer
1989 T. AARON MARSTERS, MA
Lecturer, Samoan Language
1991 MALIA WILLIAMS, MA

PHILOSOPHY
Professor, Head of Department
1981 JOHN C. BISHOP, BA A.N.U., PhD Camb.
Associate Professor
Senior Lecturers
1989 JAN CROSTHWAITE, MA LaT., PhD Melb.
1994 RODERIC A. GIRLE, MA Dip.Div. Q'ld, PhD St. And.
1985 DENIS J. ROBINSON, BA Melb., BPhil Oxf., PhD Monash
1983 STANISLAW J. SURMA, PhD DSc Cracow
1978 CHRISTINE H. M. SWANTON, DPhil Oxf., MA
1971 JULIAN P. YOUNG, MA Camb. & Wayne State, PhD Pitt.

Lecturers
1993 STEPHEN T. DARE, PhD Alta., BA LLB MJur
1994 CHRISTOPHER J. MARTIN, MA Sus.
1995 ROBERT WICKS, BA Mich. State, MA PhD Wis.

Tamaki Campus
Associate Professor
1969 ROBERT NOLA, BSc N.Z., PhD A.N.U., MA MSc, MRNZS

POLITICAL STUDIES
Professor, Head of Department
Associate Professors
1967 GRAHAM W. A. BUSH, MA N.Z., PhD Brist., DipEd
1965 RUTH H. BUTTERWORTH, MA PhD Oxf.
1972 J. STEPHEN HOADLEY, BSc Purdue, MA Calif. State, PhD Calif.
Senior Lecturers
1969 E. PETER AIMER, MA N.Z., PhD A.N.U.
1970 JOHN D. PRINCE, MA Case Western Reserve & Auck., PhD
Lecturers
1979 JOSEPH B. ATKINSON, MA Cant., MPhil Yale
1994 ROUBEN M. AZIZIAN, MA Moscow Institute of International Relations, PhD Diplomatic Academy Moscow
1990 HELENA D. CATT, MA Edin., PhD Lond.
1984 RAYMOND K. MILLER, BA McM., MA PhD, DipEd
1993 M. C. B. RIAN VOET, MA Amst.
1993 T. MARTIN WILKINSON, BA DPhil Oxf.
Two Appointments Pending

Tamaki Campus
Professor
1968 BARRY S. GUSTAFSON, BA N.Z., DipEd Massey, DipSovStud Glas., PhD
Lecturer
1993 YONGJIN ZHANG, BA Anhui, MA Amoy, DPhil Oxf.

ROMANCE LANGUAGES
Head of Department
1972 G. Y. EKAMBI, Dipd'EtSup Bresançon, MA
Professor of French
1994 RAYLENE RAMSAY, MA Otago, DipLing Camb., DU Poitiers
Prince of Asturias Professor of Spanish
1986 M. S. HARVEY, PhD Monash
Associate Professor of French
1969 J. C. CORNE, MA PhD
Associate Professor of Italian
1990 BRUNO G. R. FERRARO, BA Syd., PhD Flin., DipScStLettIt Urbino
Senior Lecturers in French
1970 M. D. JAMIESON (Mrs), LesL Dipd'EtSup Lille
1970 B. D. MCKAY, DU Paris, MA
Senior Lecturers in Italian
1971 RICHARD B. BACKHOUSE, DipCorso sup Perugia, MA
Senior Lecturers in Spanish
Lecturer in French
1992 R. ARNOUX, DU Paris, MA DipHons
Lecturers in Italian
1994 BERNADETTE LUCIANO, MA Stan., PhD Col.
1993 FRANCO C. A. MANAI, Laurea Pisa, PhD Browns
1980 LAURENCE E. SIMMONS, MA

Lecturer in Spanish
1987 CHRISTINE R. ARKINSTALL, MA Oviedo, BA PhD

Senior Tutor in Spanish
1978 FIONA M. TALER, MA
Tutor in French
1995 VÉRONIQUE V. BÉGUIN, LèsL (FFL) Bordeaux, MésL Lille
Tutor in Italian
1993 GABRIELLA BRUSSINO, MA
Honorary Research Fellow
1987 K. J. HOLLYMAN, MA N.Z., DU Paris

Tamaki Campus
Lecturer in Spanish
1992 KATHRYN LEHMAN, BA Ill. State, PhD Pitt.
Tutor in Spanish
1994 WENDY-LLYN ZAZA (Mrs), MA

RUSSIAN
Senior Lecturer (in charge)
1975 IAN K. LILLY, MA Cant. & Monash, PhD Wash.
Associate Professor
1970-72, 1975 HANS-PETER STOFFEL, DrPhil Zür.
Lecturer
Senior Tutor
1981 HANNAH BRODSKY-PEVZNER, DipPhil Latvian State

SOCILOGY
Associate Professor, Head of Department
1973 CLUNY MACPHERSON, MA DPhil Waik.
Professor
1982 IAN R. CARTER, BSc Bath, MA Essex, PhD Aberd., FRS
Appointment Pending
Associate Professor
1988 BARRY SMART, BSc Lond., PhD Sheff.
Senior Lecturers
1972 DAVID R. BEDGGOOD, MA Cant., DPhil Waik.
1982 CHARLES H. G. CROOTHERS, BA Waik. & Well., PhD Well.
1977 NICK H. PERRY, BA Strath., BSc(Soc) Lond.
1980-82, 1984 LANE CATHERINE WEST-NEWMAN, MA Lond. & Auck., PhD
Lecturers
1993 RAVI A. PALAT, BA Madr., MA MPhil J. Nehru, PhD N.Y.State
1993 GEORGE C. PAVLICH, BA Witw., MA S. Fraser, PhD Br. Col.
Honorary Research Fellow
1992 KIT MALALGODA, BA Ceyl., DPhil Oxf.

WOMEN'S STUDIES
Senior Lecturers
1993 MAUREEN A. MOLLOY, BEd MA Br.Col., PhD (on leave)
1992 NGAHUIA TE AWEKOTUKU, DPhil Waik., MA
Lecturer
1995 PHYLLIS HERDA, PhD A.N.U., MA
1994 ELUNED SUMMERS-BREMNER, MA Otago

FACULTY OF COMMERCE
Dean
1969 ALASTAIR MacCORMICK, MA PhD Yale, BSc MCom

GRADUATE SCHOOL OF BUSINESS
Associate Dean for Executive Programmes
1991 MARIE G. WILSON MS Flor., MS JD PhD Arizona
Director, Diploma in Business Programme
1989 MICHAEL C. GROVES, MA Otago
Association Director, Diploma in Business Programme
1971 MARTIN A. PERKINSON, MCom, ACA

Director, Executive Short Course Programme
1992 ANNE M. STEWART, MBA MSc PhD

Director, MBA Programmes
1990 REGENA MITCHELL, BS New H., MSc Hartford, PhD Claremont

Senior Lecturer
1987 KERRIN VAUTIER, CMG, BA Well.

ACCOUNTING & FINANCE

Head of Department
Appointment Pending

Professors
1968-71, 1975 D. M. EMANUEL, MCom PhD, FCA(NZ)
1989 BARRY H. SPICER, BCom Q’ld., PhD Wash.
1981-1988, 1992 JILNAUGHT WONG, MCom PhD, ACA

Professor of Finance
1987 R. G. BOWMAN, BA Pomona, MS San Diego State, PhD Stan., CPA Calif.

Professor of Banking and Insurance
1988 C. F. ANSLEY, BSc Cant., MSc Well., PhD Mich., FIA, ASA

Associate Professor
1978 MARTIN S. PUTTERILL, MBA PhD Cape T., ACA, FCMA

Senior Lecturers
1992 J. B. CHAY, MBA Seoul, PhD SUNY Buffalo
1987 C. CLIFFE (Miss), BA MCom Cant., ACA
1994 V. ELESWARAPU, BCom Madr., MS Utah, PhD Iowa
1992 C. J. GUILDING, BA MBA C’dia, PhD Brad., ACMA
1984 MICHAEL G. KEENAN, PhD St.And., BCom MA, DipVal
1988 WILLIAM A. A. MAGUIRE, BCom Natal, MBL S.A., PhD Cape T., CA S.A.
1986 SONJA NEWBY (Mrs), MCom, ACA, ACIS
1971 MARTIN A. PERKINSON, MCom, ACA
1987 A. P. B. ROUSE, MCom, ACA
1985 ALAN M. TEIXEIRA, MCom, ACA

Lecturers
1993 K.C. CHEUNG, BA Roch., MSc Wash.
1989 ANNE R. DAVY, MCom, ACA, ACIS
1990 H. J. FLAVALL, BCom PhD
1991 A. D. E. MARSDEN, MCom, ACA
1984 G. J. MOYLE, ED, LLB MCom, ACA, ACIS, CMA, MRFIP
1991 FARSHID NAVISSI, MAcc Oklahoma
1992 A. NEALE, MCom Cant., ACA
1984 DEREK M. SPEER, MCom, ACA

Senior Tutors
1979 KATHRYN G. CAIRD, BSc Otago, BCom
1991 LEIGH HOUGHTON, BA BCom, ACA, CMA, ACIS
1993 SANDRA MOULDER, BCom, ACA
1986 ROSEMARY F. SPENCE, BA Cant., BBS Massey, ACA, ANZIM

Tutors
1994 C. L. AKROYD, BBus N.E., MCom N.S.W., ASA
1992 N. WONG, MCom

Tamaki Campus

Professor of Financial Management
1982 MICHAEL E. BRADBURY, BCom N.Z., MCom PhD, ACA, CMA

Senior Lecturer
1989 LLOYD M. M. AUSTIN, MCom, ACA
1993 HENK BERKMAN, M econ PhD Rotterdam
1992 DESMOND J. A. HEATH, BSc Rhodesia, MBA Pret., HonsBCompt S.A., CA(SA), ACMA

Lecturer
1986 BRUCE K. BENNETT, MCom, ACA, ACIS

Senior Tutors
1991 DEAN PREBBLE, MCom
1991 LILIAN J. P. VIITAKANGAS, BBS Massey, MSc, MNZIC

Tutors
1993 CHRISTOPHER JARDINE, MCom, GradCSA

COMMERCIAL LAW

Associate Professor, Head of Department
1975 GARTH A. HARRIS, LLB MJur

Professors
1971 IAN G. EAGLES, BA LLB Q’ld., PhD Camb., LLM
Senior Lecturers
1984 WAYNE D. MAPP, LLM Tor., PhD Camb., LLB
1985 MICHAEL J. ROSS, BCom LLB

Lecturers
1991 MICHAEL GEDYE, BCom LLB
1989 ROSS B. GRANTHAM, BCL Oxf., LLM
1985 M. LOUISE LONGDIN (Ms), BA LLB MJur
1993 OWEN J. MORGAN, BA BEdStud Q'td., LLB MJur, DipTchg
1990 CHRISTOPHER C. NICOLL, LLB
1991 SUSAN M. WATSON, LLB MJur

Senior Tutors
1992 DELIA BROWNE, LLB
1992 MADELEINE McFADDEN, LLB
1992 R. MARNIE PRASAD, LLB
1990 BARBARA RAINSFORD (Ms), BA LLB

Tamaki Campus
Lecturer
1991 GEHAN GUNASEKARA, BA LLB Well., LLM
1993 GEOFFREY K. HANLON, LLB Cant., MPhil

Senior Tutor
1991 JAYNE FRANCIS, LLB

Tutor
1993 PHILIP A. COOK, BA LLB

ECONOMICS

Associate Professor, Head of Department
1990 BASIL M.H. SHARP, BAgCom(Econ) Cant., MS PhD Wis., DipAg DipVFM Lincoln (N.Z.)

Professors
1972 CONRAD A. BLYTH, MA N.Z., PhD Camb.
1973 ROBIN H. COURT, BA BSc N.Z., PhD N.S.W., MA
1992 TIM HAZLEDINE, MA Cant. & Otago, PhD Warw.

Emeritus Professor
1962 GEOFFREY P. BRAAE, MCom N.Z., DPhil Oxf.

Associate Professor
1978 STEPHEN R. H. JONES, BSc(Econ) PhD Lond.

Senior Lecturers
1983 ANTHONY M. ENDRES, MSocSc Waik., PhD W'gong
1972 KENNETH E. JACKSON, BA PhD Kent
1964 KEITH D. S. JONES, BA Wales, MSc(Econ) PhD Lond.
1985 SHOLEH A. MAANI, MS PhD Ill.
1991 TIM J. MALONEY, BA MS PhD Wis.
1988 MIA MIKIC, MS MSc St. M., PhD Zagreb (on leave)
1986 ALAN J. ROGERS, AM PhD Prin., MA
1979 ROBERT D. J. SCOLLAY, MA Camb. & Well., BCom
1981 SUSAN M. ST. JOHN, BSc MA N.Z.

Lecturers
1993 DEBASIS BANDYOPADHYAY, BSc Calc., MA Flor., PhD Minn.
1994 GILLIS A. C. MACLEAN, BSc
1993 RONALD R. McNAMARA, MA PhD Calif.
1990 MARTIN P. O'CONNOR, BSc MA Cant., DEA Paris, MPhil PhD
1994 EVANOR PALAC-McMIKEN, MA Philippines, PhD Syd.
1991 RAVINDRA RATNAYAKE, BA S.Lanka, PhD Lat.
1988 ANJUM SIDDIQUI, MA Otr., PhD S.Fraser
1994 JOHN P. SMALL, BSc BA PhD Cant.

Assistant Lecturer
1994 KEITH R. RANKIN, MA BSc DipSocSc

Senior Tutor
1987 SUSAN S. LAURENSON, BCom MA

Tutor
1994 SCOTT W. FARGHER MA

Tamaki Campus

Professor
Appointment Pending

Senior Tutors
1989 MICHAEL D. G. ANSTIS, BA
1992 GRAEME JONES, MCom, ACA

Tutors
1992 CHRISTOPHER CARSON, BA Cant.
1991 TERRY HANNON, BCA BCom Well., LLB
MANAGEMENT SCIENCE AND INFORMATION SYSTEMS

Professor, Head of Department
1990 JUSTO A. DIAZ, BSc Ott., PhD U.C. Berkeley

Professor
1992 DAVID M. RYAN, MSc Otago, PhD A.N.U., C Math, FIMA (jointly with Engineering Science)

Visiting Professor
1991 BRENTE GALLUDE, BMath Wat., MBA Tor., PhD Minn., ISP, CMA, FLMI

Associate Professors
1993 VICTOR M. PORTOUGAL, PhD Gorky
1992 ANANTH SRINIVASAN, BEng Madr., MBA Ill., PhD Pitt.
1995 DONALD SHERIDAN, PhD Alta.

Senior Lecturers
1991 SUSAN BYRNE, BSc Well., PhD Lond.
1991 JOSEPH G. DAVIS, BSc St.Jos., PGDM IIMA Ahmedabad, PhD Pitt.
1986 LECH J. JANCZEWSKI, MSc Tor., DEng Warsaw
1991 HANS LEHMANN, BA Vienna, MA Natal
1984 KAMBIZ E. MAANI, MSc Tehran & Ill., PhD Ill.
1989 PETER MAZANY, MA MPhil PhD Yale, BSc MCom
1989 MICHAEL MYERS, MA PhD
1982 JAMES SHEFFIELD, MBA Wis., PhD Arizona, MSc

Lecturer
1994 DAVID J. ROBB, MBA PhD Calg. PEng
Visiting Lecturer
1995 OTTO PETROVIC, PhD Vienna

Tutors
1993 KAREN McCHESNEY, BCom, LLB
1992 STUART R. MUNDAY, BCom, DipCom
1993 LIN NAH, BCom
1993 RICHARD VOWLES, BCom BSc, DipCom

Senior Lecturers
1993 SAULAN LEE (GRACE) LOO, BSc DipEd Malaya, MSc MPhil Lond., BCAcs, MACM, Mem.IEEE
1991 JOHN PAYNTER, BCom MSc

Tutors
1992 SHOBA TEGGINMATH, BSc B'lure., MPhil
1994 WARREN TURNER, BSc

MANAGEMENT STUDIES AND LABOUR RELATIONS

Professor, Head of Department
Appointment Pending

Professors
1972 JOHN S. DEEKS, MA Camb., DipPM L.S.E.
1980 J. H. KERR INKSON, MA Aberd., MPhil Lond., PhD Otago, FNZPsS

Associate Professor
1991 MARIE G. WILSON, MS Flor. & Arizona, JD PhD Arizona

Associate Professor of Public Sector Management
1988 MICHAEL J. POWELL, PhD Chic., MA

Senior Lecturers
1993 DAVID BARRY, BA PhD Maryland
1987 PETER F. BOXALL, PhD Monash, MCom
1987 J. RICHARD H. RICHARD, MA Ox., DipArch Lond., MPhil
1973 JUDITH C. F. McCOMORLAND, BA Leeds, MA DipEd Massey, DipYthWk Man., PhD
1993 ERLING J. RASMUSSEN, Cand Mag Odense, PhD EUI, Florence
1990 MARYAN STREET, BA Well., MPhil, DipTch (jointly with Centre for Labour Studies)

Lecturers
1994 GILLIAN G. BROCK, BSc BA Cape T., MA PhD Duke
1992 CATHERINE J. CASEY, MA CertMaoriStudiedies Waik., PhD Roch.
1991 STEPHEN G. HUGHES, BA Brad., MA Warw.
1992 EUGENE K. JOHNSON, BA George Washington, MS PhD Tulane
1992 DARL G. KOLB, MA Colorado, PhD C'nell
1990 JUDITH K. PRINGLE, BSc PhD Otago
1994 HELEN S. TIMPERLEY, DipEdPsych, MA
1993 HEATHER I. M. WILSON, BA PhD H.-W.

Senior Tutor
1990 FELICITY LAMM, BA MPhil
General Information

Tamaki Campus
Professor
Lecturer
1993 DAVID M. BROCK, BCom S.A., MBA Cape T., EdD N.Carolina
1994 DAVID THOMAS, BSc Appalachian, MBA N. Carolina, PhD S. Carolina
Senior Tutor
1992 LYNN LINDBERG, DipEd Massey, MA DipTchg

MARKETING AND INTERNATIONAL BUSINESS
Associate Professor, Head of Department
1983 RICHARD W. BROOKES, BCA Well., MSc Lond.
Professors
1988 RODERICK J. BRODIE, BSc PhD Cant., MA Otago
1986 R. WAYNE CARTWRIGHT, MAgSc Massey, PhD Purdue
Associate Professor
1993 PETER J. DANAHER, MSc Purdue, PhD Flor., BSc
Senior Lecturers
1994 THOMAS H. AGEE, BA Virg., MPhil
1989 BRIAN J. BLOCH, MCom Witw., PhD S.A.
1993 DOREN D. CHADEE, MA MSc PDat.
1989 MICHAEL C. GROVES, MA Otago
1991 VALERIE J. LINDSAY, MSc Otago, MBA Well.
1994 RAMI ZWICK, PhD N. Carolina
Lecturers
1993 ERIC W. ASSENDLEFT, B Agric DipBusSt DipSoc PhD Massey
1994 MAUREEN BENSON-REA, MBA
1992 BRENT M. BURMESTER, LLB MCom
1990 CHRISTINA LEE, MCom PhD
1993 VICTORIA J. LITTLE, BCom Otago, MBA
1992 KIM MARSHALL, MCom
1993 ANDREW PARSONS, PhD Alta., MCom
1994 JOSEPH C. SALVACRUZ, BSc Philippines, MSc Kansas, PhD Kentucky
1987 DAVID S. E. SHIEFF, MCom
1994 HEATHER WILSON, BA PhD, H.-W.

FACULTY OF ENGINEERING
Dean
1973 ROY M. SHARP, MA DPhil Oxf., FIPENZ, MIEAust, CEng, MIM

CHEMICAL AND MATERIALS ENGINEERING
Professor, Head of Department
1981 BARRY J. WELCH, MSc N.Z., PhD DSc, FRSNZ, FIChemE, FRACI, FNZIC, MNorskATS, MAIME, CEng, CChem
Professors
1969 GEOFFREY G. DUFFY, ASTC, BSc N.S.W., PhD DEng, FRSNZ, FIChemE, FIPENZ, FIMCNZ, CEng
1973 ROY M. SHARP, MA DPhil Oxf., FIPENZ, MIEAust, CEng, MIM
Associate Professors
1994 NEIL D. BROOM, BE (Met) Melb., PhD
1984 JOHN J. J. CHEN, BE PhD, CEng, FIChemE, FIPENZ
1968 W. GEORGE FERGUSON, BSc BE N.Z., PhD, CEng, MIPENZ, FIEAust, FIM
1986 KEVIN W. FREE, ME MSc N.Z., PhD Camb.
1969 ERROL G. KELLY, BE PhD Otago, AOSM, CEng, MAIME, MIMM, FAuslMM
Senior Lecturers
1971 MICHAEL L. ALLEN, BSc(Eng) Lond., ME, CEng, MlChemE, MA1ChE, MIPENZ
1989 PETER A DEARNLEY, BSc PhD Birm., CEng, MIM
1970 JOSEPH T. GREGORY, BSc Idaho, PhD Wis., MASM, MAWS, MIEAust, MNZIW
Lecturers
1993 X. DONG CHEN, BE Tsinghua, PhD Cant., MAIE
1992 WEI GAO, BE Northeastern Univ. (China), MSc B.C.R.I (China), DPhil Oxf., MASM, MAIME
Comalco Lectureship in Materials Science and Engineering
1991 MARGARET M. HYLAND, BSc Guelph, PhD W. Ont.
Research Fellow
1994 RALPH STEVENSON, MSc PhD
Honorary Research Fellow
1981 S. BARRY TRICKLEBANK, MSc PhD N.Z.
CIVIL AND RESOURCE ENGINEERING
Professor of Geotechnical Engineering, Head of Department
1977 MICHAEL J. PENDER, BE PhD Cant., MIPENZ, MASCE
Professor of Civil Engineering
1981 PETER G. LOWE, BE N.Z., MA Camb., MEngSc Syd., PhD Lond., CEng, FIPENZ, MICE, FIEAust
Professor of Mining Engineering
Appointment Pending
Associate Professor
1975 RICHARD C. FENWICK, BE N.Z., PhD Cant., MIPENZ
Senior Lecturers
1969 ANTHONY H. BRYANT, BE PhD Cant.
1980 JOHN W. BUTTERWORTH, BE PhD Sur.
1979 COLIN D. CHRISTIAN, BSc(Eng) PhD S'ton., CEng, MICE, MIPENZ, MASCE
1979 BARRY J. DAVIDSON, BE PhD
1990 JOHN DEADY, BSc ME Q'd
1972 ROGER C. M. DUNN, BE BSc N.Z., MEngSc N.S.W., DipTP, FITE, MIHT, MIPENZ
1969 IAN W. GUNN, BE N.Z., DipPHE 'n'cle (U.K.), CEng, MICE, MIPENZ, FIWEM
1980 THOMAS J. LARKIN, BE PhD, AMASCE
1979-85, 1990 NORMAN LAWGUN, ME PhD, MIPENZ
1986 LESLIE M. MEGGET, ME Cant., DiplISEE Tokyo, MIPENZ
1981 BRUCE W. MELVILLE, BE PhD, MIPENZ, MIAHR
1986 LAURENCE D. WESLEY, MSc(Eng) DIC PhD Lond., ME, MASCE, MIPENZ
Senior Lecturers in Mining Engineering
1992 C. JOHN HOGAN, BSc (MinTech) Otago, MAusIMM
1977 JOHN D. ST GEORGE, BSc Lond., MSc 'n'cle (U.K.), PhD, CEng, ARSM, MIMM, FAusIMM
1984 WILLIAM E. VANCE, MSc Nott., CEng, FIMM, MIEAust, FAusIMM, FIWEM, MIPENZ
Lecturers
1993 STEPHEN E. COLEMAN, BE PhD
1993 PAUL T. JARRETT, BE MSc(EWRE) Vanderbilt, PE
1992 PETER G. KING, BCom ME, MIPENZ, ACA
1989 HUGH W. MORRIS, ME, MIPENZ
Lecturer in Mining Engineering
1994 DAVID C. CLIBBERY, MSc PhD Nott.
Lecturer in Timber Engineering (Timber Industries Federation)
1988, 1992 RICHARD D. HUNT, BE PhD

ELECTRICAL AND ELECTRONIC ENGINEERING
Professor of Electronics, Head of Department
1977 JOHN T. BOYS, ME PhD, FRSNZ
Professor of Telecommunications
1975 ALLAN G. WILLIAMSON, BE PhD, CEng, FIEE, FIERE, Sen.Mem.IEEE, FIPENZ
Senior Lecturers
1986 LAWRENCE J. CARTER, BSc Kent, MPhil P.N.G.Tech., CEng, SMIEEE, MIEE, MIEAust
1987 GEORGE G. COGHILL, BSc H.-W., BA Open, PhD Kent, CEng, Mem.IEEE
1966 H. BRUCE GATLAND, BSc N.Z., DipElectronics S'ton., CEng, Mem.IEEE, FIMCNZ
1984 GAVIN R. HIGGIE, ME PhD, Mem.IEEE
1990 NALIN C. PAHALAWATHtha, BSc (Eng) S. Lanka, PhD Calg., Mem.IEEE, CEng, MIEE
Lecturers
1990 MARK ANDREWS, BE PhD, Mem.IEEE
1992 UDAYA D. ANNAKAGE, BSc (Eng) S.Lanka., MSc PhD UMIST, AMIEEE
1992 GRANT COVIC, BE PhD
1990 ANDREW GREEN, BE PhD, MIEE, CEng
1985 BERNARD J. GUILLEMIN, NZCS, BE PhD
1984 GERARD B. ROWE, ME PhD, Mem.IEEE, MIPENZ
1993 JAYANTHI SIVASWAMY, BS Roch., MS PhD Syr., DipElec Madr.
1990 KEVIN W. SOWERBY, BE PhD, Mem.IEEE
1991 MARK M. THOMSON, BE PhD, Mem.IEEE
Senior Tutors
1994 STEVAN BERBER BSc ME Belgrade
1990 NITISH PATEL, BSc (Eng) M'loré.
Tutors
1994 STEVEN S. O. KONG, BSc H.K., PhD N.S.W., MIEAust, CEng
1991 MITCHELL RODDA, BSc BE

ENGINEERING SCIENCE
Associate Professor, Head of Department
1969 MICHAEL J. O'SULLIVAN, BE N.Z., PhD CalTech, BSc ME
General Information

Professors
1981 IAN F. COLLINS, MA PhD Camb., FIMA
1975 DAVID M. RYAN, MSc Otago, PhD A.N.U., C Math, FIMA (jointly with Management Science & Information Systems)

Associate Professors
1978 PETER J. HUNTER, DPhil Oxf., ME
1962 DONALD A. NIELE, MA Camb., DPhil Otago, PhD, C Math, FIMA

Senior Lecturer
1986 ANDREW B. PHILPOTT, BA BSc Well., MPhil PhD Camb.

Lecturers
1992 ANDREW J. MASON, PhD Camb., BE
1993 POUL M. F. NIELSON, BE BSc PhD
1988 ROGER I. NOKES, BSc PhD
1990 ANDREW J. FULLAN, BSc PhD
1993 MIKAEL RÖNNQVIST, BSc Falun, MSc TLic PhD Linköping

Senior Tutor
1991 IAMES B. GREENSLADE, BSc Camb., NZCE, REA

Research Fellows
1988 DAVID P. BULLIVANT, MSc PhD
1993 CHUANGYIN DANG, BS Shanxi (China), MS Xidian (China), PhD Tilburg
1993 PHILIP WATSON, BSc Manch., PhD Nott. (jointly with Mechanical Engineering)

Post-Doctoral Fellow
1994 PAUL CHARETTE, PhD McGill

Research Officer
1994 FRED REINHOLZ, PhD DipPhys Rostock

MECHANICAL ENGINEERING

Professor, Head of Department
1977 PETER S. JACKSON, PhD Camb., ME, CEng, MIPENZ, MRAeS

Professors
1986 JOHN L. DUNCAN, BMechEng Melb., MSc PhD Manch., FASM, FIPENZ
1985 RAY F. MEYER, BE N.Z., PhD Manch., FCASI, MAIAA, FIPENZ, FRAcS

Associate Professors
1981 DEBES BHATTACHARYYA, ME Calc., PhD Jad., MASME, MAS
1982 GORDON D. MALLINSON, BSc Well., PhD N.S.W., MIEAust, CPEng
1975 J. DES TEDFORD, BSc(Eng) PhD Belf., CEng, MIEE

Senior Lecturers
1988 PRADEEP K. BANSAL, BSc Meerut, MSc Roor., PhD I.I.T. Delhi, MIIR, MASHRAE
1970 GEORGE W. BLANCHARD, MSc Manch., MIMC
1988 JOSEPH DEANS, BSc PhD Strath., CEng, FI MechE, MIPENZ
1984 RICHARD G. J. FLAY, BE PhD Cant., CEng, FI MechE, MASME, FIPENZ
1991 KENG CHOOON LEE, MBA ME, DipGeothermalTech, MIPENZ (jointly with Geothermal Institute)
1982 BRIAN R. MACE, MA DPhil Oxf.
1979 JOHN S. McFEATERS, BSME Pitt., MSME Minn., PhD Carnegie Mellon
1973 GEORGE MOLTSCHANIWSKYJ, MSc(Eng) Lond.
1977 ROBERT R. RAINE, BSc PhD S’ton., MSAE, MASME
1981 PETER J. RICHARDS, BSc R’dg, PhD C.N.A.A., AMRAeS
1986 RAINER H. A. SEIDEL, Dipl.-Wirtsch.-Ing Karlsruhe, PhD

Lecturers
1994 ENRICO HAMMERLE, Dipl.-Ing F.H. Offenburg, Dipl.-Ing Bochum, Dr.-Ing Bremen, VDI Germany
1994 DAMIAN P. W. HARRIGAN, BE PhD Melb.
1993 RICHARD W. JONES, BSc (ChemEng), PhD N’cle (U.K.), MIEE
1992 PETER R. MILNER, BA Open, BSc PhD Leeds, CEng, MIMechE
1988 STEVE M. PANTON, BSc PhD Aston
1992 HEATHER SILYN-ROBERTS, BSc Wales, PhD

HRC Senior Research Fellow
1975 NEIL D. BROOK, BE(Met) Melb., PhD

Research Fellow
1988 R. O. ADEKUNLE OLOYEDE, BSc(ChemEng) Lagos, MSc(Eng) Cran. I.T., DIC PhD Lond., MNSE

Research Fellows
1993 PHILIP WATSON, BSc Manch., PhD Nott. (jointly with Engineering Science)

Honorary Research Fellows
1969 DEREK H. FREESTON, BSc Lond., CEng, MRAeS, FI MechE, MIPENZ
1993 TOM SCHNACKENBERG, MSc Br. Col.

GEOTHERMAL INSTITUTE within the Faculty of Engineering

Associate Professor, Director of Geothermal Institute
1972 M. P. HOCHSTEIN, DipGeophys T.U. Clausthal, DrRer Nat Man., FRSNZ (jointly with Geology)
Associate Professor
1978  P. R. L. BROWNE, BSc Cape T., MSc Leeds, PhD Well. (jointly with Geology)
Senior Lecturer
1991  KENG CHOON LEE, MBA ME, DipGeothermTech, MIPENZ (jointly with Mechanical Engineering)

Lecturers
1992  MICHAEL G. DUNSTALL, BE PhD (jointly with Mechanical Engineering)
1991  S. F. SIMMONS, BA Macalester, MS PhD Minn.
1990  S. SOENGKONO BSc Bandung, MSc PhD, DipGeothermTech

FACULTY OF FINE ARTS
Dean
1979  MICHAEL R. DUNN, MA Melb., DipFA Cant. & Auck., PhD

FINE ARTS
Professor, Head of Department
1979  MICHAEL R. DUNN, MA Melb., DipFA Cant. & Auck., PhD
Professor
1961  JOLYON D. SAUNDERS, DipFA N.Z., DipIndDes, NDD, FDINZ
Associate Professor
1966  G. L. TWISS, DipFA N.Z.
Senior Lecturers
1979  D. H. BINNEY, DipFA N.Z.
1977  P. E. DADSON, DipFA
• 1981  R. J. FRIZZELL, DipFA
• 1995  RODNEY FUMPSTON, BFA MFA
• 1984  CHRISTINE HELLYAR, DipFA (on leave)
1985  MEGAN L. JENKINSON, BFA
1993  SELWYN MURU (jointly with Maori Studies)
1989  CAROLE M. SHEPHEARD, DipFA
1978  R. M. SIMPSON, MFA Ill., BFA
1980  B. G. de THIER, DipFA Cant., MDINZ
1971  JOHN B. TURNER
• 1980  D. C. WATKINS, DipRCA Lond., DipGD Well. P.
Lecturers
• 1994  ROBYN HUGHES, BFA PGdip Lond.
1993  KURU TE WARU-REWIRI, DipFA

FACULTY OF LAW
Dean
1982  M. B. TAGGART, LLM Harv., LLB

LAW
Professors
1971  IAN G. EAGLES, BA LLB Q’ld., PhD Camb., LLM
1969  P. J. EVANS, BA LLB Otago, PhD Camb., LLM
1994  BRUCE V. HARRIS, LLB Otago, LLM Harv.
1985  JULIE K. MAXTON, LLB Lond., LLM Cant., PhD
1982  M. B. TAGGART, LLM Harv., LLB
Associate Professors
1973  J. B. ELKIND, BA Col., JD N.Y., LLM Lond., LLB
1972  W. C. HODGE, AB Harv., JD Stan.
1968  D. W. McMORLAND, PhD Camb., LLM
1969  K. A. PALMER, LLB Harv. & Auck., SJD Virginia
1977  MARGARET A. VENNELL, LLB N.Z.
1985  P. G. WATTS, LLB Cant., LLM Camb.
Senior Lecturers
1988  K. BOSELMANN, Drjur F. U.Berlin
1983  W. J. BROOKBANKS, LLM
1979  E. JANE KELSEY, LLB Well., BCL Oxf., MPhil Camb., PhD
1980  T. J. McBRIEDE, LLB Well., LLM Dal.
1986  R. J. PATERSON, BCL Oxf., LLB
1987  P. T. RISHWORTH, LLB MJur
1974  PAULINE TAPP, LLB MJur
Lecturers
1995 R. A. BIGWOOD, PhD A.N.U., LLB
1992 G. A. HUSCROFT, BA Western, LLB Qu., LLM
1986 JOANNA M. MANNING, LLM George Wash., BA LLB
1991 ELIZABETH K. PATON-SIMPSON, LLM Br. Col., BCom LLB
1994 T. G. W. TELFER, BA LLB W.Ont., LLM Duke
1991 ROSEMARY TOBIN, DipEd Massey, BA LLB Mjur
1992 V. C. TOMAS, LLB
1994 ANDREA TUNKS, LLB
1983 G. L. WILLIAMS, BCom LLM, ACA
Lecturers, Part-time
+1991 JUDGE J. CADENHEAD, LLB N.Z.
+1993 R. P. G. HAINES, BA LLB
+1994 JUDGE R. JOYCE, LLB Cant.
+1992 G. MOUSOURAKIS, I LLB Athens, MSc Manc., PhD Edin.
+1994 M. PERRY, LLB Manc.
+1991 P. C. SUMPTER, LLB MA
+1991 F. J. THORP, LLB Well., MPhil Nott.
+1991 D. A. R. WILLIAMS, QC, LLM Harv., LLB

FACULTY OF MEDICINE AND HUMAN BIOLOGY

Dean
1988 P. D. GLUCKMAN, MBChB Otago, MMedSc DSc, FRSNZ, FRACP
Senior Lecturer, Physico-Chemistry
1960 GRAHAM R. WHITE, MSc N.Z., MNZIC

ANATOMY

Professor of Anatomy, Head of Department
1978 RICHARD L. M. FAULL, BMedSc MBChB Otago, PhD DSc
Professor of Anatomy
1968 JOHN B. CARMAN, BMedSc MBChB N.Z., DPhil Oxf.
Professor of Radiology
1986 STUART W. HEAP, MBBS Lond., FRACR, FRCR
Associate Professors in Anatomy
1973 CYNTHIA G. JENSEN, AB Brown, PhD Minn.
1976 MERVYN J. MERRILEES, BSc Otago, PhD Tor.
Senior Lecturers in Anatomy
1989 BRENDA V. DAWSON, BA Keele, MD Arizona, FASCP, FCAP
1993 COLIN R. GREEN, MSc PhD
1984 J. MARTIN WILD, MA Cant., PhD
Senior Lecturer in Radiology
1988 ALAN R. LIST, MBChB Otago, FRACR
Senior Lecturer in Biology for Medicine
1989 LOUISE F. B. NICHOLSON, MSc PhD
Senior Tutor in Biology for Medicine
1982 COLIN G. QUILTER, PhD Otago, BSc
Senior Research Fellows
1991 C. ANTHONY POOLE, BSc, PhD Otago
1973 STEPHEN J. M. SKINNER, BSc PhD Ston (jointly with Paediatrics)

BIOCHEMISTRY SECTION (School of Biological Sciences)

Professor of Biochemistry
Appointment Pending
Associate Professor in Biochemistry, Coordinator of Biochemistry for Medicine
 o 1993 GARTH J. S. COOPER, BSc MBChB, DPhil Oxf., DipObst, FRCPA (jointly with School of Medicine)
Associate Professor in Biochemistry
1977 THOMAS BRITTAIN, BSc PhD ScD E. Anglia, CChem, FRSC, MNZIC
Senior Lecturers in Biochemistry
1974 PETER M. BARLING, BA Oxf., PhD Lond.
1982 DAVID L. CHRISTIE, MSc PhD
1969 ANTHONY M. ROBERTON, BSc Otago, DPhil Oxf.
1976 G. KENNETH SCOTT, BSc Manc., PhD Edin.
Senior Lecturer in Molecular Genetics
1993 DONALD R. LOVE, BSc PhD Adel.
Lecturer in Biochemistry
1991 NIGEL P. BIRCH, BSc Massey, MSc PhD

COMMUNITY HEALTH

Professor, Head of Department
1979 ROBERT BEAGLEHOLE, MBChB MD Otago, MSc Lond., FRACP, FAFPHM, MRCP

Associate Professor of Epidemiology
1990 RODNEY T. JACKSON, DipComH Otago, BSc MBChB MMedSc PhD, DipObst, FAFPHM

Senior Lecturer in Biostatistics
1986 ROGER J. MARSHALL, Msc S’ton., PhD Brist.

Senior Lecturer in Community Health
1986 ROBERT N. McKEGG, BDS NZ, DipPH(Dent) Syd., FAFPHM

Senior Lecturer in Environmental Health
1993 VIRGINIA HOPE, MBChB DipComH Otago, FAFPHM

Senior Lecturer in Epidemiology
1983 ROBERT K. R. SCRAGG, MBBS Adel., PhD Flin., FAFPHM

Senior Lecturer in Health Economics
1992 TONI ASHTON, MA

Senior Lecturer in Health Promotion
1992 JENNIFER E. HANG, BA Well. & Auck., PhD New School for Social Research (N.Y.)

Senior Lecturer in Maori and Pacific Island Health
1989 DAVID C. TIPENE-LEACH, DipComH Otago, MBChB, FAFPHM

Senior Lecturer in Medical Sociology
1976 PETER B. DAVIS, BA S’ton., MSc Lond., PhD

Lecturer in Maori Health
1994 HUNAARA KAA, BDS N.Z., DHA Massey

Director Alcohol and Public Health Research Unit
1991 SALLY CASSWELL, BA Sheff., PhD Otago

Director Injury Prevention Research Centre
1990 ROBYN NORTON, MA Cant., MPH PhD Syd.

GENERAL PRACTICE

Associate Professor, Acting Head of Department
1973 JOHN G. RICHARDS, MBChB N.Z., FRCP, FRNZCP, FRCPEd, FRACP

Senior Lecturer
1991 BRUCE ARROLL, MHSc B.Col., BSc MBChB PhD DipObst, CCFPCC, NZCM

Senior Lecturer, Director Trust Health Care
1993 TREVOR LLOYD, MBChB, DipObst, MRNZCP

Douglas Pharmaceuticals Senior Lecturer in Communication Skills
1994 SUSAN J. HAWKEN, MBChB, DipObst

Senior Lecturer, Bristol-Myers Squibb Teaching Facilitator
1994 MARC T. M. SHAW, MBChB, BMedSc Otago, DRCOG, DCH

Bristol-Myers Squibb Research Fellow
1994 DIANA A. NORTH, MBChB

SmithKline Beecham (NZ) Ltd Research Fellow
1994 BARRY M. GRIBBEN, MBChB

Goodfellow Unit
Sir William Goodfellow Director of Continuing Medical Education in General Practice
1978 P. M. BARHAM, BSc MBChB Otago, MHPEd N.S.W., DipObst, FRNZCP, MRCP

Assistant Director
1990 JOCELYN M. TRACEY, MBChB MMedSc, DipObst, MRNZCP

Joint Appointments
Senior Lecturer, Women’s Health
1991 HELEN ROBERTS, MBChB BAO BA, DipObst Dublin, MPH Yale

Lecturer, Drug and Alcohol Studies
1994 ROSS N. MCCORMICK, MBChB, FRNZCP

MEDICINE, The Department of

Professor, Head of Department
1978 D. N. SHARPE, MBChB MD Otago, DipABIM, DipABCDis, FRACP, FACC

Professor of Medicine
1973 SIR JOHN SCOTT, KBE, BMedSc MBChB N.Z., MD Birm., FRSNZ, FRCP, FRACP

National Heart Foundation Professor of Cardiovascular Studies
1979 W. F. LUBBE, MBChB MD Cape T., FCP(SA), FRACP, FACC

Professor
1973 D. E. RICHMOND, MBChB N.Z., MD Otago, MHPEd N.S.W., DipABIM, DipABNeph, FRCP, FRACP

Honorary Professors
1981 I. M. HOLDAYAW, BMedSc MDChB Otago, FRFACP

1969 PHILIPPA M. WIGGINS, MSc N.Z., PhD Lond.
Associate Professors

• 1993 GARTH J. S. COOPER, BSc MBChB Otago. DPhil Oxf., DipObst, FRCPA (jointly with School of Biological Sciences)

1987 I. R. REID, MBChB MD, FRACP

1978 IAN J. SIMPSON, MBChB Otago, MO, FRACP

Senior Lecturers

1986 J. J. BASKETT, MBChB Otago, FRACP

1990 P. N. BLACK, MBChB, FRACP

1994 G. BRAATVEDT, MBChB Cape T., MD Lond., MRCP(UK)

1987 T. F. CUNDY, MA MBBChir Lond., MD Camb., MRCP(UK)

1992 A. FRASER, MBChB Otago, FRACP

1987 J. KOLBE, MBBS Q’ld., FRACP

1992 D. SIMMONS, MA MD Oxf., MBBS Lond., MRCP(UK)

1988 E. W. WILLOUGHBY, MBChB Otago, FRACP

1993 P. WOOD, BMedSci MBChB Otago, FRACP

Clinical Senior Lecturers

1993 D. SCOTT, MBChB Otago, MRCP(UK), FRACP

1993 P. FRENGLEY, MBChB Otago, FRCP(C), FRACP

1993 J. HENLEY, MBChB Otago, FRACP

Senior Research Fellows

1987 R. BONITA, BA DipEd N.S.W., MPH North Carolina, PhD

1989 S. MACMAHON, BSc MACant., MPH Syd., PhD N.S.W., FACC

1992 T. MILLER, PhD DSc

1992 A. J. FENTON, MBChB PhD, FRACP

Research Fellows

1993 J. CORNISH, MSc PhD

1994 D. ORMROD, BSc PhD

Molecular Medicine

Associate Professor of Haematology, Head of Department


Professor

1976 J. MARBROOK, MSc PhD

Senior Lecturers in Microbiology

1971 D. A. BREMNER, MBChB N.Z., FRCPA

1988 M. G. THOMAS, MBChB, DipObst, FRACP

Senior Lecturer in Haematology

1989 P. J. BROWETT, BMedSci MBChB Otago, FRACP, FRCPA

Senior Lecturer in Human Genetics

1991 M. WINSHIP, MBChB MD Cape T.

Senior Lecturer in Immunology

Appointment Pending

Senior Lecturer in Molecular Medicine

1991 K. E. CROSIER, MBChB Otago, PhD, FRACP, FRCPA

Senior Tutor

1987 M. G. HEAP, MSc Otago

Senior Research Fellows

1984 R. J. BOOTH, MSc PhD

1987 P. S. CROSIER, MSc PhD Otago

1989 J. D. FRANCE, MSc Well., PhD

1988 G. W. KRISSANSEN, BSc PhD DipSc Otago

1992 F. McCUEEN, MBChB Otago, FRACP

Research Fellows

1992 C. J. HORGAN, BS Lowell, PhD Virginia

1994 K. B. LEHNERT, Dr rer nat Technische Hochschule Darmstadt

Honorary Research Fellows

1994 J. K. FRENCH, BMedSci MBChB Otago, PhD Adel., FRACP

1994 N. S. VAN-DE-WATER BSc DipSc Massey, PhD Lond.

OBSTETRICS AND GYNAECOLOGY

Postgraduate Professor in Obstetrics and Gynaecology, Head of Department

1993 G. M. TURNER, BS MB Lond., FRCOG FRNZCOG

Professor in Obstetrics and Gynaecology

1973 C. D. MANTELL, BMedSci MBChB Otago, PhD, DipObst, FRCOG, FRNZCOG

Associate Professor in Steroid Biochemistry

1969 J. T. FRANCE, MSc N.Z., PhD DSc, FAACB, FNZIC

Senior Lecturers

• 1989 C. M. FARQUHAR, MBCNB, MD, DipObst, MRCPG FRNZCOG

1982 M. G. JAMIESON, BMedSci MBChB Otago, MSc Edin., DPhil Oxf., FRCOG, FRNZCOG

• 1987 L. M. E. McCUAN, BSc MBChB, DipObst, FRCOG, FRNZCOG

1991 R. A. NORTH, PhD Melb., BSc MBChB, FRACP,
PAEDIATRICS

Professor of Paediatrics, Head of Department
1993 GAIL E. RICHARDS, BA C'nell, MD MM Northwestern (USA), CertAmBdPed
Professor of Paediatric & Perinatal Biology, Director of Research Centre for Developmental Medicine & Biology
1988 PETER D. GLUCKMAN, MBChB Otago, MMedSc DSc, FRNSNZ, FRACP
National Child Health Research Foundation Professor
1970 ROBERT B. ELLIOT, MBBS MD Adel., FRACP
Associate Professors
1972 ROSS N. HOWIE, MBChB NZ., FRACP
1982 DIANA R. LENNON, MBChB Otago, FRACP
1984 EDWIN A. MITCHELL, BSc MBBS Lond., DCH, FRACP
Honorary Associate Professor
1990 TANIA GUNN, MBChB MD, FRCPCan, CertAmBdPed
Senior Lecturers
1981 M. INNES ASHER, BSc MBChB, FRACP
1991 WAYNE CUTFIELD, MBChB Auck., DCH Otago, FRACP
1989 SUZANNE L. DAVIS, BMedSc MBChB Otago
1993 CAMERON GRANT, MBChB Otago, FRACP, FAAP
1989 JANE E. HARDING, DPhil Ox., BSc MBChB, FRACP
1976 MAXWELL C. MORRIS, MBChB Otago, FRACP, FRCPCan
1976 STEPHEN R. WEALTHALL, MBChB Sheff.
Senior Lecturer in Paediatric Surgery
1993 R. STUART FERGUSON, MBChB Otago, FRACS
Senior Research Fellows
1987 BERNHARD BREIER, Diplng Gott., PhD
1982 BARBARA M. JOHNSTON, BSc S'ton., DPhil Ox.
1993 KATHY MOUNTJOY, BSc PhD
1971, 1973 STEPHEN J. M. SKINNER, BSc PhD S'ton.
Research Fellows
1992 NICOLE BASSETT, MSc PhD
1982 SHIVA REDDY, MSc DipSc Otago, PhD
1984-1987, 1991 CHRIS WILLIAMS, MSc Waik., PhD
UGC Postdoctoral Fellow
1992 MICHAEL BAUER, DiplngAgr, PhD
NZVCC Postdoctoral Fellow
1992 BARBARA FUNK, DrRerNat
General Information

HRC Senior Research Fellow
1980 W. R. WILSON, BSc, Well., MSc PhD
Research Fellow
1980 Y. S. CHOONG, MSc PhD Otago, FACA, FICA
Honorary Senior Research Fellow
1981 F. H. SIMS, MSc MD Otago, PhD Edin., FRACPA, FAACB

PHARMACOLOGY AND CLINICAL PHARMACOLOGY
Professor, Head of Department
1994 MURRAY MITCHELL, DPhil Oxon, DSc Liv., FRCS
Senior Lecturer in Anaesthetics
1991 STEPHAN. A. SCHUG, MD Cologne
Associate Professor
1979 SHEILA A. DOGGRELL, BSc PhD S’ton.
Senior Lecturers
1988 MICHAEL DRAGUNOW, MSc PhD Otago
1977 JAMES W. PAXTON, BSc PhD Glas.
Senior Lecturer in Clinical Pharmacology
1984 NICHOLAS H. G. HOLFORD, MSc MBChB Manc., MRCP(UK), FRACP
HRC Senior Research Fellow
1988 IAIN G. C. ROBERTSON, BSc Massey, PhD

PHYSIOLOGY
Associate Professor, Head of Department
1977 B. H. SmALL, BE BSc Cant., DIC PhD Lond.
Professor of Neurophysiology
1986 J. LIPSKI, MD PhD DSc Warsaw (on leave)
Professor of Physiology
Appointment Pending
Senior Lecturers
1972 NOEL J. DAWSON, BSc PhD, N.E.
1977 J. R. SLACK, BSc PhD Lond.
1982 D. S. LOISELLE, MSc Alia., PhD Dal., DipPhEd Otago
1984 S. M. ROBINSON, MBChB Otago, MSc Adel., FFARACS
1989 P. R. THORNE, BSc DipSc Otago, MSc PhD
Lecturers
1991 D. DE CASTRO, BSc MBChB
1990 S. C. PURDY, DipAud Melb., MSc PhD
1989 G. HOUSLEY, MSc PhD
Appointment Pending
Appointment Pending
Senior Research Fellow
1980 S. POCKETT, MSc PhD
Tutor
1994 M. WARD, BSc

PSYCHIATRY AND BEHAVIOURAL SCIENCE
Professor of Psychiatry, Head of Department
1993 IAN R. FALLOON, MBChB Otago, DPM Lond., MRCPsych
Associate Professor in Behavioural Science
1972 J. M. RAEBURN, MA PhD Qu.
Senior Lecturers in Behavioural Science
1994 T. R. MCCORMICK, MSc MBChB PhD, FRNZCP
1990 K. J. PETRIE, MA Calif., PhD Massey, DipClinPsych
1992 JAN E. PRYOR, MA Otago, MA PhD Cant.
Senior Lecturer in Medical Ethics
Senior Lecturers in Psychiatry
1992 J. H. COVERDALE, BSc MBChB Otago, DipObst
1984 R. R. KYDD, MBChB Otago, PhD, FRANZCP
1978 R. G. LARGE, MBChB DPM Cape T., PhD, FFPsych S.A., FRANZCP
Lecturers in Behavioral Science
1991 P. J. ADAMS, MA PhD, DipClinPsych
1980 VALERIE J. GRANT, MA PhD, NZRN
Lecturer in Psychiatry
1994 T. M. LAIDLAW, MSc PhD, DipOT Man., DipTchg
Senior Research Fellow
1982 G. J. LEES, BSc PhD Melb.
Research Fellow
1994 L. WOODWARD, MA Cant., PhD Lond.
Senior Tutor in Behavioural Science
1975 R. G. R. NAIRN, MSc
Tutor in Behavioural Science
1991 G. S. ELKIND, MA Mich., PhD

SURGERY
Professor, Head of Department
1980 GRAHAM L. HILL, MBChB Otago, MD Leeds, FRACS, FRCS, FACS

Sir William Stevenson
Associate Professor of Plastic and Reconstructive Surgery
1979 DONALD F. LIGGINS, MBMS Syd., FRACS

Sir William Stevenson and Lady Stevenson
Senior Lecturer in Ophthalmology
1984 M. M. GILLIAN CLOVER, MBChB Otago, PhD Lond., FRACS, FRACO

Senior Lecturer in Transplantation Surgery
1992 PETER M. CHRISTIE, MBChB MD, FRACS

Senior Lecturers
1992 P. G. ALLEY, MBChB Otago, FRACP
1993 IAN D. S. CIVIL, MBE, ED, BSc MBChB, FRACS
1992 R. W. FARMILO, BSc MBChB, DipObst, FRACS
1992 JOHN A. WINDSOR, BSc Otago, MBChB MD, DipObst, FRACS

Lecturers
1994 PATRICK J. FINN, BM BS Flin., FRACS
1994 ANDREW A. HILL, MBChB Otago, FRACS (provisional)

Research Fellows
1994 MARTIN J. D. BONHAM, MBChB
1994 MATTHEW A. CLARK, MBChB, FRACS (provisional)

Honorary Research Fellow
1994 MASANORI UEHARA, MD Senior Research Physicist

CLINICAL LECTURERS TO THE SCHOOL OF MEDICINE

Anatomy
Clinical Lecturers
M. L. Herdson, MBChB, FRACR
B. Hochstein, BSc MBChB, FRACR

General Practice
Clinical Lecturers
D. Hoadley, MBChB, DRCOG, MRCP
G. W. L. Knight, MBChB, DipObst, MRCP

Clinical Teachers
M. Arbuckle, MBChB, DipObst
R. Bell, MBChB Otago
T. Birch, MBChB, FRNZCP, DipObst RCOG
E. Brosnan, MBChB, DipObst Otago, FRNZCP
J. Buckland, MBChB, DipObst
P. Cairney, MBChB Otago, DipObst
S. Calvey, MBChB Otago
R. Coleman, MBChB Otago, DipObst, MRNZCP
S. Craft, MBChB Otago, DipObst
W. Ferguson, MBChB
I. Gilchrist, MBBS Durh.
I. Hague, MBChB Sheff., MRNZCP
T. Hay, MBChB, DipObst
E. Horne, MBChB Glas.
R. Hughes, MBChB
N. Hutchinson, MBChB Otago, DipObst
J. Lindsay, MBChB, DipObst, MRNZCP
B. McKinney, MBChB, DipObst
B. Nuïjsink, MBChB Otago
A. Patel, MBChB Otago
M. Tombleson, MBChB Wales, DA, RCP(Lond), RCS(Eng), DipObst, MRCP(UK)
A. Webster, MBChB, DipObst Otago, MRNZCP
M. Wiggins, BMC MBChB, DipObst, DCH
A. Wiles, MBChB, DipObst RCOG, FRNZCP
R. Wilson, MBChB Otago, DipObst

Medicine
Clinical Readers
J. A. Birkbeck, MBChB Edin., CertAmBdPed, FRCPCan

Robin H. Briant, MBChB Otago, FRACP, MRCP U.K.
D. E. Caughey, MBChB N.Z., FRCPEd, FRACP
J. M. Neutze, MD Otago, MBChB N.Z., FRACP
R. P. Rothwell, MBChB N.Z., FRCP, FRACP

Clinical Lecturers
T. M. Agnew, MBChB N.Z., FRACP,FRCP
N. E. Anderson, BSc, MBChB, FRACP
H. P. Birch, MBChB Sheff., MRCP U.K.
M. J. Butler, MBChB Otago, DipObst, FRCP, FRACP
E. D. Clarke, MBChB Otago, MRCP(UK), FRACP
J. F. Collins, MBChB Otago, FRACP
J. V. Conaglen, MBChB Otago, FRACP
H. A. Coverdale, MBChB Otago, FRACP
M. S. Croxon, MBChB Otago, FRACP
R. G. Cutfield, BSc, MBChB, FRACP
A. Daniels, MBChB Cape T., FCP(SA)
J. G. Davison, MBChB Otago, FRACP
P. B. Doak, MBChB N.Z., MRCP, FRACP
P. Drury, MA, MBChir, FRCP
R. J. Eason, MBChir Cant., DipObst, FRACP
P. D. Frankish, BSc, MBChB, FRACP
R. W. Frith, BSc, MBChB, FRACP
J. E. Garrett, MBChB Otago, FRACP
P. G. Gow, MBChB, BMedSc Otago, FRACP, FACRM
R. R. Griger, MBChB Otago, DipObst, FRACP
R. G. Harris, MBChB Otago, MBA, DipObst, FRACP
A. C. Harrison, MBBS Adel., FRACP
H. H. Hart, BSc MBChB Witw., FCP S.A., MRCP U.K., FRACP
R. K. Haydon, MBChB Otago, DipObst, FRACP, MRNZCP
P. G. Henley, MBChB Otago, FRACP
I. M. Holdaway, MBChB BMEdSc MD Otago FRACP
M. R. Lane, BSc, MBChB, FRACP
N. Lynch, MBChB, M. Med Melb. FRACP
D. L. McAuley, MBChB Otago, FRACP
C. J. Mercer, MBChB N.Z., FRCP, FRACP
G. I. Nicholson, MBChB DipObst N.Z., FRCP, FRACP
J. C. Okpala, MBBS P.N.G., MRCP
H. H. Rea, MBChB Edin., FRCPEd U.K., FRACP
FACULTY OF MUSIC

Dean
1977 G. WARREN J. DRAKE, PhD III., MA

MUSIC
Professor, Head of Department
1983 HEATH LEES, BMus MA Glas., FTCL, HonFTCL

Associate Professors
1974 JOHN F. RIMMER, BA N.Z., MusD Tor., MA
1965 GERALD R. SEAMAN, MDPhil Oxf.
1983 TAMAS VESMAS

Senior Lecturers
1979 CORAL BOGNUDA, Ier Prix(Violoncello) Ier Prix(Musique de Chambre) Paris, ACM Melb.
1977 G. WARREN J. DRAKE, BA N.Z., PhD Ill., MA
1984 JOHN A. ELMSLY, BMus BSc Well., Ier Prix (Comp) Brussels, SpCert Liège, LTCL
1980 FIONA E. McALPINE, MA Well., DèsL Paris
1974 DAVID NALDEN, BA N.Z., Ier Prix (Violin) Ier Prix (Musique de Chambre) Brussels
1976 MARY T. O'BRIEN, DipPedagog Paris Cons.
1975 BRYAN A. SAYER, BA, DipMus, LRSM, ARCM, LTCL

Lecturers
1993 GREGORY D. BOOTH, BMusEd Temple, PhD Kent State
1990 UWE GRODD, MMus Mainz
1991 KAREN GRYLLS, BA Otago, MM PhD Seattle, MMus, LRSM, LTCL
1994 BEATRICE WEBSTER, MBE

Senior Tutor in Performing Arts (Opera)
1993 ROSEMARY J. BARNES, LRSM

FACULTY OF SCIENCE

Executive Dean
1986 RALPH P. COONEY, PhD DSc Q'id., FRSNZ, FRACI, FNZIC

SCHOOL OF BIOLOGICAL SCIENCES
Professor of Biochemistry
Appointment pending
Professor of Cellular & Molecular Biology, Director
1968 A. RICHARD BELLAMY, BSc N.Z., MSc PhD, FRNZ
Professor of Botany
1976 PETER H. LOVELL, BSc PhD Sheff.
Professors of Cell Biology
1964 PETER L. BERGQUIST, MSc PhD N.Z., DSc, FRNZ
1966 STANLEY BULLIVANT, PhD DSc Lond., FRNZ, FAAS
Professors of Zoology
1957 DAME PATRICIA R. BERGQUIST, DBE, MSc PhD N.Z., DSc, FRNZ
1976 RUFUS M.G. WELLS, PhD DSc Lond., MSc, FRNZ (on leave Terms II, III)
Associate Professor in Biochemistry
1977 THOMAS BRITTAIIN, BSc PhD ScD E.Anglia, CChem, FRSChem, FNZIC
Associate Professor in Botany
1979 JOHN OGDEN, MSc PhD DSc Wales
Associate Professors in Cellular and Molecular Biology
1985 RICHARD C. GARDNER, BA MSc PhD
1983 JOERG KISTLER, DipNat ETH Zür., PhD Basle
Associate Professors in Zoology
1958 MICHAEL C. MILLER, BSc PhD Liv.
1978 JOHN C. MONTGOMERY, BSc Otago, PhD DSc Brist., FRNZ
Associate Professor
1993 GARTH J. S. COOPER, BSc MBChB, DPhil Oxf., DipObst, FRCPA (jointly with School of Medicine)
Senior Lecturers in Biochemistry
1974 PETER M. BARLING, BA Oxf., PhD Lond.
1982 DAVID L. CHRISTIE, MSc PhD
1969 ANTHONY M. ROBERTON, BSc Otago, DPhil Oxf.
1976 G. KENNETH SCOTT, BSc Manc., PhD Edin.
Senior Lecturers in Botany
1969 JOHN E. BRAGGINS, MSc Well., PhD
1966 FRANK I. DROMGOOLE, BSc N.Z., MSc PhD
1987 PHILIP J. HARRIS, MA PhD Comb.
1972 LAWRENCE C. W. JENSEN, AB Brown, MSc PhD Minn.
1977 NEIL D. MITCHELL, MA Oxf., MSc Wales, PhD N’cle. (U.K.) (on secondment to Environmental Science)
1984 BRIAN G. MURRAY, BSc PhD R’dg., FLS
1983 MICHAEL N. PEARSON, BSc C.N.A.A., PhD Exe.
Senior Lecturer in Molecular Genetics
1993 DONALD R. LOVE, BSc PhD Adel.
Senior Lecturers in Zoology
1958 DONALD R. COWLEY, MSc N.Z., PhD
1987 CLIVE W. EVANS, BSc PhD
1980 DAVID M. LAMBERT, MSc Q’ld., PhD Witw.
1968 ROBERT D. LEWIS, BSc PhD Wales
1972 JOHN A. MACDONALD, AB Stan., PhD Texas (on leave)
1977 BRIAN H. McARDLE, BSc Brist., DPhil York (U.K.)
Lecturer in Biochemistry
1991 NIGEL P. BIRCH, BSc Massey, MSc PhD
Lecturer in Botany
1988 KEVIN S. GOULD, BSc Bath, PhD Manc.
Lecturers in Cellular and Molecular Biology
1982 WARREN JUDD, BA PhD
1981 JUDITH A. O’BRIEN (Mrs), MSc
Lecturer in Environmental Science
1991 GILLIAN LEWIS, BSc PhD Otago
Lecturer in Marine Zoology
1992 RUSSELL C. BABCOCK, BSc PhD James Cook
1993 C. SCOTT BAKER, BA Sth. Florida, PhD Manoa
Lecturer in New Zealand and Experimental Biology
1990 MICHAEL M. WALKER, MSc PhD Hawaii
Lecturer in Plant Ecology
1993 SHANE D. T. WRIGHT, BSc Cant., PhD
Lecturer in Plant Molecular Genetics
1994 JOANNA J. PUTTERILL, MSc PhD
Honorary Lecturers
1971 RODERICK L. BIELESKI, MSc N.Z., PhD Syd., FRNZ
1973 A. ROSS FERGUSON, MSc Well., PhD
1991 LEN A. FRASER, MSc PhD
Senior Tutor in Biochemistry
1987 ELIZABETH HITCHINGS (Mrs), BSc
Senior Tutors in Biological Sciences
1994 AMANDA A. HARPER, MSc
1972 R. MERE ROBERTS, BSc Cant., MSc PhD
Senior Tutors in Zoology
1967 MAUREEN H. LEWIS, MSc PhD
1961 JOAN M. MILLER (Mrs), BSc Liv.
Senior Tutor, Wellesley Programme
1989 PATRICIA J. LOVELL, BSc PhD Sheff.
Research Fellows
1992 LUCILLE D. BURTON, BSc PhD
1994 CAROL E. DIEBEL, BA Humboldt State, PhD M.I.T.
1990 PAUL J. DONALDSON, BSc PhD Otago
1991 KERRY LOOMES, BSc PhD Massey
1994 DORIT NAOT, MSc Hebrew Univ., PhD Weizmann Instit., Israel
1994 DAVID J. PALMER, MSc PhD
1984, 1987 DAVID J. SAUL, BSc PhD Sheff.
1990 JOHN A. TAYLOR, BSc Aberd., PhD Edin.
1994 DAVID J. WALSH, BSc Sheff., PhD Birm.
Honorary Research Fellows
1991 PETER JENKINS, BSc N.Z., PhD
1985 MARSHALL LAIRD, PhD DSc N.Z., FAAAS
1951 JOHN A. RATTENBURY, MA Br.Col., PhD Calif.
Research Officers
1987 INGRID MATHY D. ANTHONY, BSc Lond.
1991 MORELAND D. GIBBS, MSc
1994 SUSAN E. LEDGER, MSc
1995 ANYA L. ROCHE, BSc N.S.W.
1994 STEPHEN TAYLOR, BSc Wolverhampton Polytechnic, MSc Lond.
1986 LIAM C. WILLIAMS, BSc Well.
Honorary Research Officer
1993 THOMAS B. MULVEY, DipBusStuds Massey
Statisticians/Programmer
1990 DIANNE H. BRUNTON, MSc PhD Mich.
Computer Programmers
1986 TERRY T. M. GRUUTERS, PhD
1991 TIMOTHY A. W. HAMMETT
Tamaki Campus
Professor of Environmental Management
1976 JOHN L. CRAIG, BSc Otago, PhD Massey
Senior Lecturer
1993 MICHAEL N. CLOUT, BSc Edin., PhD
Leigh Laboratory
Senior Lecturer, Scientist in Charge
1987 T. A. V. REES, BSc Liv., PhD Wales, MIBiol
Senior Lecturer
1965 W. J. BALLANTINE, MA Camb, PhD Lond., MIBiol
Lecturer
1982 R. G. CREESE, BSc PhD Syd.

CHEMISTRY
Professor, Head of Department
1962 BRIAN R. DAVIS, MSc PhD N.Z., DPhil Oxf., DSc, FRSC, CChem, FNZIC
Professors
1958 R. C. CAMBIE, MSc PhD N.Z., DPhil Oxf., DSc, FRSNZ, FNZIC
1986 RALPH P. COONEY, PhD DSc Q’ld., FRSNZ, FRACI, FNZIC
1958 CHARLMAN J. O’CONNOR, CBE, JP, MSc N.Z., PhD DSc, FRSNZ, CChem FRSC, FNZIC
1966 W. R. ROPER, MSc N.Z., PhD Cant., FRS, FRSNZ, FNZIC
1994 DOUGLAS K. RUSSELL, MA Camb., PhD St’ton., FRSNZ, FRSC, CChem
Honorary Professor
1987, 1989 WILLIAM A. DENNY, PhD DSc, FRSNZ, FNZIC
Associate Professors
1968 GRAHAM A. BOWMAKER, BSc PhD Syd., FNZIC, MRACI
1970 GEORGE R. CLARK, PhD DSc, FNZIC (on leave Terms II and III)
1968 DUNCAN J. McLENNAN, BSc N.Z., MSc PhD Well., DSc, FNZIC
1962 JOHN E. PACKER, MSc N.Z., PhD Lond., FNZIC, FRSC, CChem
1968 C. E. F. RICKARD, BSc N.Z., MSc PhD, FNZIC
1967 P. S. RUTLEDGE, MSc PhD N.Z., DSc, FNZIC
1966 MICHAEL J. TAYLOR, MA DPhil Oxf., FNZIC, FRSC, CChem
1971 PAUL D. WOODGATE, PhD DSc, FNZIC
1961 GRAHAM A. WRIGHT, MSc N.Z., DPhil Oxf., FNZIC
Senior Lecturers
1978 P. D. W. BOYD, BSc Tas., PhD Monash, FNZIC, MRACI
1988 PENELIKE J. BROTHERS, PhD Stan., MSc, MNZIC
1966 ALLAN J. EASTEAL, MSc N.Z., PhD Tas., MNZIC
1965 B. A. GRIGOR, MSc N.Z., PhD Leic.
1985 JAMES B. METSON, BSc Phd Well., MNZIC, MTMS (on leave May 1995 - May 1996)
1991 PETER SCHWERDTEGGER, CEng Aalen, BMat MSc PhD Stuttgart, MACS, MGDCh, MAPS, MNZIC
1984 L. JAMES WRIGHT, MSc PhD, MNZIC, MACS

Lecturers
1993 BRENT R. COPP, BSc PhD Cant.
1991 PETER C. HAUSER, BEng Winterthur, MSc Br. Col., PhD LaT., MNSCS
1995 GORDON M. MISKELLY, BSc PhD Otago, MNZIC
1995 CAROL M. TAYLOR, PhD Penn., MSc

Senior Tutors
1982 JUDITH M. BRITTAIN, BSc PhD E. Anglia, MNZIC
1993 ROBYN A. DORMER, MSc PhD, MNZIC
1982 SHEILA D. WOODGATE, BS Arizona, PhD Stan.

Tutor
1993 TANIA CHIRNSIDE, BSc Cant.

University Post-Doctoral Fellows
1994 THOMAS FISCHER, MSc PhD Freib.
1994 HINNE HETTEMA, Drs (MSc) Gron., PhD Nijmegen

Senior Honorary Research Fellow
1993 ROBERT F. ANDERSON, MSc PhD, MRSC, CChem

Honorary Research Fellows
1991 DIANA C. W. LIM, MSc PhD
1986 DAVID C. WARE, BS Berkeley, PhD Stan., MNZIC

Tamaki Campus
Professor/Associate Professor
Appointment Pending
Senior Lecturer
1969 DAVID SHOOTER, MSc PhD, MNZIC

ENVIRONMENTAL SCIENCE

Director
1977 NEIL D. MITCHELL, MA Oxf., MSc Wales, PhD N’cle. (U.K.)

Associate Professor
1987 JOHN E. HAY, BSc Cant., PhD Lond.

Lecturer
1991 GILLIAN D. LEWIS, BSc PhD Otago

Honorary Senior Lecturer
1994 MICHAEL H. TIMPERLEY, PhD Massey, MSc

Honorary Lecturer
1990 NORMAN G. THOM, BSc, DipHealthAdmin Massey, FNZIC, MIPENZ

GEOGRAPHY

Associate Professor, Head of Department
1970 R. J. WARWICK NEVILLE, MA DipEd N.Z., PhD Lond.

Professors
1968 WARREN MORAN, MA N.Z., PhD, FRSNZ
1994 RICHARD B. LE HERON, MA Massey, PhD Wash.

Appointment Pending

Associate Professors
1993 DOROTHY URLICH CLOHER, MA PhD Monash (jointly with the Maori Research Centre)
1987 JOHN E. HAY, BSc Cant., PhD Lond. (jointly with Environmental Science)

Senior Lecturers
1985 CHRISTOPHER R. COCKLIN, BSoeSc Waik., MA Guelph, PhD McM.
1968 PETER L. HOSKING, BA N.Z., MA Cant., PhD S.Ill.
1976 HONG-KEY YOON, BA Seoul, MS Brigham Young, PhD Calif.

Appointment Pending

Lecturers
1993 ANTHONY M. FOWLER, MA PhD
1991 WARDLOW D. FRIESEN, BA Calg. & Car., PhD
1992 JAY GAO, BE Wuhan, MSc Tor., PhD Georgia.
1992 EDWARD HARVEY, BSc Regina, MS Flor., PhD Calif.
1992 DAVID J. HAYWARD, BA Lanc., MS PhD Penn. State
1989 ROBIN A. KEARNs, MA PhD McM.
1992 LAURENCE MURPHY, BA PhD Dub.
1993 SCOTT L. NICHOL, BA A.N.U., PhD Syd.
1986 KEVIN E. PARNELL, MA PhD James Cook

Three Appointments Pending
Honorary Lecturer
1986 DAVID V. HAWKE, BA Adel., MSc Witw., PhD

Senior Tutors
1991 LYNDSEY BLUE, BSc Cant., MSc Lond.
1990 MARGARET GOLDSTONE, MSc, DipBus

Tutor
1994 MELANIE A. MILICICH, MA

Tamaki Campus

Associate Professor and Head of the Division of Science and Technology
1977 CHRISTOPHER R. DE FREITAS, MA Tor., PhD Q’ld.

Senior Lecturer
1993 WILLIAM SMITH, MA Aberd., MSc PhD McG.

Lecturers
1992 MELINDA LAITURI, MA Calif., PhD Arizona
1994 PHILIP D. OSBORNE, BSc Wat., MSc PhD Tor.

Appointment Pending

Tutor
1993 ROSANNE N. MOODY, MA

GEOLOGY

Associate Professor, Head of Department
1969 K. B. SPORLI, DipIngGeol DrScNat Ziir., FGSAm, FRSNZ

Professor
1970 PHILIPPA M. BLACK, BSc N.Z., MSc PhD, FMSAm, FRSNZ

Honorary Visiting Professor
1992 J. MALPAS, MA Oxf., MSc PhD Nfld., FGSAm, FGSL, FGNZ

Associate Professors
1960 PETER F. BALLANCE, BSc PhD Lond.
1978 P. R. L. BROWNE, BSc Cape T., MSc Leeds, PhD Well., (jointly with Geothermal Institute)
1958 J. A. GRANT-MACKIE, MSc N.Z., PhD
1971 M. R. GREGORY, BSc N.Z., PhD Dal., MSc
1972 M. P. HOCHSTEIN, DipGeophys T.U. Clausthal, DrReNat Mün., FGSNZ (jointly with Geothermal Institute)
1964 K. A. RODGERS, MSc PhD, FRNSNZ, FNZIC

Senior Lecturers
1981 J. CASSIDY, BSc PhD Liv.
1988 CORINNE A. LOCKE, BSc PhD Liv., FGS
1981 R. J. PARKER, MSc Cape T., PhD Lond.
1975 W. M. PREBBLE, MSc Well., PhD
1980 I. E. M. SMITH, BSc Well., PhD A.N.U.

Lecturers
1987 B. B. BEAMISH, BSc Tas., MSc N.S.W., MAusIMM
1993 JEFFREY L. MAUK, BSc N.Carolina. MSc Montr., PhD Mich., SEG, SME
1991 S. F. SIMMONS, BA Macalester, MS PhD Minn. (jointly with Geothermal Institute)
1992 WAYNE J. RUSSELL, MSc

Tamaki Campus

Lecturer
1993 BRENT V. ALLOWAY, BSc Well., PhD Massey

SCHOOL OF MATHEMATICAL AND INFORMATION SCIENCES

Professor, Director
1970 IVAN L. REILLY, BA DSc Well., AM PhD Ill., C Math, FIMA

COMPUTER SCIENCE

Professor, Head of Department
1982 ROBERT W. DORAN, BSc Cant., MS Stan., MNZCS

Professor
1992 CRISTIAN CALUDE, BA PhD Bucharest
1993 HERMANN MAURER, DrPhil Vienna, DrHc Politechnical University St. Petersburg

Associate Professors
1980 PETER B. GIBBONS, MSc Massey, PhD Tor., MNZCS, FTICA

Senior Lecturers
1973 G. ALAN CREAK, BA Camb., PhD Leeds
1972 PETER M. FENWICK, MSc PhD, Mem IEEE
1985 JOHN G. HOSKING, BSc PhD, Mem IEEE
1979 RICHARD J. E. LOBB, MSc PhD
1984 WARWICK B. MUGRIDGE, BA BSc Massey, MSc PhD, Mem IEEE, MACM
1994 ROBERT C. UZGALIS, BA PhD S.Calif.

Lecturers
1994 CHRISTIAN S. COLLBERG, BSc PhD Lund
1992 JEREMY GIBBONS, BSc Edin., DPhil Oxf.
1992 HANS W. GUESGEN, Dip-Inform Bonn, DrRerNat Kaiserslautern, DrHabil Hamburg
1990 JOHN HAMER, BSc Well., PhD, MACM
1981 BRUCE HUTTON, PhD Warw., MSc
1994 HANY TOLBA, MSc Cairo, PhD Lorraine
1992 XINFENG YE, BSc Hua Qiao, MSc PhD Manc.

Honorary Lecturer

Senior Tutors
1989 RICHARD W. GROSSMAN, BSc Yale, SM M.I.T.
1985 JENNIFER A. LENNON, BSc N.Z., MSc
1988 ROBERT SHEEHAN, BA, DipCompSci, DipTchg

Programmers
1990 BRUCE P. BENSON, MSc
1984 ROBERT E. BURROWES, BSc
1992 DAVID W. GLADSTONE, BSc
1993 JULIAN HARRIS, BSc

Tamaki Campus
Senior Lecturer
1971 MICHAEL J. J. LENNON, PhD M.I.T., MSc, MNZCS

Lecturers
1994 SATHIAMOORTHY MANOHARAN, BTech Kharagpur, PhD Edin.
1993 MARK TITCHENER, MS Arizona, BSc PhD

MATHEMATICS
Associate Professor, Head of Department
1971 MAVINA K. VAMANAMURTHY, MSc Msy., MS PhD Mich.
Professor, Head of Applied and Computational Mathematics Unit
1966 JOHN C. BUTCHER, MSc N.Z., PhD DSc Syd., FRSNZ, C Math, FIMA

Professors
1983 MARSTON D. E. CONDER, MScSc Waik., MSc DPhil Oxf.
1969 DAVID B. GAULD, PhD Calif., MSc
1966 PETER J. LORIMER, MSc N.Z., PhD McG., FRSNZ
1988 GAVEN J. MARTIN, PhD Mich., MSc
1994 BORIS PAVLOV, PhD DSc Leningrad

Alumni Distinguished Professor

Senior Lecturers
1969 DAVID P. ALCORN, BSc N.Z.
1967 KENNETH ASHTON, BSc Manc.
1971 BRUCE D. CALVERT, MS PhD Chic., BSc
1968 GANESH D. DIXIT, BA Agra, MA DPhil Alld.
1970 PAUL R. HAFNER, DiplMath DrPhil Zir.
1969 CHRISTOPHER C. KING, MSc Well. & Warw.
1992 NORMAN LEVENBERG, BSc Case Western Reserve, MS PhD Mich.
1971 PANDARAPARAMBATH RAMANKUTTY, BA Madras, MSc Kerala, MA PhD Indiana
1971 JOEL L. SCHIFF, AM PhD Calif.
1970 DAVID J. SMITH, BA Portland State, MA PhD Wash.
1968 GARRY J. TEE, MSc N.Z., C Math, FIMA (Mathematics Education Unit)
1971 WAYNE J. WALKER, PhD Ill., MSc

Lecturers
1992 JIANBEI AN, BSc Harbin, PhD Ill.
1993 WILLIAM D. BARTON, MPhil Massey, MSc DipTchg (Mathematics Education Unit)
1992 CONSTANCE BROWN, MA PhD Harv., BSc (Mathematics Education Unit) (jointly with Statistics)
1990 COLIN FOX, PhD Camb., MSc (Applied & Computational Mathematics Unit)
1992 VIVIEN KIRK, PhD Camb., MSc (Applied & Computational Mathematics Unit)
1993 DAVID W. MCINTYRE, BA DPhil Oxf.
1984 MARGARET J. MORTON, PhD Penn., MSc
1994 MAXINE J. PFANNKUCH, MSc DipTchg (Mathematics Education Unit)
1993 PHILIP N. SHARP, BSc PhD Cant. (Applied & Computational Mathematics Unit)
1993 ARKADII M. SLINKO, MA Novosibirsk, PhD DSc USSR Academy of Sciences
1986 WIREDMU SOLOMON, PhD Wis., MSc (jointly with Statistics)
1993 MICHAEL O. J. THOMAS, MSc PhD Warw., C Math, FIMA (Mathematics Education Unit)

Senior Tutor
1969 R. E. SWENSON, MSc

Tutors
1990 HORST W. GERLACH, DiplMath DrPhil Kaiserslautern
1993 PAMELA HURST, BSc DipTchg
1990 MOIRA STATHAM, BSc DipTchg

Tamaki Campus
Professor
Appointment Pending
General Information

Senior Lecturer
1980 ROBERT P. K. CHAN, MSc PhD (Applied & Computational Mathematics Unit)

Lecturers
1994 PAUL BONNINGTON, BSc PhD Massey
1994 STEPHEN W. TAYLOR, PhD Minn., MSc

Senior Tutors
1991 LYNNETTE L. GILMORE, MSc
1992 ALASTAIR McNAUGHTON, BA Otago, BSc Cant., DipEd Massey

STATISTICS
Professor, Head of Department
1972 ALASTAIR J. SCOTT, MSc N.Z.,PhD Chic., FRSNZ

Professor
1965-71, 1973 GEORGE A. F. SEBER, MSc N.Z., PhD Manc.

Associate Professor
1979 CHRISTOPHER J. WILD, PhD Wat., MSc

Senior Lecturers
1974 ALAN J. LEE, PhD N.Carolina, MA
1985 PETER MULLINS, MSc
1990 CHRISTOPHER M. TRIGGS, MSc PhD

Lecturers
1994 LAHKDAR AGGOUN, BSc Constantine, MSc Stephens, MSc PhD Alta.
1992 CONSTANCE BROWN, MA PhD Harv., BSc (jointly with Mathematics Education Unit)
1994 BRIAN J. EASTWOOD, BMath Wat., MStat PhD N.Carolina State
1994 VERA R. EASTWOOD, BDiv BEd MSc Philipps, PhD Car.
1992 ROBERT GENTLEMAN, BSc Br.Col., MSc PhD Wash.
1991 ROSS HAKA, PhD Calif., MSc
1994 RENATE MEYER, DipMaths PhD RWTH Aachen
1993 ARDEN E. MILLER, BSc Vic.B.C., MMaths PhD Wat.
1986 WIREMU SOLOMON, PhD Wis., MSc (jointly with Mathematics)

Tamaki Campus
Lecturers
1994 KARLA V. BALLMAN, BA Macalester, MSc PhD M.I.T.
1994 STEVE BUTT, BA Earlham College, PhD Penn.

Senior Tutor
1992 MATTHEW REGAN, BSc

Mathematics and Statistics Computer Programmers
1991 PETER DOBCSANYI, MSc Szeged
1978 JOHN R. PEMBERTON, MSc.
1989 WERNER SCHMIDT, MSc, DipCompSci

OPTOMETRY
Professor, Head of Department (on leave July 1994-95)
1978 LEON F. GARNER, BAppSc Melb., PhD City, DipEd Melb., LOSc, DCLP, FBCO, FAAO

Senior Lecturer, Acting Head of Department
1991 MAURICE K. H. YAP, BSc PhD Brad., MBCO, FAAO

Senior Lecturer
1984 ROBERT J. JACOBS, MSc PhD Melb., LOSc, FAAO

Lecturer
1994 L. STEPHEN KWOK, BE BOptom PhD N.S.W., Mem.IEEE, FAAO

Appointment Pending
Clinic Director
HELEN OWENS, MSc Cardiff, PhD Aston, MBCO

+Academic Associate
GORDON F. SANDERSON, BSc, FBOA

+Senior Clinical Associates
KERRY W. ATKINSON, FBOA, DCLP
CELIA BHARGAV, BOptom
CHRIS R. EARNSHAW, BSc, DipOpt
LEX GROCOTT, SDONZ
JULIA HALL, BOptom
SARAH HUNT, BOptom

+Clinical Associates
PETER D. SKEAT, BAppSc Melb., LOSc
JOHN TARBUFT, BSc, DipOpt
GRANT WATTERS, DipOpt, DCLP

+Clinical Associates
KAREN HUMPHRIES, BOptom
JOHN ADAM, DipOpt
PHYSICS

Professor, Head of Department
1991 G. L. AUSTIN, BA Camb., MSc PhD Cant., FNZIP

Professors
1969 ALAN R. POLETTI, MSc N.Z., DPhil Oxf., FInstP, FAPS, FNZIP, FRSNZ, CPhys
1987 D. F. WALLS, MSc N.Z., PhD Harv., FRS, FRSNZ, FOSA, FAPS, FNZIP

Associate Professors
1971 PAUL H. BARKER, BA Oxf., PhD Manc.
1975 JOHN D. HARVEY, PhD Sur., MSc, Mem.IEEE, FNZIP

1991 T. H. BARNES, MSc PhD UMIST, MSPIE, MJpnSocApplPhys
1970 GARY E. J. BOLD, BSc N.Z., MSc PhD, MNZIP, Mem.IEEE, MASA
1982 STUART G. BRADLEY, MSc PhD, MInstP(Lond), MNZIP, FRMetS, CPhys
1979 BARRY J. BRENNAN, BSc PhD, MNZIP
1970 MURRAY D. JOHNS, BSc N.Z., MSc PhD, MNZIP, Mem.IEEE, MASA
1971 GRAEME D. PUTT, BSc PhD Melb., FAIP, FNZIP, MAAPT
1990 SZE TAN, MSc PhD Camb., Mem.IEEE, AASA, MOSA
1969 Z. C. TAN, BSc N.Z., MSc PhD, CEng, MIEE
1981 PETER R. WILLIS, BSc PhD

Lecturers
1989 M. J. COLLETT, MSc Waik., PhD Essex, MNZIP
1993 JOHN DUDLEY, BSc PhD
1991 RAINER LEONHARDT, DipPhys DrRerNat Munich
1994 AMARJIT SINGH BSc DipEd Sing., MA U.C.Berkeley., MSc Cant., DPhil Waik.

Senior Research Fellow
1980 JOHN E. TITHERIDGE, MSc DipHons N.Z., PhD Camb., Sen.Mem.IEEE, CPhys, FIP(Lond.), FNZIP, FRSNZ

Honorary Research Fellows
1961 ROSS GARRETT, BA MSc N.Z., PhD, MNZIP
1969 A. C. KIBBLEWHITE, MSc N.Z., DIC PhD Lond., MInstP(Lond.), FNZIP, CPhys, FASA
1963 J. R. STOREY, MSc PhD N.Z., MNZIP, Mem.IEEE, MAAPT
1963 ROBERT E. WHITE, MSc PhD N.Z., DSc

Postdoctoral Research Fellows
1991 NELSON CHRISTENSEN BS Stan., PhD M.I.T.
1994 FIONA HARRISON BA Oxf., PhD St. And.
1993 ALAN SEED MSc Natal PhD McG.
1993 ANDREW WILSON, BSc PhD Otago
1994 HOWARD WISEMAN BSc PhD Q'id
1988 CHENG-YI WU, PhD

Tutor
1992 BERA A. E. MacCLEMENT MA Comb., MSc Guelph PhD W. Ont.

Tamaki Campus
Associate Professor
1994 MALCOLM GRIMSON, BSc E.Anglia, PhD Kent

Lecturer
1993 RUTH LYONS, MSc PhD, MNZIP

PSYCHOLOGY

Professor, Head of Department
1969 MICHAEL C. DAVISON, BSc Brist., PhD Otago, DSc., FRSNZ

Professors
1978 MICHAEL C. CORBALLIS, BA MSc N.Z., PhD McG., MA, FAAAS, FAPA, FAPS, FNZPsS, FRSNZ
1962 R. J. IRWIN, MA N.Z., PhD Tufts., FAPS, FNZPsS
1968 GRAHAM M. VAUGHAN, MA N.Z., PhD Well., FNZPsS

Associate Professors
1964 IVAN L. BEALE, MSc, N.Z., PhD
1985 DIANNE C. MCCARTHY, BA MSc PhD

Senior Lecturers
1986 C. D. BARLOW, MA PhD Brigham Young
1981 JEFFERY FIELD, BA Macq., PhD A.N.U.
1965 J. A. GRIIBBEN, MA N.Z., PhD Well.
1986 JENNIFER A. OGDEN, BSc Massey, DipSocSc N.E., MSc PhD, DipClinPsych
1988 FREDERICK W. SEYMOUR, BA Well., MA W. Aust., PhD

Lecturers
1990 FIONA M. CRAM, BA PhD PGDipPsych Otago
1992 CLAIRE M. FLETCHER-FLINN, BPsysch W.Aust., PhD LaT.
1991 NICOLA J. GAVEY, MA, PhD, DipClinPsych
1993 R. D. GRAY, BSc, PhD
1993 DAVID A. HELWEG, BA Amherst, MA, PhD Hawaii
1993 BREN T. M. JONES, MSocSci Waik., PhD Otago
1988 ANTHONY J. LAMBERT, BSc Sheff., PhD Leic.
1991 J. M. McALLISTER, MA, PhD Edin.
1994 LYNETTE J. TIPPETT, MSc, PhD, DipClinPsych

Tutors
1994 MICHAEL J. HAUTUS, MSc, PhD
1993 MERYLE HAWKINS, MA
Associate in Clinical Psychology
LINDA T. SMITH, MA

Tamaki Campus
Professor
Appointment Pending

Senior Lecturer
1994 JOHN DUCKITT, BA Cape T., MA Natal, PhD Win.
1969 BARRY J. KIRKWOOD, BA N.Z., MA Cant., PhD

Lecturers
1990 DOUGLAS M. ELLIFFE, BSc, PhD

Joint Board of Studies in Theology
Chair of Joint Board of Studies
Professor P. N. TARLING, MA, PhD, LittD Camb., FRAS, FRHistS
Honorary Dean
1993 W. T. G. JAMES, BA Well., BD M.C.D., PhD Lond.

Honorary Lecturers
1991 K. BRILL, MRE Loyola
1993 S. G. T. BULKELEY, BSc Leic., BA Ox., PhD Glas.
1994 C. A. CATHRO, BA Well., MA Duquesne
1990 K. W. CARLEY, BCom N.Z., BD Otago, PhD Lond.
1992 P. CODY, STL Greg., STD Angelicum (on leave)
1993 G. J. CONNOLLY, STL STD Angelicum
1990 J. E. CRAWFORD, BA BD DipEd Otago, STM Yale
1993 P. L. CULBERTSON, BMus Washington St. Louis, MDiv General (N.Y.), PhD New York
1990 N. P. DARRAGH, STL Urban, PhD Otago, MA
1990 A. K. DAVIDSON, BD MA Otago, PhD Aberd.

Honorary Lecturers
1993 P. DAVIS, MA Dub.
1993 T. DIBBLE, MTh Maryknoll NY
1993 J. DUNN, STL Urban, PhD C.U.A.
1993 N. J. EMSLIE, BTheol M.C.D., BA
1990 K. FENN, BA Waik., MA Collegeville Min.
1991 M. FITZPATRICK, STL STD PhD Leuven
1993 M. FOALE, BA PhD Adel. (on leave)
1990 R. GIBSON, BA N.Z., LSS STD Lateran (on leave)
1992 L. GUY, BD MCD., LLB MA
1990 E. F. I. HANSON, BA N.Z., BD Otago MTh M.C.D.
1993 M. C. LARKIN, STL Greg.
1990 C. C. NICHOLSON, BSc Cant., BA MTheol Otago, PhD Vanderbilt (on leave)
1990 H. M. O'LEARY, MA Ateneo, JCD Angelicum
1992 J. OWENS, BA Cant., PHL Angelicum, PhD Munich
1992 W. PINK, LTh Aotearoa
1992 J. L. PLANE-TE PAA, BTheol
1994 G. D. PRATT, BD Otago, PhD St And., MA
1992 G. J. RENNIE, BA
1990 M. R. RIDDELL, BD M.C.D., MTh Rauschlikon
1992 J. SALMON, BD MA PhD Otago, ThM Prin.
1992 M. SHIRRES, MA PhD
1994 S. E. SMITH, BA Cant., MTheol Maryknoll
1992 H. TATE
1994 N. VANEY, MA Cant., STL Greg., PhD Otago
CONTINUING EDUCATION, Centre for
Associate Professor, Director
1978 ROGER A. PEDDIE, MA N.Z., Dipd'EtSup Poitiers, PhD
Senior Lecturers
1992 BRIAN C. FINDSEN, BScSc MA Waik., EdD North Carolina
Appointment Pending
Lecturer
1986 CLAUDIA H. F. BELL, BA Massey, MA PhD

LANGUAGE ACQUISITION (ENGLISH)
1966 JUDITH I. A. GRANT, MA N.Z., PhD Tor., Dipd'EtSup Paris, CertPhon Inst. de Phon., Paris, LLB, DipTchg, DipELT

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Associate Professor, Head
1974 JOHN JONES, BSc PhD Wales, MA Malawi
Senior Lecturer and Teaching Development Officer
1978 ANTHONY A. MORRISON, MA PhD DipEd
Lecturer
1991 ADELE GRAHAM, MA, DipKU
Senior Tutor
1989 BARBARA M. GRANT, MA (jointly with Student Learning Centre)

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Director
1993 EMMANUEL MANALO, MSc
Senior Tutors
1989 BARBARA M. GRANT, MA (jointly with the Higher Education Research Office)
1985 BARBARA J. REILLY, BSc Well., MS Ill.
1994 JOSTA VAN RIJ-HEYLIGERS, DipTeach Delft, MA
Tutors
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1993 MEKITA BELL, BA
1994 TODD BRACKLEY, BCom BSc
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1993 RAPATA WIRI, MA
1994 'EMA WOLFGRAMM, MA

TAMAKI CAMPUS
Assistant Vice-Chancellor (Tamaki)
1969 R. F. MEYER, BE N.Z., PhD Manc., FCASI, MAIAA, FIPENZ, FRAeS

DIVISION OF ARTS
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1968 BARRY S. GUSTAFSON, MA N.Z., DipEd Massey, DipSovStud Glas., PhD

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1994 PENEOLOPE SCHOEFFEL-MELEISEA, BA P.&N.G., MA PhD A.N.U.
Lecturer
1994 OKUSITINO MAHINA, PhD A.N.U., MA

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Lecturer
1992 DONNA STARKS, BA MPhil Nfld., PhD Manit.
Tutor
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HISTORY
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1993 RUTH BARTON, MSc Well., PhD Penn.
Lecturer
1993 MATTHEW O'MEAGHER, BA Otago, MA PhD Duke

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1993 TOMOKO SHIMODA, BA Jissen, MA Syd., DipEd Tamagawa
1993 BRIAN A. VICTORIA, BA Nebraska, MA Komazawa
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1994 ATSUKO TSUKOMOTO, BA International Christian, MA Ohio

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1994 HEMI TOJA, BCA Well.

PHILOSOPHY
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1994 ROBERT NOLA, BSc N.Z., PhD A.N.U., MA MSc, MRNZS

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1994 KATHRYN LEHMAN, BA Ill., PhD Pitt.
Tutor
1994 WENDY-LLYN ZAZA, MA

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1971 LILIAN J. P. VIITAKANGAS, BBS Massey, MSc, MNZIC
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1991 TERRY HANNON, BCA BCom Well., LLB
MANAGEMENT SCIENCE AND INFORMATION SYSTEMS
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1991 JOHN PAYNTER, BCom MSc
Lecturer
1991 FELIX TAN, BCom Monash, MPhil, MNZCS, ANZIM
Tutors
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1992 SHOBA TEGGINMATH, BSc B'lore., MPhil

MANAGEMENT STUDIES AND LABOUR RELATIONS
Professor
Lecturers
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1994 GILLIAN BROCK, BSc BA Cape T., MA PhD Duke
1994 DAVID THOMAS, BSc Appalachian, MBA N. Carolina, PhD S. Carolina
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Senior Tutor
1991 LYNNE LYNDBERG, DipEd Massey, MA

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Lecturers
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Professor of Environmental Management
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Professor of Marine Science
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1994 JOHN OGDEN, MSc PhD Wales
Senior Lecturer
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CHEMISTRY
Professor
Appointment Pending
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1969 DAVID SHOOTER, MSc PhD, MNZIC

COMPUTER SCIENCE
Professor of Information Technology
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Lecturer
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1994 S. MANOHARAN, BTech I.I.T., PhD Edin.

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1977 CHRISTOPHER R. DE FREITAS, MA Tor., PhD Q'ld.
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1994 PHILIP OSBORNE, BES Wat., MSc PhD Tor.
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1994 ROSANNE MOODY, MA

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Professor of Industrial Mathematics
Appointment Pending
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Special Assistant to the Vice-Chancellor
P. N. TARLING, MA PhD LittD Camb., FRas, FRHistS
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Assistant Vice-Chancellor (Research)
D. B. GALUDD, PhD Calif., MSc

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Assistant to the Vice-Chancellor (Buildings and Site Development)
J. B. GAVIN, BDS N.Z., PhD DDS DSc Otago, FRCPath

Assistant to the Vice-Chancellor (Equal Employment Opportunities and Staff Development)
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LESLEY CAVANAGH
MAUREEN FROST, LGSM

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CAROLINE LYNCH (Mrs), BA Leeds

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CHERYL NIXON, BA Otago, DipEd, DipBusStuds Massey
LINDSAY SPEDDING, BA  
JOYCE WILLIAMS  
Senior Systems Analyst  
KEITH W. SALMON, MA  
Systems Analysts  
SUSAN COLVIN  
TYRELL HARRIS BSc Cant., DipBus, DipPE Otago  
EVAN THOMAS, BA Well.  
STEPHANIE WYNNE, BSc Waik.  

CORPORATE SERVICES REGISTRY  
Corporate Services Registrar  
PHILIP C. R. VENVILLE, BSc, MACS  
Manager, Registry Computing Services  
JOHN POWELL  
Manager, Systems Development  
STEPHEN HARESNAPE, BSc  
Analyst/Programmers  
MARK ARGENT  
HUGH FERGUSON  
KETHEES LOHESWARAN  
Database Administrator  
GARY CHILD  
Desktop and Networking Support  
GREGORY BRUMBY  
DYLAN ROGERS  
AARON STONE  
Facilities Manager, Telecommunications Office  
JOY L. GILCHRIST  

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Finance Registrar  
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Deputy Finance Registrar  
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Financial Management Accountant  
IAN R. JOHNSON, BCom, ACA  
Accountants  
ANITA B. TURNER  
ROSEMARY A. BROWN, BCom, ACA  
GREGORY T. FITZPATRICK, BCom, ACA  
Financial Operations Manager  
GRAEME R. LEWIS, BCom Otago, ACA  
Assistant Registrar (Salaries)  
MAURICE WONG SHEE  
Administrative Assistant (Salaries)  
GILLIAN JONES  
Financial Operations Accountant  
IAN A. RICHARDSON  
Data Processing Operations Controller  
FAYE GROOM  
University Cashier  
MAUREEN SIBLEY  
Credit Controller  
IRENE SLATER  
Accounts Payable Supervisor  
TRICIA NICHOLL  
GST Officer  
KATH BAXTER  
Financial Systems Manager  
LINDA M. ROBERTS  
Applications Analyst  
PHIL JEPSON  
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Manager
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PAMELA S. COWEY
Accommodation and Conference Co-ordinator
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Manager, International House
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Warden, O'Rorke Hall
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STUART VOGEL, BD MA Otago
Ecumenical Chaplin
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Roman Catholic Chaplains
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Childcare Centres
Creche 1, 2, 3 Co-ordinating Supervisor
ELAINE McCULLOCH, BA QSM
Park Avenue Childcare Centre Supervisor
DIANNE NORTON
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Director of the Counselling Services
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Counsellors
TANIA CARGO
TINA EARL-MONTGOMERY, MA, DipClinPsych
JULIAN METCALFE, MSc
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BRIDGET MINTOFT, MSocSc DipClinPsych DipBus Waik.
RAY MITCHELL, MA, DipClinPsych
JILLIAN WITTMER, MA, DipClinPsych, DipTech

Disabilities Co-ordinators
JAMES ARKWRIGHT, BA
SHERILENE ARKWRIGHT

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Student Finance Advisors
CAROLYN HARRISON
MARCELLA McCARTHY
WENDY REDDY
MARILYN THOMPSON
RAE WILKIN

Health Services
Medical Director of the Student Health Service
PATRICIA MAUGER, MBBS Lond., LRCP, MRCS

City Campus
Medical Officers
LEAH ANDREWS, MBChB, FRANZCP
ELIZABETH BAIRD, MBChB DipGUM Lond., FRACP
TIM BOWMAN, MBChB
DEBRA BROMILEY, BSc MBChB, DipObst, DipGUM
NICKI BUTT, MBChB, DipObst
PHYLLIDA COTTON-BARKER, MBChB, BPhEd, MPhil
TONY EDWARDS, MBChB, DipObst, DipSportMed
ADRIAN GRAY, MBChB, DipObst
DAVID HAY, BE MBChB
JOHN McALLISTER, BSc MBChB, DipPsych
JOHN MAYHEW, BSc MBChB, DipObst, DipSportMed, MRNZGP
VIVIENNE PETERSON, MBChB, DipObst, MRNZCGP
JOHN G. RICHARDS, MBChB, FRNZCP, FRACP, FRCPEd
KRISTEN SORRENSON, MBChB
ROSAMUND VALLINGS, MBBS, DipClinHyp

Nurses
SHIRLEY BENNETT, NZRN, RMN
SUE PARTON, NZRN, RMN
JUDI TUCK, NZRN

Practice Manager
PENNY EDWARDS

Tamaki Campus
Medical Officers
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TONY EDWARDS, MBChB, DipObst, DipSportMed
VIVIENNE PETERSON, MBChB, MRNZGP
GRAHAM WARDROPE, MBChB, FRACP

Nurses
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ANDREA SAI-LOUIE, NZRN

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Liaison Officers with Secondary Schools
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CHRISTINE M. HAMMETT, BSc S’ton.
W. GUY NASH
Liaison Officer for Women in Physical Sciences and Engineering
J. ELIZABETH GODFREY, MSc

Maori Liaison Officer
MARGARET TAURERE, BA
Pacific Islands Liaison Officer
T. AARON MARSTERS, MA

Maidment Arts Theatre
Artistic Director
PAUL MINIFIE

Overseas Students
Adviser to Overseas Students
BRIAN R. LYTHE, MA

Recreation
Director, Physical Recreation
BILL CROME, DipPE
Physical Recreation Officers
LANCE T. HADFIELD
DAVID J. SLYFIELD, BA
ROD E. GROVE, BPhEd Otago
Recreation Centre Manager
LYNDALL FRASER

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Administrative Services Manager
C. B. M. JACKSON, BA, DipLGA
Senior Accountant
Appointment Pending
Accountant
J. E. REDKNAP, NCB, NZIM
Administrative Assistant
Appointment Pending
Safety Manager
J. D. KING
Assistant Safety Manager
C. J. JOHNSON, BBS, Dip OSH

Development

Development Manager
Appointment Pending
Project Managers
C. J. SETH, BA, NZCB, Dip Tchg
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Maintenance Manager
Appointment Pending
Buildings Superintendent
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Draughting Officer
D. K. CAMPBELL
Trade Supervisors
P. JOHANSON
P. SPASIC
B. VALLELY
Grounds Superintendent
A. PALMER, NCH, DipHort
Assistant Grounds Superintendent
J. P. ADAM, DipHort, DipP&R
Custodian
L. W. TYRER
Assistant Custodians
R. KOOSACHE
G. NASH
Senior Security Officer
M. TENNENT
Carpark Controller
B. BRYAN
Transport Officer
B. LE SUEUR
Administrative Assistant
J. PIRRIE

Maintenance - Tamaki Campus

Maintenance Manager
Appointment Pending
Buildings Superintendent
Appointment Pending
Grounds Superintendent
M. WEAVER
Custodian
E. NOBLE

Technical Services

Technical Services Manager
D. R. AGATE, NZCE
Information Technology Engineer
K. G. PRISK, ME
General Information

Electrical Engineer
C. P. M. BAKKER, BE
Electrical Technician
E. MACKLE, NZCE
CCMS Technician
D. CLEVELY
Mechanical Technician
Appointment Pending
Draughting Officers
Two Appointments Pending

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Tamaki Registrar
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Faculty of Architecture Property and Planning
Faculty Registrar
D. J. S. HARVEY, BMus
Departmental Assistant (Architecture)
HEATHER LYNCH
Administrative Assistant (Finance)
SUSAN IRONS

Faculty of Arts
Faculty Registrar
GRETCHEN A. LUTZ SPALINGER, BA Calif.
Administrative Assistants
ANTHONY J. EDHOUSE, BSc Waik., DipLibr
ANGELA M. MAY, BA

Department of Anthropology
Senior Administrative Assistant
MICHELLE DONOVAN, BA Well.

Department of Education
Administrative Assistant
Appointment Pending

Department of English
Administrative Assistant
WALTER FRASER, BA SPac., DipCom

Department of History
Administrative Assistant
DIANA K. HOLMES, BA

Faculty of Commerce
Faculty Registrar
STEPHEN CLEMENTS, MBA Liv., Cert Ed Brist.
Senior Administrative Assistants
FRANK KEATON, BSc Seattle, MBA
H. SMEETON (Mrs), BA Otago

Faculty of Education
Faculty Registrar
JOANNE B. WILLIAMSON, BA

Faculty of Engineering
Faculty Registrar
JILLIAN M. REID, BA LLB DipCrim

Senior Administrative Assistant
MARJORIE WOODS
Administrative Assistants
MAX BAGGALEY
M. ELIZABETH SHARLAND

Geothermal Institute
Senior Administrative Assistant
OSCAR HUIJSSE

Faculty of Fine Arts
Administrative Assistant
ANNE MORONEY (Mrs), BA Massey

Faculty of Law
Faculty Registrar
STEPHEN F. PENK, MA PGDA Otago, BA
Administrative Assistant
GEORGE GAVET
Faculty of Medicine and Human Biology
Faculty Registrar
SUSAN CATHERSIDES, BA
Faculty Registrar (Resources)
IAN HOUSTON
Administrative Assistant
TINA SMITH
Faculty of Science
Faculty Registrar
MICHAEL P. THOMAS, BA, ANZIM
Administrative Assistants
KATHRYN EDGAR, BA
ROY HARDIE, ACIS Lond.
School of Biological Sciences
School Registrar
SANDRA JONES, BA Q’ld., DipBusStuds Massey
Administrative Assistant
K.R. JENNINGS, MA
School of Mathematical and Information Sciences
School Registrar
DEIRDRE ELLIOTT, BA Otago
Leigh Laboratory
Administrative Assistant
ARTHUR L. COZENS, DipAgr Massey
Department of Chemistry
Administrative Assistant
TINEKE LIEBREGS, Drs Amst.
Department of Geography
Administrative Assistant
GAEL P. ARNOLD
Department of Optometry
Administrative Assistant
ANNE DAVIS, MA
Department of Psychology
Senior Administrative Assistant
YYONNE O’BRIEN
Theology
Joint Board of Studies
Auckland Consortium for Theological Education
Consortium Registrar
FELICITY A. HOPKIN, LLB Liv., MIAM
Executive Assistant
LORNA MUIRHEAD
Centre for Continuing Education
Senior Continuing Education Officers
ANNE DAVIS, MA
GEORGE DIBLEY, BA, DipArts
Continuing Education Officers
JOAN DIAMOND, BA
HELEN HAGEN, BA
MURRAY O’BRIEN, BA
BARRY WILLIAMS, BCA Well.
Assistant Continuing Education Officers
MEKITA BELL
CATHERINE M. HENDERSON, BA
LYNN LANDER, BA
GARY TOMLIN, BSc
Higher Education Research Office
Administrative Assistant
1989 SEAN MILLAR, MA DipBIA

AUCKLAND UNISERVICES LTD
Chief Executive Officer
JOHN A. KERNOHAN, PhD Boston, MSc
Operations Manager
MARK P. D. BURGESS, MSc Well.
Contracts Manager
NIELS C. GEDGE, BA
Manager, Engineering Contracts
KEITH JONES, MSc Cran.I.T
Manager, Medical Contracts
A. B. (SANDY) FERGUSON, BVSc Syd., BAgri NZ., MRCVS

Manager, Commerce & Law Contracts
SIMON JAMES MSc MBA, DipTchg.

Administrative Assistant
JOANNE W. HUNTER

COMPUTER CENTRE

Director
JOHN C. B. WHITE, MSc NZ., PhD A.N.U.

Deputy Director
J. NEVIL BROWNLEE, MSc PhD, Mem.IEEE

Operations Manager
PRAK N. BHANA

Business Manager
IAN R. GAUSEL

Senior Computer Programmers
ALASTAIR R. ANDERSON, BSc A.N.U., DipCompSc W'gong., DipEd Monash
DAVID E. ASH
RUSSELL J. FULTON, BSc DipCompMaths Dal.
PAUL R. GRAY
RAYMOND W. L. MARTIN, BSc A.N.U.
FREDERICK J. NUTTALL, BSc Waik.
HOWARD A. ROSS, BSc York (Can.), MSc Brock, PhD
RUSSELL STREET, BSc
OWEN G. TUMULTY
DON WHITESIDE

Tamaki Computer Laboratory

DAVID McLEAN

CENTRE FOR INFORMATION STUDIES

Director
Appointment Pending

Project Managers
M. A. FORTH, BSc
D. J. HUGHES, DipBus
ACTS OF PARLIAMENT

EDUCATION ACT 1989

The University, like all tertiary education institutions, is subject to the provisions of the Education Act 1989 (as amended by the Education Amendment Act 1990). This Act specifies the constitution and powers of the Council and various other matters relating to the administration of tertiary institutions. Copies of the Act are available from the Government Bookshop.

UNIVERSITY OF AUCKLAND ACT 1961

ANALYSIS

Title
1. Short Title and Commencement
2. Interpretation
3. Constitution of the University
4. University District and Court of Convocation

Powers of the Council
20. Award of certificates, etc.
21. Lectures to members of the public

AN ACT TO CONSOLIDATE AND AMEND CERTAIN ENACTMENTS OF THE GENERAL ASSEMBLY RELATING TO THE UNIVERSITY OF AUCKLAND

BE IT ENACTED by the General Assembly of New Zealand in Parliament assembled, and by the authority of the same, as follows:

1. Short Title and Commencement

(I) This Act may be cited as the University of Auckland Act 1961.

(2) This Act shall come into force on the first day of January, nineteen hundred and sixty two.

2. Interpretation

In this Act, unless the context otherwise requires:

'The Council' means the Council of the University of Auckland constituted in accordance with Part XV of the Education Act 1989:

'Lecturer' means a member of the staff of the University of Auckland who is in terms of his appointment an associate professor, a reader, a senior lecturer, or a lecturer of the University; and includes such other persons and classes of persons as the Council from time to time determines:

'Minister' means the Minister of the Crown for the time being responsible for the administration of this Act: 'Professor' means a professor of the University of Auckland; but does not include an associate professor:

'The Registrar' means the Registrar of the University of Auckland:

'The University' means the University of Auckland constituted under this Act.

3. Constitution of the University

(I) For the advancement of knowledge and the dissemination and maintenance thereof by teaching and research there shall be a University to be called the University of Auckland.

(2) The University shall consist of the Council, the professors emeriti, the professors, lecturers, junior lecturers, Registrar, and librarian of the University for the time being in office, the graduates and under-graduates of the University of New Zealand whose names are for the time being on the register of the Court of Convocation of the University of Auckland, and such other persons and classes of persons as the Council may from time to time determine.

(3) The University shall be a body corporate with perpetual succession and a common seal, and may hold real and personal property, and sue and be sued, and do and suffer all that bodies corporate may do and suffer.

(4) The University established under this Act is hereby declared to be the same institution as the institution of that name existing immediately before the commencement of this Act under the University of Auckland Act 1954 (as amended by the University of Auckland Amendment Act 1957), which institution was originally established under the name of the Auckland University College under the Auckland University College Act 1882.

4. Court of Convocation

(1) – repealed
(2) – repealed
(3) There shall be a Court of Convocation of the University.
(4) The said Court of Convocation shall consist of the persons whose names are enrolled on a register to be kept by the Registrar.
(5) Every person shall be entitled to have his name enrolled on the register of the Court of Convocation of the University who
(a) Is a graduate of the University; or
(b) Being a graduate of the University of New Zealand either by examination at any time or by reasons of having been admitted ad eundem gradum before the first day of January, nineteen hundred and forty-three, is not by reason of that qualification, enrolled on the register of the Court of Convocation of any other University, and is otherwise qualified in accordance with statutes made by the Council to be enrolled on the register of the Court of Convocation of the University; or
(c) Not being such a graduate, is a professor or graduate full-time member of the staff of the University or a graduate member, approved by the Council as being of University status, of the staff of an institution affiliated to the University; or
(d) Is otherwise entitled in accordance with statutes made by the Council to have his name enrolled on the said register.
(6) The power of the Council under Section 194 of the Education Act 1989 to make statutes extends to making statutes for the keeping of the register of the Court of Convocation, which statutes may include provisions prescribing the persons and classes of persons who are eligible under paragraph (b) or paragraph (d) of subsection (5) of this section for membership of the said Court of Convocation and the conditions (whether as to payment of fee or otherwise) on which persons are entitled to have their names enrolled in the register of the said Court; and, subject to this Act and to the said statutes, if any, the said Court shall have power to make such rules for the conduct of its business as it thinks fit as the Council may determine.
(7) The said Court may make representations to the Council on any matter concerning the interests of the University.
Sections 5 to 19 - repealed
20. Awards of Certificates, etc.
The Council shall have power, under such conditions as it thinks fit, to award certificates, fellowships, scholarships, bursaries and prizes, and to make other awards.

21. Lectures to Members of the Public
The Council shall have power to provide such lectures and instruction for any persons, whether or not they are members of the University, as it thinks fit, and on such conditions as it thinks fit, and may award certificates to any of them.

Sections 22 to 53 - repealed

UNIVERSITY STATUTES

COURT OF CONVOCATION REGISTER STATUTE 1990

Pursuant to section 4 of the University of Auckland Act 1961 as amended by the Education Act 1989.

1. This Statute may be cited as the Court of Convocation Register Statute 1990.

2. The Registrar of the University shall prepare and maintain a register to be known as the Register of the Court of Convocation for the University of Auckland and shall (subject to section 5) enter on the register the names and addresses (so far as such addresses are known) of all persons entitled to be enrolled under section 4 of the University of Auckland Act and under section 3 of this Statute.

3. Under and for the purposes of subsection 5 of section 4 of the University of Auckland Act each person shall be entitled to have his or her name enrolled on the Register of the Court of Convocation (without fee) who being a graduate of the University of New Zealand either by examination at any time or by reason of having been admitted ad eundem gradum before the 1st day of January, 1943, is not by reason of that qualification enrolled on the Register of the Court of Convocation for any other University in New Zealand, and

   (i) under section 23A of the New Zealand University Act 1908 was enrolled or entitled to be enrolled on the register of the Court of Convocation of the University of Auckland at the 31st day of December, 1961, or
   (ii) was an undergraduate member of the University of Auckland at the 31st day of December, 1961, and became a graduate of the University of New Zealand after that date, or
   (iii) at a date after the 31st day of December, 1961, and immediately before had resided in the Auckland University District for a period of not less than three calendar months.

4. Except as provided in section 5 of this Statute it shall not be necessary for any person entitled to be so enrolled on the register to apply for enrolment.

5. Every person who is entitled to be enrolled on the register under paragraph (iii) of section 3 of this Statute may apply to the Registrar for enrolment and upon making that application and producing such evidence of the facts and matters entitling him or her to enrolment as the Registrar may reasonably require shall be enrolled on the register.

6. A member of the Court may, by notifying the Registrar in writing, elect not to receive voting papers for the purpose of conducting elections to the Council by the Court, but may at any subsequent time advise the Registrar by notice under his or her hand that they wish to receive voting papers for an election.

7. Any enrolled member of the Court may, by notice under his or her hand delivered to the Registrar, object to the register on the grounds that any person whose name is on the register does not possess the necessary qualifications.

8. The Registrar shall enquire into and decide whether to uphold or dismiss any such objection forthwith after receiving it.

9. Any person aggrieved by any decision or act of the Registrar relating to the register may appeal therefrom to the Council by notice under his or her hand, addressed to the Chancellor, and delivered at the University not later than 5 o’clock on the afternoon of the seventh day after the day on which the register is to be closed for the purposes of an impending election.

10. The Registrar shall expunge from the register the name of any person who has died or has ceased to be entitled to be enrolled thereon.

II. (a) Any member of the Court having changed his or her address shown on the register may request the Registrar to amend the register in respect of that address provided that the Registrar shall forthwith post notices of that amendment to the member at both the old and the new address.

(b) The Registrar being satisfied (otherwise than under the preceding paragraph (a) of this section) that the address of a member of the Court has been changed may amend the register in such manner as the Council or the Committee when deciding the appeal directs.

11. (a) Any member of the Court having changed his or her address shown on the register may request the Registrar to amend the register in respect of that address and the Registrar shall make such amendment accordingly.

(b) The Registrar being satisfied (otherwise than under the preceding paragraph (a) of this section) that the address of a member of the Court has been changed may amend the register in respect of that address provided that the Registrar shall forthwith post notices of that amendment to the member at both the old and the new address.

12. The Registrar shall expunge from the register the name of any person who has died or has ceased to be entitled to be enrolled thereon, and shall be entitled to make on request any amendment of name made necessary by marriage, deed poll or other lawful reason.

13. The Court of Convocation Statute 1962 is hereby repealed.

THE COUNCIL ELECTIONS (COURT OF CONVOCATION REPRESENTATIVES) STATUTE 1990

Pursuant to section 4 of the University of Auckland Act 1961 as amended by the Education Act 1989.

1. This Statute may be cited as the Council Elections (Court of Convocation Representatives) Statute 1990.

2. For the purpose of conducting the elections to the Council by the Court of Convocation an electoral roll containing the names of those members of the Court who are eligible to vote shall be prepared and revised from time to time in accordance with this Statute.

3. The members of the Court who are eligible to vote at an election by the Court are those members (but no other members) who

   (a) voted at the last two preceding elections
   (b) (having had their names entered on the Court register since the penultimate election) voted at the last preceding election
   (c) have had their name entered on the Court register since the last preceding election
   (d) (not being in any of the foregoing categories) apply for a voting paper by letter delivered or posted to the Returning Officer so as to be received by that officer on or before 5 o’clock in the afternoon of the twenty-first day preceding the day on which the election is to be held.

4. In this Statute and the forms contained herein: ‘the roll’ means the electoral roll prepared in accordance with this Statute.
'elector' and 'voter' respectively refer to those members of the Court whose names are for the time being entered on the electoral roll.

The Returning Officer shall be the Registrar of the University.

5. The date of election shall be determined by the Returning Officer and reported to the Council.

6. Whenever any election is to be held the Returning Officer shall (not less than thirty-five days before the election) by notice in at least two newspapers, published in the City of Auckland, call for nominations of candidates to be lodged with the Returning Officer on or before a day, to be fixed by the Returning Officer, being not less than ten days from the date of the first advertisement, which notice shall be in the following form (or form to the like effect):

---

**THE UNIVERSITY OF AUCKLAND**

Election of Member(s) of the Council by the Court of Convocation for the University of Auckland.

An election of member(s) will be held at 5.00 p.m. on the .................. day of .......... 19 ................ at the office of the Registrar of the University, Princes Street, in the City of Auckland.

No person shall be recognised as a candidate at this election unless he or she shall have been previously nominated in a document signed by two electors, and unless such nomination paper shall have been delivered to the Returning Officer by postal delivery or otherwise not later that 5.00 p.m. on the .................. day of .................. 19 .................

The roll of electors will remain open for inspection and additions until 5.00 p.m. on the twenty-first day before the election and will then be closed. Immediately thereafter the Returning Officer will issue the voting paper to such voters as are shown on the roll with sufficient postal address (of which the Returning Officer shall be the sole judge).

....................................................... Returning Officer

---

7. The roll shall be closed at 5 o'clock in the afternoon of the twenty-first day immediately preceding the day on which an election is to be held and shall continue to be closed until the election is completed; and no name shall be entered on the roll while it is closed.

Immediately thereafter the Returning Officer shall issue the voting papers simultaneously to such voters as are shown on the roll with sufficient postal address (of which the Returning Officer shall be the sole judge); nor shall any voting paper be sent to any person whose address is not within New Zealand.

8. Notwithstanding anything above set out, the Returning Officer shall issue a voting paper to any elector whose name appears on the roll and who shall apply in writing to the Returning Officer for a voting paper on the ground that his or her voting paper has been issued to that elector.

9. The votes shall be given by sealed voting papers issued by the Returning Officer in the form prescribed by this Statute, delivered to the Returning Officer on or before the day and time fixed for holding the election, or posted to the Returning Officer in a sealed envelope on or before that day.

10. Nomination shall be made by two persons qualified to vote and shall contain the written consent of the candidate to his or her nomination.

II. Nomination shall be in the following form (or in a form to the like effect):

---

**THE UNIVERSITY OF AUCKLAND**

Election to be held on the .................. day of .................. 19 ................ of Members of the Council by the Court of Convocation for the University of Auckland.

We .................. and .................. being duly qualified voters, hereby nominate .................. for election to the Council by the Court of Convocation for the University of Auckland.

Date ..................

I consent to the above nomination ..................

---

12. Each candidate for election may submit to the Registrar with his or her nomination papers a short statement about the candidate:

(i) The statement shall not exceed 250 words.

(ii) The statement shall include the name, occupation, residence, degrees, academic posts held, publications and any other relevant information about the candidate.

(iii) The Returning Officer shall ensure that the information in each statement is forwarded to each elector with the voting paper.

13. If the nominations received do not exceed the number of vacancies, the Returning Officer shall declare the candidate(s) duly elected.

14. Every voting paper shall be in the form following or to the like effect, that is to say:

---

**VOTING PAPER**

**COUNCIL OF THE UNIVERSITY OF AUCKLAND**

**ELECTION OF MEMBERS**

By the Court of Convocation for the University of Auckland

**Directions**

There are .................. vacancies. The voter may vote for any number of candidates up to the maximum number of candidates to be elected.

The voter is to put a cross (x) in the square beside the name of each candidate for whom he or she desires to vote.
15. Every voting paper shall be forwarded to the voter accompanied by an envelope, addressed to the Returning Officer. The voter must complete the panel on the back of envelope:

THE VOTER MUST SIGN HIS/HER NAME AND COMPLETE THE ADDRESS PANEL BELOW.

I, ........................................................................................................

(Full name in block letters)
declare that I am not, by reason of my being a graduate of the University of New Zealand (either by examination at any time or by admission ad eundem gradum before 1 January, 1943), enrolled on the register of the Court of Convocation of any University in New Zealand other than the University of Auckland.

SIGNATURE OF VOTER .
ADDRESS .............................................................
(I request the Registrar to record my address on the roll as above.)
If recorded on University records under another name, e.g. maiden name, please state

16. The poll shall close at 5 o'clock on the afternoon of the day of the election; but all voting papers shall be included and counted which are received by the Returning Officer in due course by post before the close of the sixth day after the day of the election, provided the Returning Officer is satisfied that the paper was posted in accordance with the provisions of Section 9. On the seventh day after the day of the election the Returning Officer shall open and count the votes. As soon as the voting papers have been checked with the Roll the name and address shall be removed from each voting paper before the votes are counted.

17. Each candidate shall be entitled to nominate a scrutineer, who shall have the same rights and duties as those vested at the date of the poll in a scrutineer at any poll of the Auckland City Council.

18. Upon completion of the counting of votes, the Returning Officer shall forthwith declare the results of the poll.

19. The Returning Officer shall, subject to the provisions herein contained, determine conclusively all questions of detail concerning the election.

20. The Returning Officer is authorised to destroy the voting papers after a lapse of three months from the date of the official announcement of the result.

21. The Council Elections (Court of Convocation Representatives) Regulations are hereby repealed.

FELLOWS OF THE UNIVERSITY OF AUCKLAND STATUTE 1992

This 17th day of August 1992, pursuant to its powers under section 194 of the Education Act 1989 the Council of the University of Auckland makes the following statute:

1. This Statute may be cited as the Fellows of the University of Auckland Statute 1992.

2. The Council may at its discretion confer the honour and title of "Fellow of the University of Auckland" on a person who:
   (a) has made a unique and valuable contribution to the University; and
   (b) is not a permanent member of the staff of the University.

3. A nomination that a person be honoured as a Fellow of the University shall be made confidentially in writing to the Vice-Chancellor, signed by not less than three persons, each of whom shall be a permanent member of the staff of the University or a member of the Council.

4. Each nomination shall be accompanied by a statement of the relevant aspects of the nominee's career, particularly the ways in which the nominee has contributed to the University, and shall clearly state the grounds for the nomination.

5. The Vice-Chancellor shall submit each nomination to the Fellows Committee which shall advise the Education Committee of the Council and the Council of its recommendation on each nomination.

6. The Fellows Committee shall comprise:
   2 members appointed by the Council
   2 members appointed by the Senate
   The Registrar
   1 member of the General Staff appointed by the General Staff Committee of the Council
The President of the University of Auckland Students' Association (or his or her nominee)

7. The Council shall by resolution determine those persons to be honoured as Fellows of the University of Auckland.

8. The title "Fellow of the University of Auckland" shall be conferred by the Chancellor, or such other person as has been approved by the Council to confer degrees and award diplomas, at the annual graduation ceremony or at any other function approved by the Council for this purpose.

9. A Fellow of the University shall be entitled to wear a special gown (as prescribed by Statute) at the ceremony when the award is conferred and on any other University occasion when academic dress is worn.

10. The Council may from time to time advise the Fellows Committee of its views regarding:
   (a) the number of awards of the title of Fellow of the University of Auckland which may be made at any time;
   (b) the nature and the extent of the information required in the statement which supports a nomination for an award; or
   (c) such other matters relating to the award as Council may determine.

Legislation, University of Auckland Act 1961
Legislation, Court of Convocation Register Statute 1990
# General Statutes and Regulations

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GENERAL STATUTES AND REGULATIONS

ADMISSION REGULATIONS

Prerequisites and Conditions

1. Subject to the Council’s statutory powers to decline enrolment (whether for insufficiency of accommodation or of teachers or for other cause) and to Regulation 2, a person is qualified to matriculate (that is, to be admitted to the University and enrolled on its books as a student) if that person:
   (a) has satisfied the requirements for entrance to a university in New Zealand; or
   (b) is granted admission on transfer from another university in New Zealand; or
   (c) is granted Special Admission; or
   (d) is granted Provisional Entrance; or
   (e) is admitted Ad Eundem Statum.
2. Unless the Senate approves otherwise a person who has not reached the age of 16 years by the 31 December in the year preceding that in which admission is sought shall not be eligible to enrol at this University.
3. A person seeking to matriculate shall comply with the Pre-enrolment Application Regulations.

Concurrent Enrolment at another Educational Institution

4. Unless the Senate approves otherwise, no candidate shall be eligible to be enrolled at this University who:
   (a) is on the books of another University, Polytechnic or other Tertiary Institution
   (b) is enrolled for full-time instruction in a Secondary School, Area School or District High School.

Matriculation

5. At matriculation (that is, on admission to the University and being enrolled on its books) every student shall make the following declaration: "I promise to obey the Statutes and Regulations, and comply with requirements of The University of Auckland".

Personal Interest Course

6. (a) A person who has a personal interest in a paper or papers but who is ineligible for admission in accordance with Regulation 1 of these Regulations may make application in accordance with the Pre-enrolment Application Regulations and, subject to Regulation 4 and Senate approval, enrol in a paper or papers and sit the University examinations.
   (b) A student who passes a paper in which he or she is enrolled under (a) above and who subsequently is eligible for admission in accordance with Regulation 1 of these regulations may have such a paper credited towards a degree or diploma provided that all the necessary conditions for such a degree or diploma were fulfilled at the time that paper was passed.

Admission Ad Eundem Statum

Students from another university in New Zealand

7. (a) (i) A student from another university in New Zealand who wishes to enrol at The University of Auckland, including a student who may have been enrolled at The University of Auckland in a previous year, shall submit a pre-enrolment form in accordance with the Pre-enrolment Application Regulations.
   (ii) The University may grant such credits or exemptions as it considers appropriate towards a degree or other qualification of The University of Auckland on the basis of work successfully completed by the applicant at the previous university. Prerequisites may be prescribed as a condition of the approval to proceed to a higher degree or diploma.
   (iii) A student who has completed the major subject requirement for a degree or other qualification of another university in New Zealand may apply to take papers for Certificate of Proficiency at The University of Auckland for credit towards the degree or other qualification of that university. Before an application under this Regulation will be considered the student must produce evidence from the other university that the paper or papers taken at The University of Auckland will fulfill the requirements of the degree or other qualification being taken.
   (iv) A student admitted under these Regulations must comply with Regulation 13 of the Enrolment and Course Regulations (General), with all the other Regulations of the Enrolment and Course Regulations (General) appropriate to his or her course, and with the Examination Regulations.
   (b) Students from institutions other than a New Zealand university
      A person who wishes to enrol at The University of Auckland and
      (i) has gained appropriate qualifications validated by NZQA or
      (ii) has gained qualifications from an overseas institution
      may be granted admission Ad Eundem Statum by this University
      (i) at entrance level;
      (ii) with credits towards the course for a Bachelor’s Degree or a diploma for work which in the opinion of the Senate is substantially corresponding or equivalent;
      (iii) to the status of a degree holder or diploma holder with the right to proceed to a specific higher degree or diploma with or without Honours.
      A person seeking admission Ad Eundem Statum shall apply by completing the prescribed form and submitting it with the prescribed fee to the Registrar not later than 8th December in the year preceding that in which admission is sought.
      Credits may be specified or unspecified and the grant of admission may include permission to advance in specified subjects. Prerequisites may be prescribed as a condition of the approval to proceed to a higher degree or diploma.
8. All applications under Regulations 6 and 7 shall be accompanied or supplemented by such evidence as the Senate may require as to:
   (a) identity
   (b) academic standing, and
   (c) any degree or diploma obtained by the applicant from another institution.

Special Admission

9. A person who does not hold a university entrance qualification but who is a New Zealand citizen or permanent resident and has attained the age of 20 years by 31 December in the year preceding that for which application is made may be granted Special Admission to any course of study. The Senate may waive that age requirement where the applicant is in its opinion otherwise fit to be admitted and in particular has:
   (a) satisfied any qualification for admission specified in the regulations for that course of study; or
(b) completed two years of study at a College of Education and attained a sufficient standard therein; or
(c) obtained any other qualification which may be approved by the Senate.
A person seeking Special Admission to the University shall apply for it in accordance with the Pre-enrolment Application Regulations, submit evidence of age and educational qualifications, and pay the prescribed fees.

Provisional Entrance
10. (a) A person who is a New Zealand citizen or permanent resident but does not hold a university entrance qualification may be granted Provisional Entrance to any course of study if that person
(i) is 16 years of age and is under 20 years of age by 31 December of the year preceding that in which admission is sought and
(ii) has received secondary schooling to at least New Zealand Form 6 level, or its equivalent overseas, and been awarded Sixth Form Certificate in at least one subject, or its equivalent (see Note), and
(iii) not, in the year of application, entered examinations in more than two subjects of the NZUEBS qualification.
(b) The entrance qualification shall cease to be provisional when the student has passed one year’s full-time study or its equivalent
(i) While the entrance qualification remains provisional a student may enrol only for papers or subjects of the course of study for which permission is granted.
(ii) When the entrance qualification ceases to be provisional the student may enrol for any other course of study subject to any requirement for enrolment in that course.

A person seeking Provisional Entrance to the University shall apply for it in accordance with the Pre-enrolment Application Regulations, submit evidence of age and educational qualifications, and pay the prescribed fees.

Note: Persons applying on the basis of overseas schooling may be required to provide evidence of competence in the English language.

PRE-ENROLMENT APPLICATION REGULATIONS

1. Every person intending to enrol or to re-enrol in the University shall give notice of that intention by completing the Pre-enrolment Application Form and submitting it to the Registrar to be received:
   (i) by 7 December 1994 for all applicants who were not enrolled at The University of Auckland in 1994, or
   (ii) by 6 January 1995 for all applicants who were enrolled at The University of Auckland in 1994, or
   (iii) by the date specified in the Schedule for certain limited entry courses and papers requiring an earlier closing date.

2. The Pre-enrolment Application Form also includes the following categories:
   (a) Persons seeking Special Admission.
   (b) Persons seeking Provisional Entrance.
   (c) Students wishing to transfer from another New Zealand University.
   (d) Students who come under the Unsatisfactory Academic Progress Regulations and need the special permission of Senate to enrol.
   (e) Persons seeking to enrol who are ineligible to matriculate (Personal Interest Course).

Note: For the fees prescribed for categories (a) (b) (c) (d) and (e) see Fees Regulations in this Calendar. There are no fees for other categories submitted on or before the closing date. Applications received after the specified closing dates will be given last priority in consideration for places in limited entry courses and/or papers. Additionally, applications received after 6 January 1995 will incur a late fee (see Fees Regulations in this Calendar).

ENROLMENT AND COURSE REGULATIONS (GENERAL)

Dates of Terms
1. (a) There shall be in each year three terms. The first term shall begin on the first Monday after 25 February and shall end on the Saturday preceding the 19th Monday of the calendar year. The second term shall begin on the 22nd Monday of the calendar year and shall end on the Saturday of the 11th week thereafter. The third term shall begin on the 36th Monday of the calendar year and shall end on 31 October of each year. The Easter recess shall extend from Good Friday to the Tuesday of Easter week, both days inclusive. The mid-term break during the second term shall consist of the whole of the 6th week.
(b) For the purpose of the holding of such examinations as may be required at the conclusion of the University year, lectures and laboratory courses shall normally cease about the end of the fifth week of the third term in each year.
(c) Lecture and laboratory courses in Engineering shall be suspended for the fourth and fifth weeks of the second term and shall end in the seventh week of the third term.

General Course Provisions
2. (a) Subject to the Admission Regulations and to the express provisions of any other regulations every candidate for a degree, diploma or certificate course shall be required to:
   (i) be a matriculated student of the University;
   (ii) follow the prescribed course of study in the order prescribed or indicated in accordance with the regulations governing the course;
   (iii) carry out the prescribed practical work (if any);
   (iv) comply with the provisions of the Examination Regulations;
   (v) pass the prescribed examinations.
(b) The personal course of study of every candidate shall require the approval of the Senate provided that:
   (i) the Senate may delegate to the Dean of the Faculty within which the student is enrolled the power to give such approval;
   (ii) the Senate may in exceptional circumstances approve a personal course of study which does not in every particular satisfy the regulations for the degree or diploma for which the student is enrolled;
   (iii) any person who produces evidence to the satisfaction of the Senate of inability to attend classes and who wishes to take any paper or papers the equivalent of which is not available by extramural enrolment at Massey University may in exceptional circumstances be permitted to enrol at The University of Auckland with such dispensations and upon such conditions as the Senate thinks fit;
   (iv) where approval of a personal course of study has been withheld by a decision of the Dean acting under delegation of that power the student may appeal to the Senate against that decision;
   (v) where options are prescribed for a course of study the Senate may at its discretion determine which of them shall be available in any year; provided always that sufficient options shall be available to enable a candidate to complete his or her course.
(c) Where in the opinion of a Head of Department an insufficient number has enrolled for a paper taught in the Department or there are insufficient staff to teach it, that Head of Department may, with the approval of the Dean of the Faculty, withdraw that paper for the current year within one week of the beginning of the first Term, if the essential prerequisites for any candidate's course of study are not thereby affected. No candidate shall be charged a fee for any change of course required because of the withdrawal of a paper.

(d) In relation to the time limit for the presentation of a dissertation, research essay, or thesis, 'academic year' shall in these and all other regulations of the University, unless the context requires otherwise, mean the period from the first day of March in one calendar year to the last day of February in the calendar year next following.

(e) Except (i) as provided in the Extramural Enrolment Statute 1991 and the Extramural Enrolment requirements and (ii) otherwise with the special permission of the Senate, no student shall enrol or continue to be enrolled at The University of Auckland while enrolled at any other university.

Eligibility to Enrol

3. (a) Students entitled to enrol at The University of Auckland subject to pre-enrolling and places being available, and who otherwise fulfil the eligibility requirements shall include:
(i) those previously enrolled whose official record remains at this University;
(ii) those who wish to enrol for the first time at a university.
Each student shall be subject in enrolment to any restrictions or conditions imposed by the Senate or by the Faculty or Faculties in which he or she enrolls.

(b) Students who may be permitted by the Senate to enrol at The University of Auckland, subject to pre-enrolling and places being available, and who otherwise fulfil the eligibility requirements shall include:
(i) those who have failed to make satisfactory academic progress in their university studies under Regulation 13 of these Regulations;
(ii) those transferring from another university in New Zealand;
(iii) those who wish to enrol to complete the course requirements of another university in New Zealand;
(iv) overseas students granted Ad Eundem Statum with credits; or
(v) those overseas students selected for admission at entrance level.

Each student permitted to enrol shall be subject in enrolment to any restrictions or conditions imposed by the Senate or by the Faculty or Faculties in which he or she enrolls.

Enrolment

4. (a) Every internal student shall enrol at the university in person or by mail where such procedures apply before the beginning of the first term in accordance with the enrolment timetable published in this Calendar; provided that where the student is by reason of illness or of any exceptional circumstances beyond his or her control, unable to enrol in due time, he or she may with the permission of the Senate enrol late without penalty if he or she:
(i) applies for that permission on or before 31 January, or as soon as reasonably possible in any case where it is after that date that the student becomes ill or the exceptional circumstances arise; and
(ii) produces with the application a medical certificate or reasonable evidence of the exceptional circumstances relied upon.

(b) Students whose dissertations, research essays, or theses for a degree or diploma are incomplete shall be required to re-enrol at the beginning of each academic year until the dissertation, research essay, or thesis is presented.

(c) (i) Candidates for the Diploma in Gynaecology and Obstetrics must complete a formal enrolment and pay the prescribed fees not later than 1 March for the June examination or 1 September for the December examination.
(ii) Candidates for the Diploma in Obstetrics must complete a formal enrolment and pay the prescribed fees not later than 1 March for the June examination or 1 September for the December examination.
(iii) Candidates for the final year of the Degree of Bachelor of Medicine and Bachelor of Surgery must complete a formal enrolment and pay the prescribed fees not later than 15 November or such date as approved by the Senate for the commencement of the Trainee Internship year.

(d) Extramural students shall enrol in accordance with the provision of the Extramural Enrolment Statute and requirements.

(e) Students who have applied for Ad Eundem Statum Admission, or Special Admission to be eligible to matriculate, and who have not received a decision before the beginning of enrolment week, shall enrol and pay fees as if their application has been granted. If the application is refused they shall be admitted as non-matriculated students to lectures and laboratories only; provided that the enrolment may be cancelled and the fees fully refunded if within fourteen days of the posting to them of notice of refusal they lodge at the Registry an appropriately completed 'Alteration to Course' form.

(f) Students who were last enrolled at another university in New Zealand and wish to enrol at The University of Auckland may make an application in accordance with the Pre-enrolment Application Regulations:
(a) to transfer to The University of Auckland
(b) to take papers for Certificate of Proficiency to complete a degree or diploma of another New Zealand university.

Exceptions

5. (a) No student shall be enrolled in the same year for more than two distinct courses of study for degrees and diplomas. A student enrolling for two such courses of study shall be permitted to sit for examination in only two papers or their equivalent more than the maximum allowed in either course of study.

(b) (i) No student shall be enrolled in the same year for papers the content of which is substantially similar.
(ii) No student shall be enrolled in any paper already credited to a course of study or in any paper the content of which is substantially similar to any paper for which credit has been received provided that in exceptional circumstances the Senate may permit such enrolment for Certificate of Proficiency.
(iii) No work submitted for credit towards the result in any course or paper may be resubmitted in respect of any other course or paper.
(iv) For the purposes of sub-paragraphs (i) and (ii) above substantially similar papers are not limited to those that are specifically restricted under any regulations for a course of study.

(c) Subject to the provisions of the Regulations for any degree or diploma no student shall be enrolled in two stages of a subject in the same year, provided that the Senate may waive this requirement in the case of a student of proven merit.
6. (a) Each student (except for DipG&O, DipObst, final year MBChB and those able to complete enrolment by mail) shall enrol on
the appropriate day and morning or afternoon as set out in the enrolment timetable. Provided that subject to the availability
of papers and on payment of the prescribed late fee and penalties as Senate may in its discretion impose, an enrolment may be
accepted after the day prescribed.
(b) Each student for the Diploma in Gynaecology and Obstetrics or the Diploma in Obstetrics shall enrol not later than 1 March for
the June examination or 1 September for the December examination in that year.
(c) Each student for the final year for the Degree of Bachelor of Medicine and Bachelor of Surgery shall enrol by 15 November
or such later date as approved by the Senate.

Choice of Course of Study

(d) The courses of study of those enrolled after the date prescribed will be determined by the Senate and will not necessarily conform
with those proposed by the students concerned. In determining such courses, the Senate will have regard to the prior claims upon
both laboratory and classroom space of those students who have enrolled at the approved time.

PhD Enrolments

(e) The provisions of this Regulation do not apply to enrolments for the Degree of Doctor of Philosophy.

Alterations to Course of Study

7. Adding

Any candidate who has completed enrolment and wishes to add a paper must apply on the appropriate form and obtain the approval
of the Head of the relevant Department for any paper which the candidate wishes to enter and thereafter of the Dean of the Faculty
for the course of study. Each application must be accompanied by the prescribed fee and submitted to the Registry not later than the
date set out in Regulation 11. Late applications may be accepted in exceptional circumstances subject to payment of the prescribed
fee. Fees charged are set out in the Fees Regulations.

8. Deletions

Any candidate who has completed enrolment and wishes to delete a paper must apply on the appropriate form and obtain the approval
of the Head of the relevant Department of any paper which the candidate wishes to delete and thereafter of the Dean for the Faculty
for the course of study. Each such application must be accompanied by the prescribed fee and submitted to the Registry not later than the
date set out in Regulation 11. Regulations concerning refund of fees are set out in Regulation 10 of these Regulations. Where
a candidate ceases to attend lectures after the date set out in Regulation 11, Regulation 9, relating to Withdrawals, shall apply. The
Senate may in its absolute discretion permit a candidate to make a late application to delete a paper after the closing date prescribed
in Regulation 11 if the reasons are illness, injury or exceptional circumstances beyond the candidate’s control, but not later than three
weeks before lectures for the paper finish. A partial refund of fees may also be granted as set out in Regulation 10(c).

9. Withdrawals

Any candidate who ceases to attend lectures after the date set out in Regulation 11 for deleting a paper can submit a “Notification
of Withdrawal after Prescribed Date” form to the Registrar not later than three weeks before lectures for the paper finish and the
following will apply:
(a) the paper will remain on the academic record showing the date of withdrawal against the paper concerned
(b) the fees will remain owing
(c) the paper will be treated as a failure when calculating Satisfactory Progress under Regulation 13 of these Regulations
(d) for student allowances purposes the paper will be treated as a failure and the withdrawal will automatically reduce the number
of points a candidate is enrolled in.

Note: (i) Where a candidate ceases to attend lectures in a paper and fails to complete a “Notification of Withdrawal after Prescribed Date” form the paper will remain on the
academic record, show as “Did not sit” and be treated as a failure for all purposes.
(ii) For Selection in a limited entry course/paper there is no overall University policy in regard to students whose records include withdrawal/Did not sit. It is important
therefore to ask the Dean of the Faculty or Head of the Department concerned for information in this respect.

10. Refund of Fees

For all courses of study:

(a) where a candidate applies to delete all the papers enrolled in terms of Regulation 8 a full refund of all tuition fees, the Students’
Association Fee and the Student Services Fee will be made.
(b) where a candidate applies to delete paper(s) but not all papers enrolled in terms of Regulation 8 a refund of the fees for the paper(s)
deleted and the appropriate reduction of the Students’ Association Fee will be made but there will be no refund or reduction of the
Student Services Fee.
(c) where a candidate has been permitted to delete a paper after the prescribed date because of illness, injury or exceptional
circumstances beyond the candidate’s control a refund of 50% of tuition fees will be granted provided that the Senate may in
its absolute discretion increase this percentage but there will be no refund of the Students’ Association Fee or Student Services
Fee.

11. The last date for submitting applications for adding papers under Regulation 7 and deleting papers under Regulation 8 are set out below:

(a) All courses of study other than BE, ME, MBA, MTaxS, DipBus, DipG&O, DipObst, papers taught in two halves of the year
by constituent colleges of the Auckland Consortium for Theological Education for BTheol; final year of MBChB:
(i) for papers that are not taught over the full academic year:
For papers commencing before 19 June ........................................ 10 March
For papers commencing after 19 June ...................................... 1 July
(ii) For Full year papers ............................................................... 17 March

(b) BE and ME
For papers commencing before 10 July ........................................ 10 March
For papers commencing after 10 July ........................................... 21 July

(c) BTheol papers taught at one of the constituent colleges of the Auckland Consortium for Theological Education:
For papers commencing before 10 July ........................................ 10 March
For papers commencing after 10 July ........................................... 21 July

Note: To identify papers that are not full year refer to the Lecture and Laboratory Timetables in this Calendar.
Academic Requirements and Unsatisfactory Progress

Failure to Make Satisfactory Progress

Requirements for Satisfactory Progress

Cross-Credits

Non-Matriculated Students

Academic Requirements and Unsatisfactory Progress

13. (a) This Regulation shall apply to all courses of study at The University of Auckland unless otherwise specified in the particular regulations for degrees and diplomas printed elsewhere in this Calendar.

(b) This Regulation shall also apply to a student intending to transfer to The University of Auckland from any other New Zealand University.

(c) For the purpose of this Regulation, and for any student, 'a year of university studies' means a year in which a student has enrolled and has not deleted enrolment by the date prescribed under Alterations to Course of Study, and a 'minimum full-time programme' is as defined under Definitions of Full-Time Study in 1995.

Note: Refer to Definitions of Full-Time Study in this Calendar.

Requirements for Satisfactory Progress

Full-time Students

(d) A full-time student is required to have passed, in the last two years of university studies, at least the equivalent of one year’s minimum full-time programme.

(e) A full-time student is required to have passed in the last year of university studies at least the equivalent of half of one year’s minimum full-time programme.

Part-time Students

(f) A part-time student is required to have passed in the last two years of university studies at least the equivalent of half of his or her total enrolment.

(g) A part-time student is required to have passed in the last year of university studies at least the equivalent of half of his or her enrolment.

Note: To calculate the weighting of an 'enrolment' or 'total enrolment' reference should be made to Definitions of Full-Time Study in 1994.

Failure to Make Satisfactory Progress

(h) In the event of failure to meet the requirements of either clause (d) or clause (f) of this Regulation a student shall be suspended for one academic year from enrolment at The University of Auckland and will then require the prior permission of the Senate to enrol. When applying for permission to enrol after the period of suspension or an equivalent period the student will need to satisfy the Senate that, as a result of study or other appropriate activity in the intervening period, there is a reasonable chance of success in subsequent studies at this University. On consideration of such an application the Senate may:

(i) grant a student permission to enrol with such conditions as it thinks fit;

(ii) suspend the student from enrolment at The University of Auckland for one further academic year;

(iii) decline enrolment at The University of Auckland.

Application must be made in accordance with the Pre-enrolment Application Regulations.

(i) In the event of failure to meet the requirement of either clause (e) or clause (g) of this Regulation a student will be Restricted in the next year of study at The University of Auckland to no more than a minimum full-time programme.

(j) If the failure to meet the requirements of any of clauses (d) (e) (f) or (g) of this Regulation is considered to be due to medical or other exceptional circumstances, or where a significant improvement in academic progress has been shown in the second of the last two years of the university studies, a student may apply to the Senate for Special Consideration in respect of the Suspension under clause (h) or the Restriction under clause (i) of this Regulation. Such an application must:

(i) be made on the appropriate Pre-enrolment Application Form and be accompanied by the prescribed fee;

(ii) include evidence if Special Consideration is sought for medical or other exceptional reasons;

(iii) state the programme in which the student intends to enrol should the application be successful;

(iv) reach the Registrar, The University of Auckland, Private Bag, Auckland by the prescribed deadline.

(k) Any student declined enrolment at this University under clause (h) (iii) of this Regulation may within fourteen days appeal to the Council against the decision of the Senate.

(l) Provided that the student is enrolled for no other paper or papers, this Regulation shall not apply to a student enrolling for any one of: case study, dissertation, original investigation, practicum, thesis or the Degree of Doctor of Philosophy.

Cross-Credits

14. (a) In this Regulation cross-credits means papers or subjects which:

(i) are common to two or more courses of study;

(ii) have been passed by a candidate for the purpose of one of those courses of study; and

(iii) the candidate desires to transfer to another of those courses of study.

(b) A candidate may, on payment of the prescribed fees under the Fees Regulations, transfer to the course of study for any degree or diploma named or referred to in the left hand column of the Schedule to this Regulation cross-credits as shown opposite the...
degree or diploma so named or referred to in the right hand column of that Schedule (subject to any other provisions of this Regulation and the relevant Degree or Diploma Regulations).

(c) No Stage III paper that fulfils the Stage III requirements of a course of study may be cross-credited to meet the Stage III requirement of another course of study, e.g. Stage III Maths credits passed as the only Stage III credits for BSc, could not be credited to BA unless three other Stage III papers were passed for the BA course of study.

(d) No candidate may transfer as a cross-credit any paper or subject passed with a conceded pass or restricted pass; and if that paper or subject is compulsory any other paper or subject may be substituted for it as the Senate may approve.

(e) No candidate may transfer as a cross-credit any paper or subject already so transferred under this Regulation.

(f) In any case where an application for the transfer of cross-credits:

(i) is not otherwise covered by this Regulation or not covered by special provisions made elsewhere in the Regulations of the University, or

(ii) is subject to any doubt or difficulty in the interpretation of these or any other Regulations of the University - the Vice-Chancellor may approve any such transfer of credit, or give any such direction in relation to the application, as he thinks fit.

Schedule

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<thead>
<tr>
<th>Architecture Property and Planning</th>
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<tbody>
<tr>
<td>(i) Degree of Bachelor of Architecture</td>
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<td>(ii) Degree of Bachelor of Property Administration</td>
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<td>(iii) Degree of Bachelor of Planning</td>
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<td>(iv) Degree of Bachelor of Arts</td>
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<tr>
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<tr>
<th>Other Degrees and Diplomas</th>
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<tbody>
<tr>
<td>(xi) Any Bachelors degree other than those named above</td>
</tr>
<tr>
<td>(xii) Any diploma other than the Diploma in Business or the Diploma in Computer Science</td>
</tr>
</tbody>
</table>

Note: (i) in the case of Master’s degrees no cross-credits are available, except where the course Regulations so provide.

(ii) A student taking two courses of study may be permitted to transfer as cross-credits no more than the maximum allowed for one course or the other but not for both.

Credit

15. (a) A candidate may with the approval of the Senate and on payment of the prescribed fees under the Fees Regulations be granted towards a degree or diploma named or referred to in the left-hand column of the Schedule of this Regulation, credit not exceeding that shown opposite the degree or diploma so named or referred to, in the right-hand column of that Schedule.

(b) No candidate may be granted credit for work already so credited under this Regulation.
Schedule

Arts

(i) Degree of Bachelor of Arts

(a) For a student who has successfully completed in or after 1974 and up to and including 1977 a three-year full-time Division A course at a Teachers' College under the control of the Auckland Teachers' Colleges Council, not more than four unspecified Stage I papers to count as one unspecified subject in Group B in the Schedule to the BA Regulations.

(b) For a student who has successfully completed in or after 1978 a three-year full-time Division A course at a Teachers' College under the control of the Auckland Teachers' Colleges Council or (from 1986) at the Auckland College of Education, seven unspecified papers, four at Stage I level and three at Stage II level. For the purpose of BA Regulation 5, the papers so credited shall count as papers in two subjects. For the purpose of BA Regulation 3, three papers shall count as papers in Group A in the Schedule to the BA Regulations and four papers shall count as papers in Group B in the Schedule to the BA Regulations.

(c) For a student who has successfully completed in or after 1974 and up to and including 1979 a Division B (concurrent study course) at a Teachers' College under the control of the Auckland Teachers' Colleges Council, not more than two unspecified Stage I papers to count as one unspecified subject in Group B in the Schedule to the BA Regulations. For a student who has successfully completed in or after 1980 a three year Division B (concurrent study course) at a Teachers' College under the control of the Auckland Teachers' Colleges Council or (from 1986) at the Auckland College of Education, three unspecified Stage I papers to count as one unspecified subject in Group B in the Schedule to the BA Regulations. For a student who has successfully completed in or after 1980 a two year full-time Division B (concurrent study course) at a Teachers' College under the control of the Auckland Teachers' Colleges Council or (from 1986) at the Auckland College of Education, two unspecified Stage I papers to count as one unspecified subject in Group B in the Schedule to the BA Regulations.

(d) For a student who has successfully completed in or after 1974 and up to and including 1979 a three-year full-time Home Economics or Commercial course at the Auckland Secondary Teachers' College not more than four unspecified Stage I papers to count as one unspecified subject in Group B in the Schedule to the BA Regulations. For a student who has successfully completed in or after 1980 a three-year full-time Home Economics or Commercial course at the Auckland Secondary Teachers' College or (from 1986) at the Auckland College of Education, seven unspecified papers, four at Stage I level and three at Stage II level. For the purpose of BA Regulation 5 the papers so credited shall count as papers in two subjects. For the purpose of BA Regulation 3, three papers shall count as papers in Group A in the Schedule to the BA Regulations and four papers shall count as papers in Group B in the Schedule to the BA Regulations.

(e) For a student who has successfully completed in or after 1976 a two-year full-time course in Division A at a Teachers' College under the control of the Auckland Teachers' Colleges Council or (from 1986) at the Auckland College of Education two unspecified Stage I papers to count as one unspecified subject in Group B in the Schedule to the BA Regulations.

(f) For a student who has successfully completed in or after 1977 a two-year full-time course in Division E at a Teachers' College under the control of the Auckland Teachers' Colleges Council or (from 1986) at the Auckland College of Education two unspecified Stage I papers to count as one unspecified subject in Group B in the Schedule to the BA Regulations.

(g) For a student who has in or after 1975 completed the requirements for a Certificate Course of the Centre for Continuing Education up to four papers as determined by the Dean of Arts, these papers to count as three unspecified Stage I papers and one unspecified Stage II paper, in one subject in Group A of the Schedule to the BA Regulations.

(h) For a student who has in or after 1984 successfully completed Studio I for the BFA Degree but is not continuing with that degree, two papers to count as papers in one unspecified Group B Stage I subject.

(i) For a student who has successfully completed the course for the Diploma in Physiotherapy, Auckland Institute of Technology only, or the Diploma in Nursing at one of the following institutions in or after 1985: Auckland Institute of Technology, Carrington Polytechnic, Manukau Polytechnic, Northland Polytechnic.

(j) For a student who has in or after 1988 passed the subject Legal System for LLB but is not continuing with the Degree, one paper to count as a paper in one unspecified Group B Stage I subject.

(k) For a student who has in or after 1989 passed the subject Introduction to Property for the Intermediate Examination for the BFA Degree but is not continuing with the Degree, one paper to count as a paper in one unspecified Group B Stage I subject.

Commerce

(ii) Degree of Bachelor of Commerce

Credit and Concessions

<table>
<thead>
<tr>
<th>Existing Certificate, Diploma etc</th>
<th>Institution</th>
<th>Maximum Credit</th>
<th>Qualification</th>
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<tbody>
<tr>
<td>Certificate in Personnel Management</td>
<td>University of Auckland Centre for Continuing Education</td>
<td>2 unspecified Stage I electives</td>
<td>after 1975/B or better</td>
</tr>
<tr>
<td>Existing Certificate, Diploma etc</td>
<td>Institution</td>
<td>Maximum Credit</td>
<td>Qualification</td>
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</tr>
<tr>
<td>Certificate in Training and Human Resource Development</td>
<td>University of Auckland for Continuing Education, Auckland College of Education</td>
<td>Completed/C or better</td>
<td></td>
</tr>
<tr>
<td>Division A Course</td>
<td>Up to 3 specified Stage I and one unspecified Stage II electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Division B Course</td>
<td>Completed 3 years 1977 or after</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Division B Course (concurrent study)</td>
<td>2 unspecified Stage I electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Division B Course</td>
<td>Completed 2 years 1977 or after</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Home Economics Course</td>
<td>Completed 1 year 1977-1979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercial Course</td>
<td>3 unspecified Stage I electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diploma in Business &amp; Industrial Admin.</td>
<td>Completed 3 years 1977 or after</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diploma in Physiotherapy</td>
<td>University of Auckland</td>
<td>Completed 1985 or after</td>
<td></td>
</tr>
<tr>
<td>Diploma in Nursing</td>
<td>Auckland Institute of Technology</td>
<td>Completed 1985 or after</td>
<td></td>
</tr>
<tr>
<td>Professional Examination in Accountancy</td>
<td>All four Auckland polytechnics</td>
<td>Must be complete</td>
<td></td>
</tr>
<tr>
<td>Professional Examination in Accountancy (Partial)</td>
<td>NZ Society of Accountants</td>
<td>Completed minimum of 6 subjects with Merit</td>
<td></td>
</tr>
<tr>
<td>NZ Certificate of Commerce</td>
<td></td>
<td>Qualified with Merit</td>
<td></td>
</tr>
<tr>
<td>National Certificate of Business</td>
<td>Auckland College of Education</td>
<td>Completed NCB with a B minimum average</td>
<td></td>
</tr>
<tr>
<td></td>
<td>University of Auckland</td>
<td>and minimum of B in selected papers</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Education**

(iv) Degree of Bachelor of Education

(a) For a student who has successfully completed a three year full-time programme at a Teachers' College in New Zealand, in or after 1974, fourteen papers in Schedule C prescribed for this Degree.

(b) For a student who has completed the requirements for a Certificate Course in Adult Education or a Certificate Course in School Leadership of the Centre for Continuing Education, up to four papers, two in Schedule A and two in Schedule B prescribed for this degree. One paper in Schedule A may be at Stage II level.

**Fine Arts**

(v) Degree of Bachelor of Fine Arts

(a) For a student who has successfully completed in or after 1974 a three year full-time course at a Teachers' College under the control of the Auckland Teachers' Colleges Council or (from 1986) at the Auckland College of Education, two unspecified Stage I papers which shall not be credited in lieu of the required Stage I papers in Art History.

(b) For a student who has successfully completed in or after 1974 a Division B (concurrent study course) at a Teachers' College under the control of the Auckland Teachers' College Council or (from 1986) at the Auckland College of Education, not more than one unspecified Stage I paper which shall not be credited in lieu of either of the required Stage I papers in Art History.

(c) For a student who has successfully completed in or after 1974 a three year full-time Home Economics or Commercial course at Auckland Secondary Teachers' College or (from 1986) at the Auckland College of Education, not more than one unspecified Stage I paper which shall not be credited in lieu of either of the required Stage I papers in Art History.

**Law**

(vi) Degree of Bachelor of Laws

For a student who has in or after 1975 completed the requirements for a Certificate in Criminology of the Centre for Continuing Education with a grade B or higher, one or two unspecified papers.

**Music**

(vii) Degree of Bachelor of Music

(a) For a student who has successfully completed in or after 1974 a three-year full-time Division A course at Teachers' College under the control of the Auckland Teachers' Colleges Council or (from 1986) at the Auckland College of Education, two unspecified papers (not being a paper in music) in lieu of the BA papers prescribed for the Degree. For a student specialising in music in the above three-year course, a further two unspecified Stage I papers.

(b) For a student who has successfully completed in or after 1974 a Division B (concurrent study course) at a Teachers' College under the control of the Auckland Teachers' Colleges Council or (from 1986) at the Auckland College of Education not more than one unspecified paper (not being a paper in Music) in lieu of a BA paper prescribed for the Degree.
At The University of Auckland this 18th day of February 1991. Pursuant to Section 224 of the Education Act 1989, as amended by the Education Amendment Act 1990, the Council of The University of Auckland hereby makes the following Statute:

1. (a) This statute may be cited as the Limitations on Enrolments Statute 1991.
(b) Applications must be made on the appropriate form and submitted not later than 10 January to complete that degree or diploma by taking appropriate examinations at another university and may, with the Head of the Department where appropriate and in consultation with the Heads of Departments concerned, take lectures in a subject which he or she is not offering for examination.
(c) A candidate exempted either under this or any other regulation for a paper or subject shall pay the prescribed fee under the Fees Regulations to be exempted from that paper or subject.
(d) A candidate exempted either under this or any other regulation for a paper or subject shall pay the prescribed fee under the Fees Regulations to be exempted from that paper or subject.

Abandonments
18. A student may apply on the appropriate form and on payment of the prescribed fee to abandon papers credited to one course of study and have them credited to another course of study.

Completion of Degree or Diploma at Another University
19. A student who leaves The University of Auckland district either to reside in another university district within New Zealand or to reside overseas, and who has passed for a degree or diploma of The University of Auckland such part of the work as the Senate may from time to time determine to be the major part of the work for that degree or diploma may make application on the prescribed form not later than 10 January to complete that degree or diploma by taking appropriate examinations at another university and may, with like approval be granted credits under these Regulations for such examinations.

Additional Lectures
20. A student while pursuing a course of study in the University may with the approval of the Dean of the appropriate Faculty, after consultation with the Heads of Departments concerned, take lectures in a subject which he or she is not offering for examination without payment of fee for the course provided that this facility shall be granted only where the additional lectures would be useful in supplementing the student's course of study.

Vice-Chancellor's Special Powers
21. (a) The Vice-Chancellor may give such direction, or make such provision as he shall think fit for the relief of undue hardship where it is shown to his satisfaction:
(i) that an alteration or amendment to statutes or regulations involving a change in a course of study or in examination requirements has caused a candidate hardship; or
(ii) that official advice has been given in writing and acted upon, and it is later found that a candidate's course of study is not in accordance with the governing regulations and hardship would be caused if the candidate were to be compelled to comply with the full requirements of the regulations.

(b) Where a candidate for a Master's degree or Bachelor of Science (Honours) Degree writes a script outside the prescribed time for the examination, the Vice-Chancellor shall have power to:
(i) admit or reject the script as part of the examination;
(ii) authorise the Head of Department to conduct an oral examination, and the Head of the Department where appropriate and if necessary, shall submit a mark based on the year's work and the oral examination.
(c) A candidate may appeal against any decision of the Vice-Chancellor under this Regulation to the Council by giving notice in writing to the Registrar within fourteen (14) days of being notified of the decision. Council shall have the power to make such provision as it may think fit. The decision of the Council on any appeal under this Regulation shall be final.

THE LIMITATION OF ENTRY STATUTE 1991

At The University of Auckland this 18th day of February 1991. Pursuant to Section 224 of the Education Act 1989, as amended by the Education Amendment Act 1990, the Council of The University of Auckland hereby makes the following Statute:

1. (a) This statute may be cited as the Limitations on Enrolments Statute 1991.
(b) This statute shall come into force on the first day of January 1991.

2. Where the Council is satisfied that it is necessary to do so because:
(i) students cannot be allocated places in appropriate lecture rooms or laboratories at times when they can reasonably be expected to attend, or
(ii) that an alteration or amendment to statutes or regulations involving a change in a course of study or in examination requirements has caused a candidate hardship; or
(iii) that official advice has been given in writing and acted upon, and it is later found that a candidate's course of study is not in accordance with the governing regulations and hardship would be caused if the candidate were to be compelled to comply with the full requirements of the regulations.
(ii) the number of teaching staff does not ensure all students expected to seek a place in a particular faculty, department, course or class of study can be adequately taught there shall be deemed to be an insufficiency of accommodation or of staff.

3. The maximum number of students that may be enrolled in any such faculty, department, course or class shall be determined by the Council from time to time after considering any recommendations from the Senate and shall be published in a schedule to this Statute.

4. In determining such maximum number of students the Council may, after securing a recommendation from the Senate:
   (a) prescribe academic standards to be achieved as a prerequisite for enrolment in any such faculty, department, course or class and
   (b) prescribe other criteria for selection of students to be permitted enrolment in any such faculty, department, class or course.

5. The Limitation of Entry Statute 1985 is hereby repealed.

ENROLMENT LIMITATIONS 1995

Limited Entry Courses of Study and Papers

Because of insufficient accommodation and restrictions on staffing there will be a limitation on the number of students who can be enrolled for certain courses of study or papers at the University in 1995.

Approved limitations

Applications for a place in any of the Limited Entry Courses or Papers must be made on the Pre-enrolment Application Form (PAF) in accordance with the requirements set down on that form.

Unless otherwise specified in the notes column below, the closing dates for applications are:

- **7 December 1994** for all applicants who did not attend The University of Auckland in 1994.
- **6 January 1995** for all applicants who attended The University of Auckland in 1994.

Applications received after the specified application closing date will be given last priority in consideration for a place in a limited entry paper and/or course. The Bachelor of Arts and the Bachelor of Science are the only two undergraduate degrees that are open entry, in other words all of those applying for BA and BSc and who are eligible for admission will be accepted, although they may not be selected into all papers of their choice. Each Stage I Arts and Science paper has a limit on the number of students that can be accepted but it is expected that in most cases selection for a place in those papers will not be necessary. However, where papers are oversubscribed, selection will take place using pre-approved criteria. A similar process will take place in the case of advanced level papers in the Faculties of Arts and Science which are oversubscribed and for which a limit has been set. In each case where the number of applicants for a place in a limited entry course of study or paper exceeds the approved number of available places, the Faculty or Departments concerned will select students in accordance with criteria that have been approved by the University Council. Selection criteria will be available from the Faculty or Department concerned for the information of students. In general, selection will be based upon academic merit. In those cases, where the scholastic record is insufficient, e.g. Provisional Entrance and Special Admission, other criteria such as the recommendation of the School Principal or Advisor, or employment history will be taken into account. Account will also be taken of the University's EEdO policy. Limitations on courses and papers, with the exception of Stage I Arts and Science papers, are listed in the schedules below.

<table>
<thead>
<tr>
<th>Faculty/Subject</th>
<th>Limited Entry Course</th>
<th>Approved Limit</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Architecture</strong></td>
<td>BArch (First Examination)</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td><strong>Property and Planning</strong></td>
<td>BProp (First Examination)</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BPlan (First Examination)</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Two year Graduate Entry Programme)</td>
<td>20</td>
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</tr>
<tr>
<td><strong>Arts</strong></td>
<td>DipDrama</td>
<td>16</td>
<td>Apply by 30 October for the following year</td>
</tr>
<tr>
<td></td>
<td>DipELT</td>
<td>24</td>
<td>Apply by 20 November for the following year</td>
</tr>
<tr>
<td></td>
<td>DipBrC</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DipPolNewsMed</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dip ProfEthics</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Anthropology Masters (Year 1)</td>
<td>30</td>
<td>Apply by 30 November for the following year</td>
</tr>
<tr>
<td></td>
<td>Development Studies Masters</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Geography Masters total</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Psychology Masters total</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td><strong>Commerce</strong></td>
<td>BCom Part I (for the first time)</td>
<td>870</td>
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</tr>
<tr>
<td></td>
<td>DipCom (for the first time)</td>
<td>100</td>
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</tr>
<tr>
<td></td>
<td>MCom/MPhil/MA (for the first time):</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Accounting and Finance</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Commercial Law</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Economics</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Management Science &amp; Information Systems</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Management Studies &amp; Labour Relations</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marketing &amp; International Business</td>
<td>20</td>
<td></td>
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<tr>
<td></td>
<td>MComLaw (for each paper in Commercial Law)</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Faculty/Subject</td>
<td>Limited Entry Course</td>
<td>Approved Limit</td>
<td>Notes</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------------</td>
<td>----------------</td>
<td>-------</td>
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<tr>
<td>MBA (Executive)</td>
<td>(for the first time)</td>
<td>40</td>
<td>Apply by 15 October for the following year</td>
</tr>
<tr>
<td>MBA (Management)</td>
<td>(for the first time)</td>
<td>40</td>
<td>Apply by 15 October for the following year</td>
</tr>
<tr>
<td>DipBus (Engineering Management)</td>
<td>(for the first time)</td>
<td>40</td>
<td>Apply by 15 October for the following year</td>
</tr>
<tr>
<td>DipBus (Finance)</td>
<td>(for the first time)</td>
<td>45</td>
<td>Apply by 15 October for the following year</td>
</tr>
<tr>
<td>DipBus (InfoScience)</td>
<td>(for the first time)</td>
<td>50</td>
<td>Apply by 15 October for the following year</td>
</tr>
<tr>
<td>DipBus (Marketing)</td>
<td>(for the first time)</td>
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<td>Apply by 15 October for the following year</td>
</tr>
<tr>
<td>DipBus (Maori Business Development)</td>
<td>(for the first time)</td>
<td>40</td>
<td>Apply by 15 October for the following year</td>
</tr>
<tr>
<td>DipBus (New Ventures Management)</td>
<td>(for the first time)</td>
<td>40</td>
<td>Apply by 15 October for the following year</td>
</tr>
<tr>
<td>DipBus (Operations Management)</td>
<td>(for the first time)</td>
<td>40</td>
<td>Apply by 15 October for the following year</td>
</tr>
<tr>
<td>DipBus (PMER)</td>
<td>(for the first time)</td>
<td>40</td>
<td>Apply by 15 October for the following year</td>
</tr>
<tr>
<td>DipBus (Quality Management)</td>
<td>(for the first time)</td>
<td>40</td>
<td>Apply by 15 October for the following year</td>
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<tr>
<td>Education</td>
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<tr>
<td>Dip Couns</td>
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<tr>
<td>DipEdPsych</td>
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<tr>
<td>MEd(Couns)</td>
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<td>MEd (EdAdmin)</td>
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<td>MEd(HigherAdEd)</td>
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<tr>
<td>MEd (MathsEd)</td>
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<td>Apply by 1 November for the following year</td>
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<tr>
<td>Engineering</td>
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<tr>
<td>BE First Year</td>
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<tr>
<td>Chem&amp;Mat</td>
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<td>35</td>
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</tr>
<tr>
<td>Civil &amp; Resource Mining</td>
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<td>75</td>
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</tr>
<tr>
<td>Elect</td>
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<td>Mech</td>
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<td>BE Second Year</td>
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<td>Chem&amp;Mat</td>
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<td>Civil &amp; Resource Mining</td>
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<td>Elect</td>
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<td>Mech</td>
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<tr>
<td>DipGeothermTech</td>
<td></td>
<td>30</td>
<td>1 August (Overseas Students) for the following year</td>
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<tr>
<td>Fine Arts</td>
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<tr>
<td>BFA - Studio I</td>
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<td>75</td>
<td>1 Oct (New Zealand Students) for following year</td>
</tr>
<tr>
<td>MFA/MPhil (for the first time)</td>
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<td>30</td>
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<tr>
<td>PGDipLA</td>
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<tr>
<td>Law</td>
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<tr>
<td>Law Hnt (Paper 25.103)</td>
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<tr>
<td>First Law for LLB</td>
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<td>270</td>
<td>Apply by 30 November for the following year</td>
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<tr>
<td>Medicine</td>
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<tr>
<td>BHB</td>
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<tr>
<td>MAud</td>
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<td>Apply by 1 October for the following year</td>
</tr>
<tr>
<td>DipPH</td>
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<td>Apply by 1 November for the following year</td>
</tr>
<tr>
<td>DipPaed</td>
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</tr>
<tr>
<td>Music</td>
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<td></td>
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</tr>
<tr>
<td>BMus (Perf) or DipMus (for the first time)</td>
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<td>35</td>
<td>Apply by 30 June for the following year</td>
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<tr>
<td>BMus &amp; BA (Advancing in Music)</td>
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<td>25</td>
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<tr>
<td>Masters</td>
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<td>12</td>
<td></td>
</tr>
<tr>
<td>Science</td>
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</tr>
<tr>
<td>BSc Sports Science</td>
<td></td>
<td>50</td>
<td>Taught at Tamaki Campus (limited by entry into T711.101 and T72.120)</td>
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<tr>
<td>BTech (AniTech)</td>
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<td>16</td>
<td>Taught at Tamaki Campus</td>
</tr>
<tr>
<td>BTech (Optoelec)</td>
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<td>25</td>
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</tr>
<tr>
<td>BTech (InfoTech)</td>
<td></td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>BTech (BiomedSc)</td>
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<td>25</td>
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</tr>
<tr>
<td>BTech (BioTech)</td>
<td></td>
<td>25</td>
<td>Taught at Tamaki Campus</td>
</tr>
<tr>
<td>BTech (IndMath)</td>
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<td>25</td>
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</tr>
</tbody>
</table>

Notes:
- Apply by 15 October for the following year
- Apply by 1 November for the following year
### B. Limited Entry Papers (Admission by Selection)

<table>
<thead>
<tr>
<th>Faculty/Subject</th>
<th>Limited Entry Paper</th>
<th>Approved Limit</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B.Tech (Materials)</strong></td>
<td>25</td>
<td></td>
<td>Taught at Tamaki Campus Apply by 30 November</td>
</tr>
<tr>
<td><strong>DipEnvirMgt</strong></td>
<td>40</td>
<td></td>
<td>Apply by 31 October for the following year</td>
</tr>
<tr>
<td><strong>MSc Environmental Science</strong></td>
<td>total 30</td>
<td></td>
<td>Apply by 30 October for the following year</td>
</tr>
<tr>
<td><strong>MSc, MA (Geography)</strong></td>
<td>60</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>BOptom Part I</strong></td>
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<tr>
<td><strong>CertOcPharm</strong></td>
<td>40</td>
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</tr>
<tr>
<td><strong>Psychology Masters (Year I)</strong></td>
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</tr>
<tr>
<td><strong>PG DipClinPsych Year I</strong></td>
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</tr>
<tr>
<td><strong>PG DipSci</strong></td>
<td>4</td>
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</tr>
</tbody>
</table>

### Faculty/Subject

- **Architecture**
  - See Under Part (A) of this Schedule
- **Property and Planning**
- **Arts**
  - Anthropology
    - 03.209 60
    - 03.221 60
    - 03.326 30
    - 03.327 15
    - 03.340 15
    - 03.342 20
  - Art History
    - 19.412 12
  - Chinese
    - 48.200 50
    - 48.201 50
    - 48.204 50
    - 48.205 50
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    - 18.328 12
    - 18.331 60
  - Film & Television Studies
    - 85.200 240
    - 85.301 12
  - Geography
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  - Italian
    - 35.332 12
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  - Japanese
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    - 81.202 80
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C. Other Limits

The following papers are not available for courses of study other than BCom or DipCom except with the specific approval of the Head of Department concerned and subject to compliance with appropriate course regulations.

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<tr>
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ENROLMENT 1995

1. To facilitate enrolment ALL students are required to complete a Pre-enrolment Application Form. For 1995 there are three slightly different Pre-enrolment Application Forms. They are:

   PAF 1A  For all students who have not previously enrolled at any New Zealand university.
   PAF 1B  For students who are transferring from another New Zealand university or whose last enrolment was at The University of Auckland before 1994.
   PAF 1C  For students who were enrolled at The University of Auckland in 1994. (This form will be sent to the appropriate students with the 1994 examination results).
2. Pre-enrolment Application Forms are available from the Registrar, University of Auckland, Private Bag 92 019, Auckland or at the
Enquiries Office, Registry Building, 24 Princes Street.

3. For 1995 there are some important deadline dates by which Pre-enrolment Application Forms must be received at the Registry:
(a) 7 December 1994 — for Provisional Entrance applications
(b) 7 December 1994 — PAF 1A and PAF 1B submission deadline for all students who were not enrolled at The University of
Auckland in 1994
(c) 6 January 1995 — PAF 1C submission deadline for all students who were enrolled at The University of Auckland in 1994.

4. In addition to completing the Pre-enrolment Application Form all students must complete their enrolment by attending in person at
the University, or by mail where such procedures apply, in accordance with the enrolment timetable. Students failing to enrol in
accordance with the Timetable will forfeit their place and be charged with late penalties in full.

Note: Early enrolment is not permitted.

Notes:
1. Academic Requirements and Unsatisfactory Progress
   Students are referred to Regulation 8 of the Enrolment and Course Regulations (General) and General Fees and Penalties under the Fees Regulations.

2. Choice of Course
   Students are referred to Regulation 9 of the Admission Regulations and General Fees and Penalties under the Fees Regulations.

3. Student Advice
   Students are referred to Regulation 9 of the Admission Regulations and General Fees and Penalties under the Fees Regulations.

5. Penalties
   Students are referred to Regulation 9 of the Admission Regulations and General Fees and Penalties under the Fees Regulations.

6. Refund of Fees
   Students are referred to Regulation 8 of the Enrolment and Course Regulations (General).

**ENROLMENT TIMETABLE 1995**

Enrolment in person will take place between 9.00 am and 4.45 pm, Friday 17 to Thursday 23 February according to the alphabetical
timetable listed under section B. The timetable has been carefully planned to allow for smooth flow throughout the four-day period. If
large numbers of students enrol outside their allotted time, queues are likely to build up and delays in processing will occur. There will
be no enrolment on Friday 24 February.

Instructions on how to complete enrolment will be sent out to all students who applied on time together with their Fees Invoice or
Enrolment Form in February.

1. Students who receive a FEES INVOICE in the mail
   Students who receive a Fees Invoice in the mail may pay by mail before 13 February.
   The University Cashiers in Old Arts Building, 22 Princes Street will also receive payments in person before 13 February between
   9.00 am and 4.30 pm.
   Students who have not paid by 13 February MUST attend the cashiers in the Recreation Centre between 13 and 17 February.
   Students wishing to make a change to their course after receipt of a Fees Invoice can only do so during the main enrolment
   period, 17 to 23 February 1995 and in accordance with the alphabetical timetable.

2. Students who receive an ENROLMENT FORM in the mail
   Students who receive an Enrolment Form in the mail must attend the University to enrol in person on the day specified for their faculty
   and their surname in the enrolment timetable in section B below.

3. International students must collect their Enrolment Form from the International Students Enrolling Centre, Room 039, Old Arts
   Building.
   Students wishing to make a change or seeking places in limited entry Arts and Science papers should approach departments on the day
   specified for their surname in the alphabetical timetable.

Remaining places in Arts and Science papers will be filled on Thursday, 23 February, in no alphabetical order. Students who pre-enrolled
too late to receive a response in the mail should attend during in person enrolment according to the timetable under section B. However,
some papers will be full and the availability of places in others may not be known until the last day.

Unless students have made a formal application and been given approval to enrol late, Fees Invoices and Enrolment Forms will be
invalidated after 23 February if enrolment has not been completed by paying the fees by 5.00 pm on that date. From Monday 27 February
students will need to re-apply to respective Faculties and Departments for a place in the course(s) and paper(s) they wish to enrol in.

**General Warning:** Students are subject at all times to the University's Course Regulations, Statutes and other Regulations published
in the current Calendar. In order for your enrolment to be valid:

(a) You must have met all the requirements for the papers recorded on your Fees Invoice and have been granted all approvals for
   those papers and for your course of study that are required by the University's Course Regulations, Statutes and other
   Regulations; and
(b) Otherwise complied with those Regulations and Statutes; and
(c) Paid your Fees Invoice.

If you have paid your Fees Invoice without compliance with the University's Regulations and Statutes, you will not be validly enrolled.
The University may recoup administrative costs and any tuition costs incurred and refund any of the balance.

**OFFICIAL ENROLLING HOURS 9.00AM TO 4.45PM (ATTENDANCE IN ORDER OF FIRST LETTER OF SURNAME)**

Note: Enrolments for all courses and papers, including those taught at Tamaki Campus, are conducted on the City Campus. International students should first go to the International Students' Enrolment Centre, Room 039, Old Arts Building.
A. Students who receive a FEES INVOICE in the mail
(i) Students should pay by mail on receipt of their Fees Invoice OR
(ii) Pay in person at the Recreation Centre between Monday 13 February and Friday 17 February.

B. Students who receive an ENROLMENT FORM in the mail
(i) Those enrolling in the Faculty of ENGINEERING (first time for BE only) must attend to enrol on:

<table>
<thead>
<tr>
<th>Day →</th>
<th>Friday 17 February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morning</td>
<td>A-K</td>
</tr>
<tr>
<td>Afternoon</td>
<td>L-Z</td>
</tr>
</tbody>
</table>

(ii) Those enrolling in the Faculties of ARTS, COMMERCE, EDUCATION, ENGINEERING (other than first time for BE), JOINT BOARD OF STUDY (THEOLOGY), LAW, MUSIC, SCIENCE must attend to enrol on:

<table>
<thead>
<tr>
<th>Day →</th>
<th>Monday 20 February</th>
<th>Tuesday 21 February</th>
<th>Wednesday 22 February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morning</td>
<td>A-Ch</td>
<td>H-La</td>
<td>P-Sp</td>
</tr>
<tr>
<td>Afternoon</td>
<td>Ci-G</td>
<td>Le-O</td>
<td>Sq-Z</td>
</tr>
</tbody>
</table>

(iii) Remaining places in ARTS and SCIENCE limited entry papers that required selection will be filled on:

Thursday 23 February (no alphabetical order)

(iv) Those enrolling in the Faculties of ARCHITECTURE, PROPERTY AND PLANNING, FINE ARTS, MEDICINE AND HUMAN BIOLOGY must attend to enrol on:

<table>
<thead>
<tr>
<th>Day →</th>
<th>Thursday 23 February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morning</td>
<td>A-K</td>
</tr>
<tr>
<td>Afternoon</td>
<td>L-Z</td>
</tr>
</tbody>
</table>

C. Students enrolling in the GRADUATE SCHOOL OF BUSINESS
(i) Students enrolling for DipBus:

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Monday 16 January</th>
<th>Tuesday 17 January</th>
<th>Wednesday 18 January</th>
</tr>
</thead>
</table>

(ii) Students enrolling for MBA:

<table>
<thead>
<tr>
<th>Year 2 and above</th>
<th>Thursday 19 January</th>
<th>Friday 20 January</th>
</tr>
</thead>
</table>

(iii) Students enrolling for DipMan:

| Monday 23 January | Tuesday 24 January |

THERE WILL BE NO ENROLMENT ON FRIDAY, 24 FEBRUARY

EXTRAMURAL ENROLMENT STATUTE

1. (a) This Statute may be cited as the Extramural Enrolment Statute 1991.
   (b) This Statute shall come into force on 1 January 1992.

2. Any person qualified to enrol at a university in New Zealand who satisfies the Senate of The University of Auckland that he or she should not be required to attend classes at the University, shall, subject to the provisions of this Statute and upon such conditions as Senate thinks fit, be permitted to enrol extramurally in that year.
3. No person who is already on the books of another university in New Zealand as a candidate for any degree, diploma or other qualification shall be permitted to enrol extramurally without the permission of that other university.

4. Except where the Senate otherwise permits, a person who is permitted to enrol extramurally in any paper or papers for which extramural tuition is provided at Massey University, shall:
   (a) be required to register or enrol for tuition in each such paper at Massey University;
   (b) not enrol in the same year for any other paper or papers at The University of Auckland, save with the permission of Senate,
   (c) take the examinations of Massey University, and appropriate credit shall be granted at The University of Auckland for the paper or papers passed.

5. Save with the permission of the Senate granted in such exceptional circumstance as it thinks fit, no person on the books of The University of Auckland may be enrolled extramurally in respect of:
   (a) any Stage III paper;
   (b) any work for a Master's Degree;
   (c) any work for a diploma;
   (d) any paper requiring practical or laboratory work;
   (e) any paper or other work which, in the opinion of Senate, requires internal tuition at a University.

6. A person on the books of this University who ceases to reside in New Zealand, and who requires to pass in the final paper or papers for any degree, diploma or other qualification, may enrol extramurally in the paper or papers at the discretion of Senate and upon such conditions as it thinks fit.

7. The Extramural Enrolment Statute 1981 is repealed.

8. Students wishing to enrol extramurally shall comply with the following:
   (a) Every person wishing, in any year, to enrol extramurally shall apply to the Registrar of the University not later than 10 January of that year.
   (b) Every application shall state:
      (i) the papers or other work in respect of which extramural enrolment is sought;
      (ii) the grounds of the application;
      (iii) whether the applicant is already on the books of, or (where it may be permitted or required) proposes to enrol at, any other university and if so, which university and for what course, papers, or other work;
      (iv) (i) the applicant’s current business and residential address:
         (ii) whether to the best of the applicant’s knowledge and belief there will be any change of residence during the year of enrolment; and if so the expected new address and approximate date of change.
   (c) Every student permitted to enrol extramurally:
      (i) shall pay the prescribed fees for course approval (in addition to any fees payable at another University);
      (ii) may withdraw from his or her studies by written notice to the Registrar not later than 31 March; and having done so by that date, shall be entitled to a full refund of fees.
   (d) (i) The studies of students permitted to enrol extramurally under the Statute are subject to Regulation 9 of the Enrolment and Course Regulations (General).
      (ii) For the purpose of this Regulation students who have not withdrawn under Regulation 3 (b) of this regulation shall be deemed engaged in academic studies in the relevant year.

The Extramural Enrolment Regulations last published in the 1991 Calendar are revoked.

These requirements shall come into force on 1 January 1992.

**DEFINITIONS OF FULL-TIME STUDY 1995**

**Architecture, Property and Planning**

<table>
<thead>
<tr>
<th>Programme</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>BArch</td>
<td>36</td>
</tr>
<tr>
<td>BPlan</td>
<td>36</td>
</tr>
<tr>
<td>BProp</td>
<td>36</td>
</tr>
<tr>
<td>PGDipBldgSc</td>
<td>4 papers as required under PGDipBldgSc Reg 2</td>
</tr>
<tr>
<td>MPlan</td>
<td>All papers as specified under MPlan Reg 2</td>
</tr>
</tbody>
</table>

**Arts**

<table>
<thead>
<tr>
<th>Programme</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA</td>
<td>72</td>
</tr>
<tr>
<td>DipArtsAdmin</td>
<td>72</td>
</tr>
<tr>
<td>DipBrC</td>
<td>All papers as specified under DipArtsAdmin Reg 3</td>
</tr>
<tr>
<td>DipDrama</td>
<td>All work as specified under DipBrC Reg 3</td>
</tr>
<tr>
<td>DipELT</td>
<td>All work as specified under DipDrama Reg 3 and 4</td>
</tr>
<tr>
<td>DipLabourStudies</td>
<td>All papers as specified under DipELT Reg 3</td>
</tr>
<tr>
<td>DipLGA</td>
<td>All papers as specified under DipLabourStudies Reg 4</td>
</tr>
<tr>
<td>DipPerformArts</td>
<td>All subjects required under DipLGA Reg 5</td>
</tr>
<tr>
<td>DipPolNewsMed</td>
<td>All work as specified under DipPerformArts Reg 2, 3 and 4</td>
</tr>
<tr>
<td>DipProfEthics</td>
<td>All papers as specified under DipPolNewsMed Reg 3</td>
</tr>
<tr>
<td>PGDipArts</td>
<td>All papers as specified under DipProfEthics Reg 3</td>
</tr>
<tr>
<td>PGDipSocRes</td>
<td>All papers as specified under PGDipArts Reg 3</td>
</tr>
<tr>
<td>PGDipTrans</td>
<td>All papers as specified under PGDipSocRes Reg 3</td>
</tr>
<tr>
<td>Wellesley Programme</td>
<td>Pt I, II or III</td>
</tr>
</tbody>
</table>

**Commerce**

<table>
<thead>
<tr>
<th>Programme</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCom</td>
<td>72</td>
</tr>
</tbody>
</table>
BCom(Hons)
MBA
DipCom
DipMgt
DipMgt

Education
BAHEd
BEd
DipEdPsych
DipCouns

Engineering
BE
DipGeothermTech

Fine Arts
BFA
PGDipFA

Law
Law Intermediate
LLB
LLB(Hons)
PGDipLS
ProfLS

Medicine and Human Biology
BHB
MBChB
DipComA&EMed
DipGeriatMed
DipMentH
DipPH
DipSportMed

Music
BMus
BMus(Hons)
BMus(Perf)
BMus(Perf)(Hons)
DipMus
DipMus(Hons)

Science
BSc
BSc(Hons)
BOptom
BScEd
DipCompSci
DipSci
DipSportMed
DipStats
PGDipClinPsych
PGDipSci
Wellesley Programme

Inter-Faculty
BTech
Transitional Certificate
BMusEd
DipEnvirMgt
DipMathsEd
DipSciEd

Joint Board of Studies
BTheol

72 points
9 papers
6 papers as specified under DipCom Reg 4
8 papers as specified under DipMgt Reg 5
8 papers as specified under DipMgt Reg 5

72 points
72 points
72 points
72 points
Pt I or Pt II
Pt I or Pt II

A Professional Examination or equivalent
Parts I, II and III

7 papers in the first Professional year
9 papers in the second, third and fourth Professional years
All papers as specified under PGDipFA Reg 4

72 points
72 points
All work as specified under LLB(Hons) Reg 2
All subjects required under PGDipLS Reg 3 and 4
Short course of 13 weeks

Part I, II or III
Part I, II or III
3 papers as required under DipComA&EMed Reg 3
3 papers as required under DipGeriatMed Reg 3
4 papers as required under DipMentH Reg 3
4 papers as required under DipPH Reg 3
All work as specified under DipSportMed Reg 3

72 points
4 papers
Performance and 3 papers
All work as specified under Reg 4
6 papers
6 papers

72 points
Part III or IV
Part I, II, III or IV.
72 points
All subjects required under DipCompSci Reg 3
All work as specified under DipSci Reg 3
All work as specified under DipSportMed Reg 3
All subjects required under DipStats Reg 3
Part II
All work as specified under PGDipSci Reg 3
48 points

72 points
72 points
48 points

72 points
72 points
All work as specified under DipEnvirMgt Reg 5
All subjects required under DipMathsEd Reg 2
All work as specified under DipSciEd Reg 2

Joint Board of Studies
BTheol

72 points
Points
(a) Papers in the Schedules for BA, BA HEd, BCom, BEd, BMus, BTheol:
   at Stage I and II 12 points per paper
   at Stage III 16 points per paper
(b) Papers in the Schedule for BSc:
   at Stage I 2 points per credit
   at Stage II 3 points per credit
   at Stage III 4 points per credit
(c) Papers in the Schedule for LLB I
   Papers in the Schedule for LLB II & III

Masters Courses
For Masters courses of one year duration, all of the requirements under the relevant degree regulations. For Masters courses of more than one year tenure, at least half of the papers required under the relevant degree regulations; or in the case of thesis only enrolment, as approved by the relevant Head of Department.

Prerequisites for Postgraduate Courses
A course of papers, prescribed to fulfil prerequisites for entering a postgraduate degree, may, with the approval of Senate, be deemed full-time for the purpose of these Regulations.

EXAMINATION REGULATIONS

The requirements
1. In order to be credited with a paper, subject, or course, a candidate must have
   (a) enrolled in accordance with the Enrolment Regulations;
   (b) attended classes to the satisfaction of the Senate;
   (c) completed to the satisfaction of the examiners such oral, practical, written or other tests or assignments as have been prescribed for completion during the course;
   (d) completed to the satisfaction of the examiners and in accordance with these Regulations any final examination prescribed by the Senate.

Note: Candidates will be informed in assessing final results. In some cases candidates may not be permitted to sit the final examination.

2. (a) It is the responsibility of each candidate to ascertain the nature of the requirements for each paper, subject or course from the Department or Faculty concerned.
   (b) Provided that candidates have met deadlines set for this work, it is expected that examiners will have determined and returned interim or definitive grades for this work before sitting of the final examination, if one is prescribed.
   (c) Unacknowledged copying or plagiarism in completing this work may be treated as an examination offence.

Time of Examinations
3. The examination shall be held at the times specified in the timetable each year.

Place of Examinations
4. All internal students must sit their examinations at Auckland. Extramural students who do not wish to sit their examinations at Auckland may sit at one of the centres specified in the Extramural Enrolment Regulations, provided that, with the approval of the Senate, a special examination centre may be established under special circumstances subject to the payment of the extra fee prescribed in the Fees Regulations.

Conduct of Examinations
5. (a) The examinations shall comprise such written, oral and practical examinations as the examiners may determine.
   (b) Where degree Regulations or prescriptions permit, or the Senate upon such conditions as it thinks fit approves, the examiners may in respect of any examination release to the candidates, the examination paper in advance of the sitting of the examination.
   (c) Candidates shall write out answers to the questions in the presence of a supervisor, who shall be appointed or approved by the Council in accordance with such detailed instructions as may be furnished by the Council.
   (d) No candidate shall communicate with an examiner in regard to an examination except through the Registrar.
   (e) No candidate may be examined in any subject or part of a subject at any time other than that set down for him or her in the timetable.
   (f) No candidate shall be allowed to enter the room:
      (i) for a 3-hour examination later than one hour thirty minutes after candidates have begun writing the examination;
      (ii) for a 2-hour examination later than one hour after candidates have begun writing the examination;
      (iii) for a 1\(\frac{1}{2}\)-hour examination later than forty-five minutes after candidates have begun writing the examination;
      (iv) for a 1-hour examination later than thirty minutes after candidates have begun writing the examination.
   (g) No candidate shall be permitted to leave the room:
      (i) for a 3-hour examination until one hour forty-five minutes has elapsed from the time the writing of the examination began;
      (ii) for a 2-hour examination until one hour fifteen minutes has elapsed from the time the writing of the examination began;
      (iii) for a 1\(\frac{1}{2}\)-hour examination until one hour has elapsed from the time the writing of the examination began;
      (iv) for a 1-hour examination until forty-five minutes has elapsed from the time the writing of the examination began, and then only with the permission of the supervisor and upon handing in his or her script.
   (h) Candidates shall be allowed to read their examination papers for a period of not more than ten minutes before the examination commences but may not begin writing their answers until the room supervisor announces that they may do so.
   (i) Audible alarms may not be used on any devices permitted in the examination room.
   (j) No candidate shall bring into examination an electronic calculator except by direction of the examiner. Where an examination has been designated 'calculator permitted':
      (i) the calculator used in the examination must be electronic, truly portable and self-powered, and noiseless.
(ii) no supplementary material (e.g. operating manuals) related to the use and operation of the calculator will be permitted in the examination room other than spare batteries;

(iii) in all cases it is the responsibility of the candidate to maintain the operation and operating power of the calculator.

Note: In the context of Regulation 5 (j) (i) above Electronic Calculator refers to any electronic device capable of information storage, or processing or retrieval.

(k) No candidate shall bring to an examination any written or printed matter except by direction of the examiner:

(i) Where an examination is designated "Open Book", candidates may take into the examination room any written or printed material including Books, Acts, etc. and an electronic calculator. There will be no check on items taken into the examination room. However no (pre-prepared) material taken into the examination room may be attached to the examination script and submitted for marking as part of that examination. The designation ‘Open Book’ must be approved by Faculty and Deans Committee.

(ii) Where an examination is designated “Restricted Book”, candidates shall take into the examination room only material specified by the examiner, and that material shall not be annotated, written or typed upon, or otherwise marked.

(iii) Where an examination is designated “Restricted Book - may be written upon”, candidates shall take into the examination room only material specified by the examiner; and that material may be annotated, written or typed upon or otherwise marked in a relevant or contextual manner. However no (pre-prepared) material taken into the examination room may be attached to the examination script and submitted for marking as part of that examination. The designation ‘Restricted Book’ must be approved by Faculty and Deans Committee.

(l) A pass mark in any paper or subject including papers and thesis for a Master’s Degree is: for a single paper, 50%; for two or more combined or linked papers, an average of 50%; for one or more papers and a thesis, and average of 50%; provided that:

(i) the Senate may give approval for a thesis to count as more than one paper;

(ii) a candidate not attaining a minimum of 37% in any combined or linked paper will fail the subject as a whole, except in the following cases:

(a) Human Biology, where a candidate who has obtained less than 37% in any paper may still be considered for a pass as whole in Part I, Part II, or Part III;

(b) mid year examinations that count towards the final results;

(c) where a candidate has missed a paper by reporting for an examination at an incorrect time, see N.7 below;
(iii) a candidate taking papers in the Faculty of Music not attaining a minimum of 37% of the marks allocated for the end of the year examination, will fail the paper as a whole. This does not apply to examinations in Performance;
(iv) a candidate for the Degree of Master of Engineering must pass in each of eight subjects or in each of three subjects and a thesis;
(v) where oral work is required for a paper of a language, unless otherwise provided, a pass in both oral work and written papers is necessary;
(vi) where both practical and written work is required for a paper or subject a pass in both practical work and written paper is necessary.

These are eleven pass grades and two fail grades as set out:

**Pass Grades**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>High first</td>
</tr>
<tr>
<td>A</td>
<td>Clear first</td>
</tr>
<tr>
<td>A-</td>
<td>Bare first</td>
</tr>
<tr>
<td>B+</td>
<td>High second</td>
</tr>
<tr>
<td>B</td>
<td>Clear second</td>
</tr>
<tr>
<td>B-</td>
<td>Bare second</td>
</tr>
<tr>
<td>C+</td>
<td>Sound pass</td>
</tr>
<tr>
<td>C</td>
<td>Pass</td>
</tr>
<tr>
<td>C-</td>
<td>Marginal pass</td>
</tr>
</tbody>
</table>

**Restricted Passes**

A restricted pass shall apply:

(a) only to a paper in the Faculties of Arts, Commerce or Science;
(b) to the course of study awarded and may not be transferred to another course of study.

A candidate at the discretion of the appropriate Faculty may be considered for a restricted pass. No application by the candidate is required. A restricted pass in a paper which is a prerequisite for enrolment in another paper shall not be accepted as fulfilling that prerequisite except with the approval of the relevant Head of Department in each case.

A candidate may decline the award of a restricted pass in a paper by notifying the Registrar in writing not later than 31 March in the year following the award.

- A candidate who has been prevented by illness or injury from presenting himself or herself at any examination in any paper or subject, or who considers that his or her performance in any examination in any paper or subject has been seriously impaired by illness or injury may on application and with the approval of the Senate be granted an aegrotat pass in such paper or subject if the following conditions are satisfied:
  (a) that the candidate is enrolled as an internal student for the course of instruction in the paper or subject in question;
  (b) that the illness or injury was reported in writing to the Registrar within one week of the date upon which the examination affected took place or if more than one examination has been affected then within one week of the last of such examinations;
  (c) to the course of study awarded and may not be transferred to another course of study.

**Conceded Passes**

A conceded pass shall apply only to the following courses of study under the relevant degree or diploma Regulations but who is ineligible for the award of Honours or First or Second Class Pass under the Regulations shall be informed of the standard that he or she would have been awarded had he or she been eligible.

- A candidate at the discretion of the appropriate Faculty may be considered for a conceded pass. No application by the candidate for consideration is required.

**Fail Grades**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D+</td>
<td>Marginal Fail</td>
</tr>
<tr>
<td>D</td>
<td>Clear Fail</td>
</tr>
<tr>
<td>D-</td>
<td>Poor Fail</td>
</tr>
</tbody>
</table>

**Work at Standard of Honours**

7. A candidate whose work is at the standard of Honours or a First or Second Class Pass under the relevant degree or diploma Regulations but who is ineligible for the award of Honours or First or Second Class Pass under the Regulations shall be informed of the standard that he or she would have been awarded had he or she been eligible.

**Recount of Marks**

8. By making application within four weeks from the date of the mailing of his or her official result of the examinations, any candidate sitting for an examination for a degree, diploma, professional qualification, or certificate of proficiency may have the marks awarded his or her script recounted in any paper or subject which he or she has failed. The fee for such a recount shall be as prescribed in the Fees Regulations. A recount of marks covers a careful rechecking of the marks recorded by the examiner and ensures that no answer is overlooked. No information relative to the application will be placed before the examiner. Candidates for the Degree of Bachelor of Architecture, Bachelor of Fine Arts, Bachelor of Music (Performance), Diploma in Music, Bachelor of Optometry, Bachelor of Property, Bachelor of Planning including Intermediate years where applicable.

A candidate at the discretion of the appropriate Faculty may be considered for a conceded pass. No application by the candidate for consideration is required.

**Availability of Scripts**

9. By making application not later than the Friday preceding the Enrolment period a candidate may obtain a photocopy of his or her final examination script.

Note: The prescribed fee for a photocopy of an examination script is $30.00, which includes postage within New Zealand.

**Disabled Students**

10. A candidate who is permanently or temporarily disabled in a manner which affects his or her ability to undertake examinations under the prescribed examination conditions may, upon production of the appropriate evidence, obtain from the Student Health Centre a recommendation which, subject to the approval of the Senate, will enable the candidate to be examined under conditions that take account of the candidate’s particular disability.

**Aegrotat Pass**

11. A candidate who has been prevented by illness or injury from presenting himself or herself at any examination in any paper or subject, or who considers that his or her performance in any examination in any paper or subject has been seriously impaired by illness or injury may on application and with the approval of the Senate be granted an aegrotat pass in such paper or subject if the following conditions are satisfied:

(a) that the candidate is enrolled as an internal student for the course of instruction in the paper or subject in question;
(b) that the illness or injury was reported in writing to the Registrar within one week of the date upon which the examination affected took place or if more than one examination has been affected then within one week of the last of such examinations;
(c) that as soon as practicable after reporting the illness or injury, the candidate furnish to the Registrar a certificate (on the form provided) from a registered medical practitioner which:
   (i) states that the practitioner examined the candidate on a certain date preferably on the actual day for which consideration is being requested or, if this is not possible, the day before or the day after;
   (ii) states that in the practitioner’s opinion, illness or injury of the candidate at the actual time of the examination in question either prevented the candidate from taking the examination or was likely to have seriously impaired his or her performance in it;
(iii) gives sufficient detail of the illness or injury to show clearly that the candidate was not responsible for his or her disability;
(iv) is suitable for submission, in cases of doubt, to a medical referee;
(d) that the candidate's responsible teachers in the paper or subject of the examination in question certify that his or her work therein during the course of instruction was well above the minimum pass standard (or where relevant the minimum standard for a class of Honours) and that he or she is in their opinion clearly worthy to pass in that paper or subject (or where relevant) to be awarded First or Second Class Honours or alternatively that the Senate is satisfied upon considering the quality of the candidate's work during the course of instruction and of any work which he or she has completed in the current examinations (whether in the paper or subject in question or any other paper or subject) that the candidate is clearly worthy to pass in the paper or subject in question or (where relevant) to be awarded First or Second Class Honours OR First or Second Class Pass therein.

Provided that in either case:
(i) Honours may not be given to a candidate who has been awarded a pass under this Regulation in respect of more than two papers for a degree or diploma;
(ii) a candidate for the Degree of Bachelor of Engineering may, on the recommendation of the Senate, be given Honours irrespective of the number of aegrotat passes awarded.

Note: For the fee prescribed under the Fees Regulations for each application for an Aegrotat Pass see Fees Regulations in this Calendar.

Compassionate Pass
12. Where by reason of any exceptional circumstances beyond his or her control other than his or her own illness or injury a candidate has been prevented from presenting himself or herself at any examination in any paper or subject or considers that his or her performance in any examination in any paper or subject has been seriously impaired, he or she may on application and with the approval of the Senate be granted a compassionate pass subject to compliance with the same condition (with necessary changes) as those appearing in Clauses (a) and (d) of Regulation 11. Such an application must be made to the Registrar on the form provided within one week of the last date upon which the examination affected took place, or, if several examinations have been affected, then within one week of the last of those examinations, and must be supported by such evidence as the Registrar shall require.

13. (a) The provisions of Regulations 11 and 12 shall apply to:
(i) any final written examination presented for a paper or subject of a course of study for a degree, or for a diploma, or for a Certificate of Proficiency, or for a professional qualification;
(ii) any final practical examination presented for a paper or subject of a course of study for a degree, or for a diploma, or for a Certificate of Proficiency, or for a professional qualification.
(b) The provisions of Regulation 11 and 12 shall apply (with necessary changes) to:
(i) the final submission in each year of work for the Degree of Bachelor of Fine Arts, or the Degree of Master of Fine Arts;
(ii) the final submission in each year of studio work for the Degree of Bachelor of Architecture as if such final submission were an examination and as if the date upon which such final submission was due were the date of examination.

14. Where (i) a percentage of the marks awarded for a final examination is allocated to a prior written test; and (ii) a candidate is prevented by illness, injury or circumstances beyond his or her control, from sitting the test; or considers that his or her performance in the test has been seriously impaired by any of those causes - then, if the conditions in Clauses (a), (b) and (c) of Regulation 11 are (with the necessary changes) complied with, the candidate may on application and at the discretion of the Senate:
(a) be permitted to sit another written test; or
(b) receive a mark based on the average of marks awarded for other course work; or
(c) take a viva voce examination; or
(d) have the entire mark allocated to the final examination.

15. A candidate who is eligible to apply and has applied for an aegrotat or compassionate pass in any paper or subject may, in exceptional circumstances and on a recommendation from the Head of the Department concerned, be granted permission by the Senate to take a viva voce examination in any paper or subject of his or her aegrotat or compassionate pass application.

Thesis
16. Where a thesis is required as part of an examination the following conditions shall apply:
(a) Diplomas, Bachelors and Masters Degrees
(i) The candidate shall submit two bound copies of the thesis to the Registrar and a short abstract not exceeding 350 words bound in each copy of the thesis.
(ii) The Registrar shall transmit the submitted copies to the examiners.
(iii) On completion of the examination the supervisor of the thesis shall be responsible through the Head of the Department for the deposit of two copies with the University Library.

(b) Degree of Doctor of Philosophy
(i) The candidate shall submit three bound copies of the thesis to the Registrar and a short abstract not exceeding 350 words bound in each copy of the thesis.
(ii) On completion of the examination two copies shall be deposited with the University Library. The disposal of the third copy shall be at the discretion of the Head of the Department.

Notes: (i) In the case of PhD theses, a further unbound copy of the thesis and abstract will be required by the University Library if the candidate wishes to have the thesis approved and published through the University Microfilms International. Information in this connection will be forwarded to the candidate when the Degree is awarded.
(ii) Candidates are recommended to obtain the booklet Guide to the Presentation of Theses from the Library before proceeding with the typing and binding of the thesis. A clear, legible type style is to be used and the thesis must be submitted in hardbound form.
(iii) The author of a thesis has a right to impose conditions restricting the publication of his or her work for such a period as he or she may stipulate without however curtailing the University Librarian's right to make and supply copies thereof in terms of subsection (3) of Section 21 of the Copyright Act (1962).

(iv) Where it is suspected that a thesis contains defamatory material the University Librarian may restrict access to the thesis subject to confirmation by the Library Committee.
(v) Supervisors are requested to notify the University Library when a thesis is submitted if it is believed to contain material which could be considered defamatory.
(vi) Where a thesis has been presented as part of a degree which:
(a) has been awarded but the thesis itself is failed, that thesis will not be deposited in the Library;
(b) has not been awarded, the thesis will not be deposited in the Library irrespective of whether the thesis itself has been given a pass or fail grade.

Examination Centres
17. Pursuant to Regulation 1 hereof The University of Auckland will conduct examinations in the following centres: Apia, Auckland, Dargaville, Gisborne, Lautoka, Nuku'alofa, Paeroa, Rotorua, Rarotonga, Suva and Whangarei. Internal candidates are required to sit their examinations at Auckland.
CONFERMENT OF ACADEMIC QUALIFICATIONS AND ACADEMIC DRESS STATUTE 1992

1. Every degree and every diploma of the University shall be conferred or awarded in pursuance of a resolution of the Council and at a meeting of the Council.

2. Every degree and every diploma of the University shall be conferred or awarded by the Chancellor, or if he or she is absent from the meeting or incapacitated by sickness or otherwise, by the Vice-Chancellor or Pro-Chancellor. The Council may also authorise another person to confer degrees or award diplomas at a particular ceremony.

3. Every recipient of a degree shall receive a certificate in appropriate form, under the Common Seal of the University, that his or her Degree has been conferred and stating the class of Honours (if any) awarded.

4. Every diploma shall be in appropriate form under the Common Seal of the University.

5. At a specified time or times each year the Council shall meet in Convocation of the University to confer Degrees and award Diplomas. Persons wishing to have their degree conferred or diploma awarded (whether in person or in absentia) at such a ceremony shall make application to the Registrar not later than the date specified in the Calendar for this purpose.

6. The form of words to be used by the Chancellor, the Vice-Chancellor, Pro-Chancellor or such other person as may have been appointed by the Council to confer degrees shall be as follows: "By the authority vested in me by resolution of The University of Auckland Council [NAME] confer the degrees stated upon those who, within their several faculties, have satisfied the requirements of this University."

7. The form of words to be used by the Chancellor, the Vice-Chancellor, Pro-Chancellor or such other person as may have been appointed by the Council to award diplomas shall be as follows: "By the authority vested in me by resolution of The University of Auckland Council [NAME] award the diplomas stated upon those who, within their several faculties, have satisfied the requirements of this University."

8. The academic dress worn by members of the University at any public ceremony of the University shall be the costume appropriate of their degree, but doctors may on special occasions wear a scarlet gown and graduates admitted Ad Eundem Statum may wear the academic costume of their own university. Unless the holder of a diploma is also a graduate the only academic dress he or she may wear is an undergraduate gown.

9. The academic costumes of The University of Auckland shall be as follows:

(a) The robe for the Chancellor of the University is a blue damask gown with facings of gold lace, bearing on each shoulder the coat of arms of the University. The cap is a black velvet tresser with gold lace and tassel. The robe for the Pro-Chancellor is a black gown with facings of blue silk and gold lace, bearing on each shoulder the coat of arms. The cap is a black velvet tresser with gold lace with gold tassel. The robe for the Vice-Chancellor is a blue silk gown with facings of silver lace, bearing on each shoulder the coat of arms. The cap is a black velvet tresser with silver tassel. The robe for the Registrar is a gown of black silk with facings of blue silk, bearing on each shoulder the coat of arms. The cap is a black velvet tresser with a black silk tassel.

(b) The gown for a Bachelor's degree is as for the Cambridge Bachelor of Arts. The gown for a Master's degree is as for the Cambridge Master of Arts. The hood for every degree is the size and shape as for the Cambridge Master of Arts. The hood for a Bachelor's degree is lined with coloured satin and bordered with white fur. The hood for a Master's degree is lined with coloured satin only.

The colours of the linings of the hoods for the Bachelor's and Master's degrees are as follows:

<table>
<thead>
<tr>
<th>ARCHITECTURE PROPERTY AND PLANNING</th>
<th>COLLEGE</th>
<th>COLOUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>BArch, MArch</td>
<td></td>
<td>lemon</td>
</tr>
<tr>
<td>MBldgSc</td>
<td></td>
<td>lemon</td>
</tr>
<tr>
<td>BPA, MFA</td>
<td></td>
<td>silver grey</td>
</tr>
<tr>
<td>BPlan, MPlan</td>
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<td>light green</td>
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</tbody>
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<table>
<thead>
<tr>
<th>ARTS</th>
<th>COLLEGE</th>
<th>COLOUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA, MA</td>
<td></td>
<td>pink</td>
</tr>
<tr>
<td>MLitt</td>
<td></td>
<td>pink</td>
</tr>
<tr>
<td>Arts</td>
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<td>pink</td>
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<tr>
<td>Arts</td>
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<td>75 mm</td>
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<table>
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<tr>
<th>COMMERCE</th>
<th>COLLEGE</th>
<th>COLOUR</th>
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<tbody>
<tr>
<td>BCom, BCom(Hons), MCom</td>
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<tr>
<td>MComLaw</td>
<td></td>
<td>orange</td>
</tr>
<tr>
<td>MBA</td>
<td></td>
<td>burgundy</td>
</tr>
<tr>
<td>MTaxS</td>
<td></td>
<td>orange</td>
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<tr>
<td>Arts</td>
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<td></td>
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<td>Arts</td>
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<tr>
<td>BHB</td>
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<td>MBChB, MMedSc, MAud, MHSc, MPH</td>
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<td>crimson</td>
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<tr>
<td>Arts</td>
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<tr>
<td>BMus, BMus(Perf), BMus(Perf)(Hons), MMus</td>
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<td>white</td>
</tr>
<tr>
<td>Arts</td>
<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>SCIENCE</th>
<th>COLLEGE</th>
<th>COLOUR</th>
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<tr>
<td>BSc, BSc(Hons), MSc</td>
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</tr>
<tr>
<td>Arts</td>
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<tr>
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<td>Arts</td>
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<thead>
<tr>
<th>SCIENCE</th>
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<th>COLOUR</th>
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<tbody>
<tr>
<td>BOptom</td>
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<td>blue-green</td>
</tr>
<tr>
<td>Arts</td>
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<td></td>
</tr>
</tbody>
</table>

General Statutes & Regulations
JOINT BOARD OF STUDIES
BTheol, MTheol ............................................. forest green (BCC 26 green).

(c) The gown for the Degree of Doctor of Jurisprudence, the Degree of Doctor of Medicine and the Degree of Doctor of Music is as for the Cambridge Master of Arts with the addition of facings of 50mm wide of satin. The hood is made wholly of satin and this and the facing of the gown is of the following colours for the different degrees:

- Jurisprudence ............................................. light blue (BCC 194 pompadour)
- Medicine ..................................................... crimson (BCC 240 medici crimson)
- Music ......................................................... white (BCC 1 white).

(d) The gown for the Degree of Doctor of Philosophy is as for the Cambridge Master of Arts with the addition of facings 100mm wide: of scarlet satin (75 mm-BCC 209 post office red) edged with gold satin (25 mm-BCC 144 gold). The hood is made wholly of scarlet satin.

(e) The gown for the Degree of Doctor of Engineering, the Degree of Doctor of Laws, the Degree of Doctor of Literature and the Degree of Doctor of Science is as for the Cambridge Master of Arts but it is made of black silk or of scarlet silk or cloth. The hood is made wholly of satin and is of the following colours for the different degrees:

- Engineering ................................................ violet (BCC 179 violet)
- Laws ............................................................. light blue (BCC 194 pompadour)
- Literature .................................................... pink (BCC 32 rosepink)
- Science ....................................................... dark blue (BCC 87 empire blue).

(f) The cap for all graduates other than Doctors and the officers of the University is a black trencher with a tassel.

(g) The cap for all Doctors other than the officers of the University is as for the full dress Cambridge Doctor of Philosophy, namely a round black velvet bonnet with a gold cord around the crown ending in tassels.

Note: (1) The colour of the lining of the hood for the Degree of Master of Philosophy is that of the Masters Degree to which the MPhil relates.
(2) Number references are from the British Colour Council Dictionary of Colour Standards. Approximate colours may be seen on a chart at the enquiry counter at the Registry.

10. The gown for a Fellow of The University of Auckland will be an Undergraduate Gown of the colour University Blue bearing on the left front lapel the coat of arms of the University. No hood or cap shall be worn.

11. The Conferment of Academic Qualifications and Academic Dress Statute 1991 is hereby repealed.

THE DEGREES AND DIPLOMAS STATUTE 1991

At The University of Auckland this 18th day of February 1991.
Pursuant to Section 194(1)(g) of the Education Act 1989, as amended by the Education Amendment Act 1990, the Council of The University of Auckland, after consulting the Senate, hereby makes the following statute:

1. This statute may be cited as the Degrees and Diplomas Statute 1991.
2. The Council shall have power to confer the following awards:

Degrees:
Bachelor of Adult and Higher Education
Bachelor and Master of Architecture
Bachelor and Master of Arts
Master of Audiology
Master of Building Science
Master of Business Administration
Bachelor, Bachelor with Honours and Master of Commerce
Master of Commercial Law
Bachelor, Master and Doctor of Education
Bachelor, Master and Doctor of Engineering
Bachelor and Master of Fine Arts
Master of Health Sciences
Bachelor and Master of Human Biology
Master and Doctor of Jurisprudence
Bachelor, Bachelor with Honours, Master and Doctor of Laws
Master and Doctor of Literature
Master of Management
Bachelor of Medicine and Bachelor of Surgery
Doctor of Medicine
Master of Medical Science
Bachelor, Bachelor (Performance), Bachelor with Honours, Bachelor (Performance) with Honours, Master and Doctor of Music
Bachelor of Music Education
Bachelor of Optometry
Master and Doctor of Philosophy
Bachelor and Master of Planning
Bachelor and Master of Property Administration
Bachelor and Master of Property
Master of Public Health
Bachelor, Bachelor with Honours, Master and Doctor of Science
Bachelor of Science Education
Master of Taxation Studies
Bachelor of Technology
Bachelor and Master of Theology
Diplomas in:
Arts
Arts Administration
Broadcast Communication
Business
Commerce
Community Accident and Emergency Medicine
Computer Science
Counselling
Criminology
Drama
Education
Educational Psychology
Education Studies
English Language Teaching
Environmental Management
Geothermal Energy Technology
Geriatric Medicine
Guidance and Counselling
Gynaecology and Obstetrics
Labour Studies
Local Government and Administration
Management
Mathematical Education
Mathematics Education
Mental Health
Music and Music with Honours
Obstetrics
Paediatrics
Performing Arts
Politics and the News Media
Professional Ethics
Public Health
Pulp and Paper Technology
Science
Science Education
Special Education
Sports Medicine
Statistics

Postgraduates Diplomas in:
Applied Psychology
Arts
Building Science
Clinical Psychology
Fine Arts
Legal Studies
Science
Social Research
Translation

on any person who completes a course of study in accordance with the provisions of the Regulations for that qualification.

3. The Council shall have the power to confer the following Honorary Degrees:

   Doctor of Engineering
   Doctor of Laws
   Doctor of Science
   Doctor of Literature
   Doctor of Music
   A Master's Degree in any Faculty of the University in accordance with the provisions of the Honorary Degrees Regulations 1978.

4. The Degrees Statute 1990 is hereby repealed.

AWARD OF HONORARY DEGREES

Information regarding the procedure and criteria for the nomination of a candidate for an honorary degree may be obtained from either the Vice-Chancellor or the Registrar.
## FEES REGULATIONS

### GENERAL FEES

(All fees are inclusive of 12.5% GST)

<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abandonment each application</td>
<td>$12.00</td>
</tr>
<tr>
<td>Ad Eundem Statum from overseas</td>
<td>$120.00</td>
</tr>
<tr>
<td>Alterations to a Course of Study each application submitted</td>
<td>$30.00</td>
</tr>
<tr>
<td>Academic Certificates each</td>
<td>$5.00</td>
</tr>
<tr>
<td>Aegrotat Pass each paper (maximum $24.00)</td>
<td>$6.00</td>
</tr>
<tr>
<td>Availability of Scripts each paper</td>
<td>$30.00</td>
</tr>
<tr>
<td>Completion of an Auckland Degree or Diploma at an overseas University each application</td>
<td>$60.00</td>
</tr>
<tr>
<td>at a New Zealand University each application</td>
<td>$30.00</td>
</tr>
<tr>
<td>Cross-credits, Credit or Exemptions each paper</td>
<td>$18.00</td>
</tr>
<tr>
<td>Aegrotat Pass each paper (maximum $24.00)</td>
<td>$6.00</td>
</tr>
<tr>
<td>Availability of Scripts each paper</td>
<td>$30.00</td>
</tr>
<tr>
<td>Completion of an Auckland Degree or Diploma at an overseas University each application</td>
<td>$60.00</td>
</tr>
<tr>
<td>at a New Zealand University each application</td>
<td>$30.00</td>
</tr>
<tr>
<td>Cross-credits, Credit or Exemptions each paper</td>
<td>$18.00</td>
</tr>
<tr>
<td>There is a $60.00 maximum for each full-time course as defined under the Section 'Definitions of Full-Time Study' with an overall maximum of $145</td>
<td></td>
</tr>
</tbody>
</table>

### Extramural Enrolment

- **University of Auckland**: 50% of cost of fees as listed under "Tuition, Examinations and Research Fees 1994"
- **Massey University**: Any student whose record is held at The University of Auckland who wishes to enrol extramurally for tuition at Massey University while remaining on Auckland’s books will pay 12.00.

### Provisional Entrance

- Application: $60.00
- Provisional Entrance: $60.00

### Special Admission

- Each application: $12.00

### Recount of Marks

- Each paper: $30.00

### Examination Centres

- Examinations sat in New Zealand but out of Auckland:
  - Single examination (per venue): $60.00
  - Each additional examination at the same venue: $10.00
- Examinations sat outside New Zealand:
  - Single examination (per venue): $90.00
  - Each additional examination at the same venue: $10.00

### Special Statements (e.g. Admission to the Bar etc)

- Each statement: $30.00

### Transfer from another New Zealand University

- Each application: $60.00

### PENALTIES

**Note:** General fees, late fees, fines and penalties are not refundable.

### Cancellation of Student Loans

- Fees credit granted at enrolment: $60.00

### Late Enrolments

**Internal Students**

- After the Enrolment Period: $60.00
- DipG&O, DipObst - after 1 February or 1 August:
  - per week or part of a week: $6.00
- DipPaed - after 1 October:
  - per week or part of a week: $6.00
- MBChB (final year) - after 15 November:
  - per week or part of a week: $6.00

### Late Applications

- Additions to Courses of Study:
  - Applications received after the date prescribed in the Enrolment and Course Regulations (General) Regulation 7:
    - per week or part of a week: $6.00
- Admission Ad Eundem Statum:
  - From a New Zealand University:
    - After 10 January: $60.00
  - From an overseas University:
    - After 1 September for an undergraduate course: $60.00
    - After 30 November for a graduate course: $60.00
- Completion of Degree or Diploma at another University:
  - After 10 January: $60.00
- Pre-Enrolment Application Form after due date:
  - (refer Pre-Enrolment Application Regulations): $50.00
COURSE MATERIALS FEE
Departments may charge for materials supplied. Briefly these materials will be in lieu of text books and charges will vary from department to department, and paper to paper.

STUDENTS' ASSOCIATION FEE
Students enrolled in 1.00 EFTS or more ................................................................. $39.50
Students enrolled in less than 1.00 EFTS pro rata on proportion of EFTS enrolment 
(e.g. if enrolled 0.5 EFTS ......... $69.75)
Notes: 1. The Student's Association Fee payable includes a building levy value of 40% of the fee payable.
2. The Student's Association Fee paid at enrolment will vary according to EFTS total printed on the Fees Invoice at enrolment. If a student adds or deletes a paper(s) after enrolment, the fee will vary according to the EFTS total enrolled in on the amended Fees Invoice. The maximum payable is $139.50.
3. AUSA Fees Exemption Policy
(a) Any member who does not wish to remain a member nor continue to receive the benefits of being a member due to conscientious objection may apply to the Executive Secretary. AUSA no later than 1 May in each year. The application will then be considered by a Committee of the Auckland University Council and provided that the Committee is satisfied that the member has demonstrated an irreconcilable ideological incompatibility with the Association's aims, objectives or policies, the annual subscription of the member shall be refunded in full to a recognised charity nominated by the member, and further that
(b) any member applying due to hardship shall be referred to the appropriate University and Association Funds.

STUDENT SERVICES FEE
Student Services Fee ................................................................. $55.00
All students are required to pay the Services Fee (with limited exceptions).

The following students if they wish to use the Student Services must pay the Student Services Fee and the Students' Association Fee:
(i) Students living outside Auckland and not using the University Facilities other than the Library who are enrolled for thesis, dissertation or research essay.
(ii) Students enrolled full-time at Auckland College of Education or Auckland Institute of Technology, may pay a reduced Student Services Fee of $18.00. Evidence of having paid a Student Services charge at the College or Institute in the same year must be produced at enrolment.
(iii) Students on an approved cadetship may pay a reduced Student Services Fee of $18.00.
(iv) Full-time members of staff who are enrolled for courses may not use the Student Services except by payment of standard charges for non-student users. The Student Health Service is available only in an emergency.
(v) Students sponsored by the United Nations for DipGeothermTech and students under approved University exchange schemes and students enrolled in Wellesley Programme may use the Student Services without payment of the fee.

TUITION, EXAMINATION AND RESEARCH FEES 1995
(For NZ Citizens and Permanent Residents)
(All fees are inclusive of 12.5% GST)

For 1995 Fees Information refer to inside back cover of this Calendar

FULL FEES PAYING INTERNATIONAL STUDENTS
(students who are (i) not New Zealand Citizens; (ii) do not hold permanent residence status in New Zealand; (iii) have been granted a New Zealand Ministry of Foreign Affairs and Trade Fees Scholarship; (iv) are being fully funded under the New Zealand Ministry of Foreign Affairs and Trade Overseas Development Assistance programme; or (v) are exempt from payment of full fees under Section 34B (2) of the Education Amendment Act 1989.)

Undergraduate courses of study
<table>
<thead>
<tr>
<th>Field</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architecture, Engineering</td>
<td>$16,000.00</td>
</tr>
<tr>
<td>Mathematics</td>
<td>$9,500.00</td>
</tr>
<tr>
<td>Commerce, Planning, Property</td>
<td>$11,500.00</td>
</tr>
<tr>
<td>Diploma in Business</td>
<td>$15,000.00</td>
</tr>
<tr>
<td>Education</td>
<td>$12,000.00</td>
</tr>
<tr>
<td>Fine Arts, Science, Technology</td>
<td>$13,000.00</td>
</tr>
<tr>
<td>Law</td>
<td>$10,000.00</td>
</tr>
<tr>
<td>Music</td>
<td>$12,500.00</td>
</tr>
<tr>
<td>Optometry (Year 1)</td>
<td>$20,000.00</td>
</tr>
<tr>
<td>Optometry (Year 2-4)</td>
<td>$26,000.00</td>
</tr>
<tr>
<td>Medicine</td>
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</table>

Postgraduate courses of study
<table>
<thead>
<tr>
<th>Field</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts, Education</td>
<td>$9,500.00</td>
</tr>
<tr>
<td>Law</td>
<td>$10,000.00</td>
</tr>
<tr>
<td>Commerce, Building Science, Planning, Property</td>
<td>$11,500.00</td>
</tr>
<tr>
<td>Music</td>
<td>$12,500.00</td>
</tr>
<tr>
<td>Science, Fine Arts, Medicine, Health Sciences, Optometry</td>
<td>$13,000.00</td>
</tr>
<tr>
<td>Engineering, Architecture</td>
<td>$16,000.00</td>
</tr>
</tbody>
</table>

Notes: 1. The charge covers all tuition fees, the Students' Association fee, the Student Services fee but not other charges such as late fees, notes for courses, field trips.
2. Postgraduate fees for 1995 reflect a subsidy from the University of the difference between actual postgraduate costs and the relevant undergraduate fee in recognition of the valuable contribution which is made by a private postgraduate student to University research.

PAYMENT OF TUITION FEES
Students will pay all fees due at enrolment except in the case of enrolment in courses of study for MBA and DipBus where fees will be paid before the commencement of each session.

Note: Students enrolling in MBA and DipBus who utilise a Student Loan for the payment of their fees will pay all fees due at enrolment instead of at the commencement of each session.

The date for payment of fees for MBA and DipBus papers will be published in the appropriate Graduate School of Business Handbook each year.

Students applying for a loan for payment of fees will be given a credit of that sum in order to complete their enrolment.

Students will be required to pay other charges at enrolment e.g. Students Association fee, Building Levy, Student Services fees, Course materials.

Note: Where every care is taken to correctly calculate fees at enrolment, the amount due is subject to later verification.
NON-PAYMENT OF CHARGES AND FEES
The University Council shall have the right to exclude from the University any student whose fees have not been paid by the due date. Such exclusion does not discharge the debt which will be placed in the hands of the University Debt Collector and while the fees or fines of any kind remain owing the following additional penalties shall apply:
(a) the person's academic results will be withheld;
(b) the person shall not be re-enrolled as a student of the University;
(c) the person shall not be entitled to have his or her record transferred to any other University;
(d) the person will not be entitled to receive a copy of his or her academic record;
(e) the person who has graduated will not receive his or her Degree or Diploma Form.

ADDITIONAL FEES
Departmental fees for costs such as photocopying and materials are in the main being listed on your fees invoice and will be payable as part of your total bill. Some departments though will still be collecting fees separately from you in person at enrolment.

REFUNDS
The full regulations for refunds may be found under Alterations to Course of Study in this Calendar. In general refunds to fees will be made if a completed and approved alteration to course form is received by the Cashier within two weeks of the commencement of your course. You will need to refer to the schedule in Regulation II, Enrolment and Course Regulations (General) in this Calendar as the dates vary according to the course of study. Papers commencing in the second half of the year have the same rule applied i.e. within two weeks of the commencement of the course for deletion and refund. Failure to meet the deadline will mean that you will be unable to have the paper or papers deleted from your academic record and you remain liable for the fees associated with those papers even if you stop attending lectures. The only exception to the two-week deadline is where there are medical or exceptional circumstances which can be substantiated with appropriate professional evidence, and if approved the paper or papers will be deleted from the academic record. In such cases a 50% refund of the tuition fees would be made. If you wish to receive a full refund of all your fees you must submit an alteration to course form within two weeks of the commencement of lectures.

DISCIPLINE
Subject to confirmation on review by the Council.
The Senate has, subject to a right of appeal to the Council, the power to deal with all questions relating to the discipline of students. During the intervals between meetings of the Senate, and subject to a right of appeal to the Senate, the Vice-Chancellor may exercise alone the powers of the Senate as to discipline.

DISCIPLINARY REGULATIONS
1. These Regulations may be cited as the Disciplinary Regulations 1972.
2. These Regulations shall come into force on 1 January, 1973.
3. In these Regulations unless the context otherwise requires:
   'Class' means any lecture, tutorial, seminar, laboratory, or other assembly of students at which tuition is being given and includes any lecture or address within the University at which students are present;
   'Hall' means any hostel or hall of residence or other student accommodation under the control of the Council;
   'Student' means a duly enrolled student of the University and includes for the purposes of Regulation 4 hereof a person applying so to enrol;
   'Students' Association' means the Auckland University Students' Association Incorporated;
   'Warden' means the person who is for the time being in charge of any Hall and includes his duly appointed deputies;
   'The Act' means The University of Auckland Act 1961 and its amendments;
   'The University' includes any institution under the control of the Council;
   'University property' includes property occupied by the University, property owned by any institution under the control of the Council, and any property held by the Crown on behalf of or for the purposes of the University.
   'University precincts' means any land or premises in the possession or occupation of the University.
Words and expressions defined in the Act have the meanings so defined.
4. (a) Every student shall on enrolling at the University sign a declaration in the following form or to the like effect:
   'I hereby solemnly promise that I will faithfully obey the rules and regulations of the University and be bound by the same'.
   (b) The Senate shall have the power to impose conditions on the attendance at classes of any student and to obtain his or her undertaking to observe those conditions, either at his or her enrolment, or in the course of his or her attendance at the University in all cases where in the reasonable opinion of the Senate it is necessary so to do in order to prevent any possible disturbance to the carrying on of normal activities at the University or otherwise to maintain order and discipline.
   (c) The Senate or the Discipline Committee of the Senate may as delegate of the Council exercise the powers conferred on the Council by S.24 (2) of the Act without however preventing the Council from exercising those powers.
5. No student or other member of the University shall:
   (a) act in a manner contrary to the good government of the University or prejudicial to its functioning as such;
   (b) wilfully or recklessly damage or deface, or wilfully move without authority, any property on the University or any other property within the University precincts;
   (c) wilfully impede the activities of the University, whether in teaching, research or otherwise;
   (d) wilfully create any nuisance in or on the University precincts;
   (e) wilfully obstruct any officer or member of the University employed at the University in the performance of his or her functions or of the work he or she is required to perform;
   (f) interfere by offensive behaviour or unwanted attention with the pursuit of work or study by another student, member, or officer of the University or that other person's proper enjoyment of its amenities;
   (g) be in a part of the University precincts in which he or she is not, at that time, entitled to be, knowing that he or she is not entitled to be there at that time;
   (h) (i) start, ride or park without prior permission, a cycle, a motorcycle, or a motor vehicle in University grounds;
   (ii) fail to comply with the University Parking Regulations at all times;
9. The Vice-Chancellor shall have power (subject always to Regulation 14 hereof) to exercise all the powers and authorities of the
University of vehicles and the location of parking spaces;

(j) commit any criminal offence in the University precincts;

(k) smoke

(i) in any building controlled by the University Council, or
(ii) in any vehicle controlled by the Council;

in contravention of the “smoke free” policy of the University, copies of which are obtainable from the Registrar.

(l) commit a breach of any University Statute or Regulation or of any rule of conduct made by any person authorised by the Council or the Senate to make such a rule, provided that the Statute, Regulation, rule or that reasonable notice thereof has been given by other means, to students generally or to the student charged with misconduct, before the misconduct is alleged to have taken place.

6. No student shall:

(a) knowingly fail to identify himself or herself if required or to comply with such directions as may be reasonably made by the Vice-Chancellor, the Registrar, any Professor, member of the Senate, or Lecturer in order to maintain good order and discipline;

(b) knowingly fail to comply with any direction given to him or her by the person in charge of a group of students going to, engaged in, or returning from a field trip or any other academic activity conducted by the University beyond the University precincts, or, while a member of such a group, do anything which would constitute misconduct if done within the University precincts;

(c) fail to comply with any specific Department or Faculty Regulation in regard to appropriate dress in relation to safety or to professional courses;

(d) bring or consume alcoholic liquors within the precincts of the University for other than official functions except with the permission of the Senate. Permission for alcoholic liquors to be consumed at other functions will be subject to the following conditions:

(i) where the function is held in a lecture theatre, reading room, seminar room, staff study or staff common room, one senior member of the staff shall be present throughout the function;

(ii) where the function is held within the facilities under the control of the Student Union Management Committee, a senior member of the staff or a member of the Student Executive or a member of the Student Union Management Committee shall be present throughout the function;

(e) post student notices elsewhere than on the permanent notice boards provided for this purpose, and in accordance with the conditions laid down by the Students’ Association.

7. (a) Where there is misconduct by a student in a class, the person in charge of the class may reprimand the student and may exclude him or her from not more than three successive class meetings. Any such exclusion for more than one class meeting shall be promptly reported to the Vice-Chancellor.

Where there is misconduct by a student in the use of any University facility, the person in charge of the facility may reprimand the student and may exclude him or her from using it for any period or indefinitely. Any such exclusion shall be promptly reported to the Vice-Chancellor except where it is for a period less than one week.

(c) A student reprimanded or excluded under paragraph (a) or paragraph (b) of this Regulation may appeal to the Senate against the reprimand or order for exclusion. The Vice-Chancellor may suspend the operation of the order for exclusion until the appeal has been heard or determined.

(d) In this Regulation, ‘University facility’ includes the Recreation Centre but does not include the University Library and the Computer Centre.

8. The Senate shall have power:

(a) to impose on any student who does not observe the provisions of these Regulations; or the conditions (if any) attached to his or her attendance at classes pursuant to Regulations 4 and 6 thereof; or any direction given under Regulation 11 hereof; or who otherwise commits any breach of University discipline; any one or more of the following penalties as it thinks fit (See also the Examination Regulations):

(i) such sum by way of restitution as may be appropriate for any damage so caused;

(ii) a fine not exceeding $500;

(iii) a suspension from attendance at the University or any of its classes for such period as it thinks fit;

(iv) a prohibition from sitting any test or examination for such period as may be prescribed.

(v) expulsion from the University;

(vi) a limitation or prohibition on his or her attendance at any class or classes at the University or his or her use or enjoyment of any of the facilities of the University;

(vii) the cancellation of any pass which may have been credited in the subject or examination in respect of which the offence has occurred;

(viii) the administering, by the Chairperson, or nominee, of the Discipline Committee, of a written or oral reprimand.

(b) to prohibit the sitting of examinations by any student who is in default with any payment due to the University under these or any other Regulations or any Statute;

(c) to delegate the powers conferred on it by these Regulations to the Discipline Committee of the Senate without thereby preventing itself or the Vice-Chancellor pursuant to Regulation 9 hereof from exercising any such delegated power.

(d) In this Regulation, ‘University facility’ includes the Recreation Centre but does not include the University Library and the Computer Centre.

9. The Vice-Chancellor shall have power (subject always to Regulation 14 hereof) to exercise all the powers and authorities of the Senate under these Regulations and under the Act, including any powers delegated by the Senate to any committee of the Senate, during the intervals between the meetings of the Senate or that Committee.

10. The Vice-Chancellor, the Registrar, the Director of the Computer Centre, the Physical Recreation Officer, the Head of the Audio-Visual Centre, any Warden, or any Professor, member of the Senate or Lecturer shall have power to report any student to the Discipline Committee for any breach of these Regulations.

11. Any Warden shall have the power (subject always to Regulation 14 hereof):

(a) from time to time to give such directions as he or she reasonably thinks fit for the maintenance of good order and discipline within the Hall under his or her charge provided however that all such directions shall if of general application be exhibited on the main notice board of the Hall to which they relate or be provided to each resident in writing;
(b) to impose as he or she thinks fit on any student who does not observe any of the directions so given, anyone or more of the following penalties:
   (i) such sum by way of restitution as may be appropriate for any damage so caused;
   (ii) a fine not exceeding $200;
   (iii) a suspension from attendance at the Hall for such period as the Warden thinks fit;
   (iv) expulsion from the Hall.

12. The Vice-Chancellor, the Registrar, or any Professor, member of the Senate, or Lecturer may, in addition to reporting any breach of these Regulations to the Discipline Committee, order any student to pay the cost of replacing or repairing any University property lost, damaged or destroyed by reason of the wilfulness, negligence or misconduct of that student. Any penalty so ordered shall be paid within 14 days.

13. The Executive of the Students' Association shall (without prejudice to the power of the Senate under S.34 (3) of the Act) have power of disciplinary control over students within the Student Union Building or the precincts of the Student Union Building and in exercise of that power may:
   (i) impose a fine not exceeding $25 on any student guilty of any act prejudicial to the maintenance of discipline therein, and
   (ii) (whether or not in addition to imposing a fine) order any student to pay as a penalty the cost of replacing or repairing any property therein lost, damaged or destroyed by reason of wilfulness, negligence or misconduct of that student.

14. (a) (i) All fines and other penalties imposed under Regulation 9 and 12 or by the Discipline Committee under powers delegated to it under Regulation 8 and all suspensions or expulsions under Regulation 11(b)(iii) and (iv), shall forthwith be reported to the Senate by the person or body imposing them.
   (ii) Every Warden shall maintain, and shall produce when required to do so by the Registrar, a register in which shall be entered details (including the reason for its being imposed) under Regulation 11(b)(i) and (ii).
   (b) Any student on whom a fine or other penalty is imposed under Regulation 9, 11 and 12 hereof or by any committee of the Senate under powers delegated under Regulation 8 may within fourteen (14) days of imposition of that penalty, by giving notice to the Registrar in writing, appeal to the Senate against it. The Senate may hear and determine an appeal in such manner as it thinks proper.
   (c) Any student who suffers any penalty under these Regulations by a decision of the Senate or the Discipline Committee of the Senate or the Executive of the Students' Association or whose appeal under the preceding clause of this Regulation is dismissed by a decision of the Senate may within fourteen (14) days of that decision, by giving notice to the Registrar in writing, appeal against it to the Council which may hear and determine the appeal in such manner as it thinks proper. The decision of the Council shall be final.

15. (a) The grounds of Old Government House are open to all members of the University for their individual use for the purpose of quiet recreation.
   (b) No organised group activities will be permitted in those grounds without specific permission of the Vice-Chancellor, acting on behalf of the Council, given in each case and in such terms as are appropriate.
   (c) Members of the University may bring guests into the University grounds but not into the grounds of Old Government House except in terms of Clauses (a) and (b) above.
   (d) At all times and more particularly at night, members of the University and their guests shall act in such a way as not to cause disturbance or inconvenience to those living in the grounds (both occupants of Old Government House and members of the custodial staff), or to residents in the immediate neighbourhood.

Notes: (i) If the above requirements are observed, no time limit on the use of the grounds will be necessary, nor shall there be any need for the Police to be on the campus by invitation or otherwise.
   (ii) Members of the University while in the grounds are free to observe demonstrations which may occur in the adjoining streets, but they are reminded that the Statutory and Common Law powers of the Police enable the Police to enter the University campus and to take appropriate action in relation to offences committed therein and to prevent a breach of the peace.
   (iii) Whenever it appears likely that demonstrations of the kind mentioned in note (ii) above will occur, the Vice-Chancellor shall consult with the appropriate representative of staff and students.
   (iv) Any privileges of staff, students and their guests in respect of the use of the grounds, may be withdrawn by the Vice-Chancellor, acting on behalf of Council; the Vice-Chancellor shall report the circumstances to the next following meeting of the Senate and Council.

16. (a) No member of the Security Service enrolled as a student at the University shall carry out any inquiries into security matters within the precincts of the University.
   (b) The proposed attendance of a member of the Security Service at the University shall be discussed between the Security Service and the University Authorities before his or her enrolment.

17. After the discussions contemplated in the preceding sub-clause 16 (b) have been held, the Senate shall determine each year what special conditions (if any) as to attendance at classes shall apply to students who are members of the Security Service in order to maintain discipline among the students of the University by preventing any possible disturbance to the carrying out of normal teaching activities.

18. Nothing in these Regulations shall prejudice the rights and remedies of the University under the general law in respect of the misconduct or negligence of any student.

COMPUTER SYSTEM REGULATIONS

Pursuant to section 22 of The University of Auckland Act, 1961 the Council of the University makes the following Regulations:

1. These Regulations may be cited as the Computer System Regulations 1975 and shall come into force on 1 January 1976.

2. In these Regulations, unless the context otherwise requires - "System" means any Computer System controlled and operated by the Council whether at the Computer Centre established in the University or elsewhere. "Director" in relation to any System means the person authorised by the Council to control it.

3. No student or any other member of the University shall:
   (a) without authority of the Director gain access or attempt to gain access to the System;
   (b) obtain or attempt to obtain from the System any information to which he or she is not entitled;
   (c) use the system to make unauthorised use of any other system, whether in the University or outside it;
   (d) wilfully impede or attempt to impede the operation or activity of any other user;
   (e) use or attempt to use the System so as to cause costs to be incurred:
       (i) by the University, without the consent of his Head of Department and the Head of any other Department concerned;
4. (a) Any breach of Regulation 3 of these Regulations shall be deemed to be a breach of the Disciplinary Regulations of the University.
(b) (i) Without prejudice to the application and operation of the Disciplinary Regulations, the Director may exclude from use of the System, for such period as the Director thinks fit, any person who has done anything in breach of Regulation 3 or has misused or attempted to misuse the System in any way.
(ii) The Director shall forthwith report any such exclusion to the Vice-Chancellor.
(iii) Any person so excluded may appeal to the Council against the exclusion.

Note: Application to use a Computer System must be made to the person in control — that is, to the Director of the Computer Centre or, in the case of a system under the control of a Head of Department, to that Head of Department or nominee.

LIBRARY REGULATIONS

1. These Regulations may be cited as the Library Regulations 1970 and shall come into force on 1 January, 1971.
2. Except where otherwise stated:
(a) these Regulations shall apply to all sections of the University Library, that is, the General Library, Architecture Property and Planning, Audio-Visual, Biological Sciences, Centre for Continuing Education, Engineering, Fine Arts, Geography, Law, Te Hukatā (Maori Studies), Medicine, Music, Science, Tamaki and such other sections as may be added by the Senate;
(b) in these Regulations "books" includes all types of printed, written, photographic, audio-visual and machine-readable material.

3. The hours of opening shall be:
- Mondays to Thursdays: 8.30 a.m. - 11 p.m.
- Fridays: 8.30 a.m. - 8 p.m.
- (Third Term - 11 p.m.)
- Summer Vacation: 9 a.m. - 5 p.m.
- (Wed - 8 p.m.)

The Library shall be closed on Anniversary Day, Waitangi Day, Good Friday, Easter Saturday, Easter Sunday, Easter Monday, Anzac Day, Queen's Birthday and for up to two weeks from and including Christmas Eve. These hours may be varied at the discretion of the University Librarian and any variation shall be appropriately notified in the General Library.

4. (a) All members of the University Council, all professors, lecturers and junior lecturers, all enrolled students of the University, and all library, administrative and technical staff shall be readers for the purpose of these Regulations and may:
(i) use all sections of the Library; and
(ii) on completion of such registration formalities as the University Librarian requires, borrow books from it; provided that no person shall be deemed an undergraduate member of the University unless he or she is currently enrolled as such.
(b) By special permission of the University Librarian any person not included among those authorised by clause (a) of this Regulation may be a reader and accorded full or partial use of Library facilities.
(c) The University Librarian, may at any time require from any reader as a condition of that reader's use of the Library and borrowing facilities that he or she pay to the University a sum of not more than twice the approved readers' fee as a deposit to be applied in payment or part payment of any sum for which he or she may become liable under Regulation 6 (d). Any balance of the deposit shall be refunded on the termination of his or her use of the library.
(d) Persons admitted as approved readers under clause (b) of this Regulation may be charged an annual fee which shall be determined by the Library Committee from time to time. No fee shall be charged to retired members of the University staff or such persons as the University Librarian may determine.

Note: The fee for 1995 will be $171 including GST.

Borrowing

5. (a) No reader shall borrow any book otherwise than in accordance with these Regulations.
(b) (General Library only). Borrowing starts at 9 a.m. and ceases 20 minutes before closing time. The hours during which books may be borrowed may be varied at the discretion of the University Librarian. Borrowers shall present each book at the exit for stamping, along with their identity card. The desk assistant shall stamp the book with the date on which it is to be returned.
(c) Any person leaving the Library shall on demand present all books and personal property for inspection.
(d) (General Library only). Unless a book on the open shelves is marked "Not to be borrowed" or is otherwise restricted, it may be borrowed until the end of next term by academic staff and for four weeks by other borrowers or for such shorter periods as the University Librarian may decide. Borrowers shall be required to check the date stamped in the book by the desk assistant. Glass Case books without "Not to be borrowed" labels may be borrowed for a fortnight only. All other materials shall be used only in the Library except that academic staff may borrow bound volumes of periodicals for seven days non-renewable, and theses for fourteen days. Postgraduate students may borrow theses for fourteen days.
(e) Books from any section other than the General Library shall be borrowed direct from that section and returned to it.
(f) All books shall be subject to recall within 24 hours at any time during the year, including study breaks and summer vacation. Borrowers who fail to respond to a recall notice within 24 hours shall incur a fine (including GST) of $1.50 plus $1.50 for each further 24 hours that the book is overdue. Borrowers who retain other books beyond the date for return stamped on the date slip incur a fine (including GST) of 25c per day whether a notice has been sent or not.
(g) The University Librarian shall be under no obligation to notify borrowers when books are overdue and a fine may still be charged when books are returned after the date stamped, even though no notice has been received.
(h) Books may be renewed at the expiry of a loan period by presenting them at the Lending Desk. Renewal will be refused if the book is reserved and may be refused at the discretion of an authorised librarian. (General Library only, only Glass Case items and theses can be renewed by letter or telephone).
6. (a) Bags, satchels and briefcases shall not be taken into the Library.

(b) Under no circumstances shall a book be passed on to another reader without being reissued in that reader’s name. Where this Regulation is broken the reader in whose name the book is issued shall remain liable for all fines payable by reason of failure to return a book which is overdue or recalled.

(c) Every reader shall immediately notify to the Library any change of his or her address.

(d) (i) Readers shall be responsible for and shall make good, any loss of or damage to books on loan to them or being used by them in the Library. In addition to the cost of replacement or repair, readers may be charged an administration fee of $10 (including GST), whether or not the book if lost is subsequently found and returned in good order.

(ii) The loss of a book shall be reported immediately to an authorised librarian.

(iii) A lost book remains the property of the University, notwithstanding payment of the bill for its replacement, and must be returned if found. A refund (in whole or part, according to the condition of the book on return) will be made for it but the administration fee may be retained.

(e) No reader shall deface or mark any book or any piece of library furniture or property.

(f) The reservation of seats in the Library shall not be permitted. Books and any other articles left for any length of time on chairs or tables may be removed by any of the Library staff. No responsibility is accepted for personal belongings left in the Library.

(g) There shall be no noisy or disruptive behaviour in public reading areas.

(h) Bottles of ink shall not be brought into the Library.

(i) No reader shall smoke or shall consume food or drink in any part of the Library open to readers. Any authorised librarian may confiscate food and drink brought into a consumable state into the Library.

(j) A warning signal will be given 15 minutes before closing time and all readers shall vacate the Library by closing time.

(k) Library fines or bills shall be paid at the lending desk of the Library concerned. University invoices shall be paid to the University Cashier.

(l) Where a fine or charge is not paid within 14 days of becoming due:

(i) the University Librarian may withdraw library privileges from the reader in default for such period as he or she thinks fit;

(ii) the Senate may impose on the reader any of the following penalties: prohibit the sitting of examinations; withholding of examination scripts; refusal of re-enrolment for the next academic year; disqualification from graduation.

(m) No reader may borrow from the Library while any fine or charge payable by him or her is outstanding.

(n) In the case of any reader who acts or behaves in the Library in a disorderly or improper manner or otherwise in breach of these regulations

(i) An authorised librarian may require that person to withdraw from the Library and, if that person is a staff member or student, may impose a fine not exceeding $10 on that person; and

(ii) the University Librarian may withdraw library privileges from that person for such a period as he or she thinks fit.

(o) No reader shall knowingly fail to identify himself or herself if required, or to comply with such directions as may be reasonably made, by any authorised librarian in order to maintain good order and discipline.

(p) Where a penalty is imposed on any reader under these Regulations, the Council shall, if requested by that reader, arrange for the review of the amount of the penalty.

(q) Nothing in these Regulations shall limit the application to the Library (where relevant) of the Disciplinary Regulations 1972.

Note: The unauthorised borrowing or removal of books is regarded as a serious disciplinary offence.

7. Every reader using copying facilities in the Library shall duly comply with the laws on copyright.

Note: (i) Readers are warned that if a copyright work is copied the copying must be a "fair dealing for the purpose of research or private study only" to comply with the laws on copyright. What is a fair dealing involves consideration of both the quantity and quality of what is copied. Although no blanket rule can be given, the following rules must be observed:

1. You may only make one copy of the work.
2. You may not make a copy for another person.
3. You may not make a copy of the whole work.
4. Amount copied:
   4.1 You must not copy the whole of a work. In each case the copying must not exceed a fair and reasonable amount of the whole work. By way of guideline only, please note:
   4.2 Journals: no more than one article should be copied from a single issue of a periodical.
   4.3 Books: you must not copy a whole chapter. In no case should the total amount copied exceed 10% of the whole work. A single extract should not exceed 4,000 words. If a series of extracts is required, each extract should not exceed 3,000 words nor should the total exceed 8,000 words.

N.B. The Act allows a University teacher to make a copy in some circumstances where a student or a member of the public may not be permitted to make a copy.

(ii) These rules apply to card-operated copying machines and not to photocopying supplied by librarians.

(iii) Failure to observe these rules may be treated as a breach of discipline. Users who are in doubt as to whether an item is in copyright should consult a member of the Library staff.
WELLESLEY PROGRAMME

The Wellesley programme is especially designed to give students the necessary skills and confidence to begin tertiary studies. The main target groups are those who have been out of school for two or more years and those in under represented groups at universities and technical institutes. Applicants should be motivated and prepared to make a commitment for one year to prepare themselves for first-year tertiary studies. Those who complete the programme should have the same chance of success in appropriate first-year courses as any first-year student.

NEW START PROGRAMME

New Start for Commerce - a year long course (two hours per week) providing a comprehensive introduction to Mathematics, Accounting and Economics. On satisfactory completion of this course students may make application to enrol in Part I of BCom, DipBus or the MBA programme. A GMAT preparation course is also offered to MBA applicants.

New Start for BA, BTheol, LawInt, BPlan - a ten week course (two hours per week) providing an introduction to subjects in the Arts Faculty.

New Start programmes include study skills and subject lectures, regular assignments, tests and realistic feedback. Students gain information on the structure of university degrees, knowledge of and practice in skills required for success, and an insight into the standard of work expected. The programme provides the University with criteria to evaluate applications to limited entry courses. Educational Guidance is an integral part of New Start and students are offered assistance in planning their on-going courses of study.

Alongside New Start are short Introductory Courses in specific subjects, a wide range of study skills workshops and other supportive activities.

New Start also caters for people with physical disabilities who may need special assistance in getting started.

The Centre for Continuing Education offers Certificate programmes in Adult Education, School Leadership, Training and Development, and Womens Studies. On satisfactory completion of a Certificate course a student may receive a credit of four papers towards the BA degree. These are listed in the Continuing Education Chapter of this Calendar.

INTERNATIONAL STUDENTS

The following notes are intended to be a general guide for international students wishing to enrol at The University of Auckland. Further information and application forms are available from the International Students Office.

Admission

International students must apply for admission on the appropriate application form. Intending applicants should note the following general points:

1. All international students enrolling in an undergraduate course must hold as a minimum requirement, an acceptable university entrance qualification.
2. Graduates of overseas universities seeking admission to graduate or postgraduate courses must apply to have their overseas degree recognised (Admission Ad Eundem Statum).
3. Applicants whose first language is not English will be required to provide satisfactory evidence of their proficiency in English language such as a minimum score of 550 or more in the TOEFL test or 6.0 in the IELTS.
4. All International students must have a student visa before entering New Zealand and a valid student permit for the duration of their studies. Further information regarding the various requirements of the New Zealand Immigration Service can be obtained from the nearest New Zealand High Commission or Immigration Office.
5. An offer of a place at the University does not guarantee that the student will be issued with a student visa.
6. Permanent residents of Australia and New Zealand, Australian citizens, and student from the Cook Islands, Tokelau or Niue who are New Zealand citizens, are eligible for enrolment on the same basis as New Zealand students and do not need to apply for admission as international students.

Tuition Fees

Refer to Fees Regulations in this Calendar.

Scholarships and Financial Assistance

The Ministry of Foreign Affairs and Trade awards a limited number of scholarships and fees scholarships to students from identified developing countries. Enquiries should be directed to the nearest New Zealand High Commission. Postgraduate fees for 1995 reflect a subsidy from the University of the difference between actual postgraduate costs and the relevant undergraduate fee in recognition of the valuable contribution which is made by a private postgraduate student to University research. Enquiries regarding courses, fees or scholarships should be made to the International Students Office, Telephone 649 373-7513, Facsimile 649-373-7405.

ENGLISH AS A SECOND LANGUAGE

New Zealand residents of less than two years' standing, whose first language is not English, seeking admission to The University of Auckland are strongly advised to enrol in the paper 590.001 English Language Acquisition. This paper is a non-credit paper which can be taken in addition to a full-time programme or alongside a limited full time programme. It will also be available under the same conditions to other students who seek or are advised to undertake it.
# Faculty of Architecture Property and Planning

## General Information

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## Department of Architecture

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<th>Degree Course</th>
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<td>Degree of Master of Property</td>
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## Department of Planning

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<td>Degree of Master of Planning</td>
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</tbody>
</table>
GENERAL INFORMATION

FACULTY OF ARCHITECTURE PROPERTY AND PLANNING

Three Professional degrees are offered within the Faculty.

Bachelor of Architecture (BArch)
The Degree of Bachelor of Architecture is recognised by the New Zealand Institute of Architects and the Architects Education & Registration Board for professional membership and registration. It is also recommended for recognition by the Commonwealth Association of Architects to all member institutes in the Commonwealth. The course comprises five professional years. Students select credits from five subject areas - design; architectural technology; history, theory and criticism; practice and management; drawing, computing and communication - with a wide range of advanced electives in the later years.

Bachelor of Property (BProp)
The Degree of Bachelor of Property is recognised by the New Zealand Institute of Valuers, the Valuers Registration Board, the Property Management Institute, the Real Estate Institute of New Zealand and the Commonwealth Association of Surveying & Land Economy. The course comprises three professional years, and provides a synthesis of studies concerned with the use, management, valuation, development, financing, marketing, acquisition and transfer of primarily urban land and buildings, and with the economic, legal, sociological and technological factors which affect the ownership of the proprietary interests involved.

Bachelor of Planning (BPlan)
The Degree of Bachelor of Planning is recognised by the New Zealand Planning Institute. The course has four professional years of study in which the principal continuing components are Studio and papers grouped under the headings of planning concepts, technical skills and practice and management. Graduates with qualifications in approved subject areas may complete the BPlan degree in two years.

Master of Architecture (MArch)
The Degree of Master of Architecture involves the equivalent of seven papers and may include a major project (worth two papers), or a thesis (worth four papers), or both. A range of papers is available in each of the five subject areas of BArch. The degree requires at least one and not more than three years, and may be taken full or part time. BArch is prerequisite.

Master of Building Science (MBldgSc)
The Master of Building Science involves the equivalent of seven papers and may include a Major Project (worth two papers) or a Thesis (worth four papers), or both. Coursework for the programme of study is offered as evening classes so that students may conveniently attend on a part-time basis. BArch or BE is prerequisite.

Master of Property (MProp)
The Degree of Master of Property consists of three papers in advanced aspects of property administration and a thesis. It may be completed in two years of full-time study, or in up to three years part-time. The prerequisite is BProp with grades averaging C+ or DipVal or DipUrbVal subject to special conditions.

Master of Planning (MPlan)
The Degree of Master of Planning, for which BPlan or an equivalent degree is prerequisite, consists of seven papers in advanced planning or planning-related subjects and may include a research project (worth two papers) and a thesis (worth four papers). The course may be taken part-time over three years.

Postgraduate Diploma in Building Science (PGDipBldgSc)
The Postgraduate Diploma in Building Science involves the equivalent of four papers and may include a Major Project (worth two papers) and/or appropriate Master’s level papers offered by the Department of Mechanical Engineering, in consultation with the Head of that Department. A BArch or BE is prerequisite.

Diploma in Environmental Management (DipEnvirMgmt)
The Diploma in Environmental Management is an Inter-Faculty offering. For detailed Regulations refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

DEGREE COURSE REGULATIONS

DEPARTMENT OF ARCHITECTURE

THE DEGREE OF BACHELOR OF ARCHITECTURE BArch

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. (a) Subject to the Admission Regulations and except as otherwise provided in these Regulations, candidates for the Degree of Bachelor of Architecture shall
   (i) follow a course of study of not less than five years
   (ii) pass each of the five Architecture Examinations
   (b) Except with the permission of the Senate no candidate for this Degree shall enrol in any one year for more than 42 credits.
2. No candidate shall be credited for this Degree with any paper the same as or substantially similar to a paper already passed for any other Degree or Diploma

Admission
3. (a) Admission to the course shall be at the discretion of the Senate. Application for admission shall be made on the prescribed form by the set dates set out in the pre-enrolment regulations.
   (b) Admission shall be granted or withheld upon consideration of the past performance of the applicant at school or in university or public examinations, a portfolio and upon an interview where this is required.

Concessions
4. Candidates who have been awarded or qualified for admission to a relevant degree or have completed with merit a relevant recognised tertiary qualification may be granted admission with such credits as approved by the Senate up to a maximum of 72 credits.
The tertiary qualifications currently recognised under Regulation 4 of these Regulations include the New Zealand Certificate in Building, the New Zealand Certificate in Draughting (Architecture) and the New Zealand Certificate in Engineering (Civil).

### Examinations

5. (a) Candidates shall be required to pass as a whole each Architecture Examination so that their performance in all papers of the Examination shall be considered, but where candidates fail to pass an Architecture Examination as a whole they may at the discretion of the Senate be credited with a paper or papers of that Examination, and be permitted in a subsequent year to present the paper or papers not so credited, together with a paper or papers of the next succeeding Architecture Examination.

(b) Candidates whose course in any year consists of more or fewer papers than a full Examination or whose course is taken from more than one Examination shall have their performance in all papers taken in that year considered as a whole.

6. (a) For each Architecture Examination a candidate shall pass 36 credits from the subjects set out in the Schedule to Regulation 9.

(b) Before proceeding beyond the Third Architecture Examination a candidate shall pass 108 credits including mandatory papers:

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Restrictions</th>
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<tr>
<td>111.100</td>
<td>Design 100</td>
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<td>111.200</td>
<td>Design 2A</td>
<td></td>
<td>6</td>
<td>12 cr Design 1</td>
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<tr>
<td>111.201</td>
<td>Design 2B</td>
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<td>3</td>
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<td>111.200</td>
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<td>111.202</td>
<td>Design 2C</td>
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<td>3</td>
<td></td>
<td>111.200</td>
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<tr>
<td>111.203</td>
<td>Design 2D</td>
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<td>3</td>
<td></td>
<td>111.200</td>
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<tr>
<td>111.300</td>
<td>Design 3A</td>
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<td>6</td>
<td>12 cr Design 2</td>
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<td></td>
</tr>
<tr>
<td>111.301</td>
<td>Design 3B</td>
<td></td>
<td>3</td>
<td></td>
<td>111.300</td>
<td></td>
</tr>
<tr>
<td>111.302</td>
<td>Design 3C</td>
<td></td>
<td>3</td>
<td></td>
<td>111.300</td>
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</tr>
<tr>
<td>111.303</td>
<td>Design 3D</td>
<td></td>
<td>3</td>
<td></td>
<td>111.300</td>
<td></td>
</tr>
</tbody>
</table>

Note: The subject area shown.

- Elective Studies (3 credits), Research Reports (6 credits) and Thesis (12 credits) are each based on an approved advanced topic.
- The heading ‘restrictions’ in relation to a paper refers to a paper which cannot be taken in addition to that paper.
- The heading ‘corequisites’ in relation to a paper refers to other papers which must be taken concurrently with that paper or have been passed in a previous year.
- The heading ‘prerequisites’ in relation to a paper refers to other papers or combinations of papers which must be passed before the candidate may take that paper.
- If a paper is offered for the Degree of Bachelor of Architecture within the five departmental subject areas, it will be considered; but where candidates fail to pass an Architecture Examination as a whole they may at the discretion of the Senate be credited with a paper or papers of that Examination, and be permitted in a subsequent year to present the paper or papers not so credited, together with a paper or papers of the next succeeding Architecture Examination.

7. A candidate may not take a subject unless he or she has passed or been exempted the prerequisite subject for that subject as provided in Regulation 9, and the Schedule to it; provided that:

(a) where a prerequisite has been waived by the Head of Department and imposed instead as a corequisite to allow a student to enrol in an advanced paper, then the advanced paper may not be credited as a pass for the candidate’s course of study unless and until the candidate has passed the corequisite.

(b) where the candidate has passed the corequisite.

8. The Degree of Bachelor of Architecture may be awarded with or without Honours according to the standard of the candidate’s work in the best 48 credits from papers at the 200 level or higher taken for the Fourth or Fifth Architecture Examination, including 12 credits drawn from Fifth Architecture Examination Design papers, Research Reports or Thesis.

9. (a) This Schedule sets out paper numbers, titles of papers, credits, prerequisites, corequisites and other conditions applying to papers offered for the Degree of Bachelor of Architecture within the five departmental subject areas.

(b) The Schedule shall be read with the other Regulations for the Degree and with the prescriptions set out elsewhere in the Calendar.

(c) The heading ‘prerequisites’ in relation to a paper refers to other papers or combinations of papers which must be passed before the candidate may take that paper.

(d) The heading ‘corequisites’ in relation to a paper refers to other papers which must be taken concurrently with that paper or have been passed in a previous year.

(e) The heading ‘restrictions’ in relation to a paper refers to a paper which cannot be taken in addition to that paper.

(f) Elective Studies (3 credits), Research Reports (6 credits) and Thesis (12 credits) are each based on an approved advanced topic in the subject area shown.
<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Restrictions</th>
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<tr>
<td>111.400</td>
<td>Design 4A</td>
<td>6</td>
<td>12 Cr Design 3</td>
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<td>111.401</td>
<td>Design 4B</td>
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<td>111.402</td>
<td>Design 4C</td>
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<td>111.400</td>
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<td>111.403</td>
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<td>111.400</td>
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<td>111.404</td>
<td>Design Elective</td>
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<td>111.400</td>
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<tr>
<td>111.500</td>
<td>Design 5A</td>
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<td>12Cr Design 4</td>
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<tr>
<td>111.501</td>
<td>Design 5B</td>
<td>3</td>
<td>12Cr Design 4</td>
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<tr>
<td>111.502</td>
<td>Design 5C</td>
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<td>12Cr Design 4</td>
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<td>111.503</td>
<td>Design 5D</td>
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<td>12Cr Design 4</td>
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<td>111.509</td>
<td>Thesis</td>
<td>12</td>
<td>12Cr Design 4</td>
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Note: (i) Some elective programmes in Design 4 will have nominated prerequisite papers, to be notified each year by the Head of the Department.
(ii) In Design papers above A = term 1, B = first half of term 2, C = second half of term 2, D = term 3.

**ARCHITECTURAL TECHNOLOGY SUBJECT AREA**

111.111 Principles of Architectural Technology

- Principles of Architectural Science: 4
  - Construction & Structure 1: 5 111.110
  - Construction & Structure 2: 5 111.210
  - Sound: 2 111.311
  - Lighting: 2 111.312
  - Thermal Environment: 2 111.313
  - Services: 2 111.314
  - Ergonomics: 2 111.315
  - Workshop Project: 2 111.410
  - Advanced Structure: 3 111.411

111.411 Multi-storey Construction: 3 111.411

111.412 Timber Technology: 2 111.411

111.413 Alternative Technologies: 2 111.411 and 111.310

111.414 Acoustics: 3 111.411

111.415 Noise Control: 3 111.411

111.416 Audio Systems Design: 2 111.411

111.417 Advanced Lighting: 3 111.411

111.418 Energy Efficient Design - Residential: 3 111.411

111.419 Energy Efficient Design - Commercial: 3 111.411

111.420 Advanced Services: 2 111.420

111.421 Lighting Project: 2 111.421

111.422 Multi-storey Construction Project: 2 111.422

111.423 Advanced Services Project: 2 111.423

111.424 The NZ House Construction Project: 2 111.424

111.425 Architectural Aerodynamics: 2 111.425

111.426 Special Topics: 2 Permission of Head of Department required

111.510 Elective Studies: 3 Permission of Head of Department required

111.514 Advanced Energy Studies - Residential: 3 111.514

111.515 Advanced Energy Studies - Commercial: 3 111.515

111.516 Advanced Multi-storey Construction: 3 111.516

111.520 Research Reports: 6 12Cr in Design 4

111.521 Thesis: 12 12Cr in Design 4

**HISTORY, THEORY & CRITICISM SUBJECT AREA**

111.130 History of Architecture: 5 111.130

111.131 Theories of Architecture: 5 111.131
<table>
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<tr>
<th>Paper No.</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Restrictions</th>
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<tr>
<td>111.230</td>
<td>Egyptian Architecture</td>
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<td>2</td>
<td>111.130</td>
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<tr>
<td>111.231</td>
<td>Byzantine Architecture</td>
<td>*</td>
<td>2</td>
<td>111.130111.232</td>
<td>Renaissance &amp; Baroque</td>
<td>*</td>
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<tr>
<td>111.232</td>
<td>Modern Italian Architecture</td>
<td></td>
<td>2</td>
<td>111.130</td>
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<tr>
<td>111.233</td>
<td>Ancient &amp; Medieval Architecture</td>
<td>*</td>
<td>2</td>
<td>111.130</td>
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<tr>
<td>111.234</td>
<td>Contemporary Dutch Architecture</td>
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<td>2</td>
<td>111.130</td>
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<tr>
<td>111.235</td>
<td>Vernacular Architecture</td>
<td></td>
<td>2</td>
<td>111.130 and 111.131</td>
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<td>111.236</td>
<td>Design Procedures</td>
<td>*</td>
<td>2</td>
<td>111.130 and 111.131</td>
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<td>111.237</td>
<td>The House</td>
<td>*</td>
<td>2</td>
<td>111.130 and 111.131</td>
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<td>111.238</td>
<td>Composition, Scale &amp; Proportion</td>
<td>*</td>
<td>2</td>
<td>111.130 and 111.131</td>
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<td>111.239</td>
<td>Architectural Interpretation</td>
<td>*</td>
<td>2</td>
<td>111.130 and 111.131</td>
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<td>111.240</td>
<td>Organic Architecture</td>
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<td>111.130 and 111.131</td>
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<td>111.241</td>
<td>Women &amp; Architecture</td>
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<td>111.130 and 111.131</td>
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<td>111.242</td>
<td>Oceanic Architecture</td>
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<td>111.243</td>
<td>Built Form &amp; Culture</td>
<td>*</td>
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<td>111.130 and 111.131</td>
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<td>111.244</td>
<td>New Zealand Architecture</td>
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<td>111.130 and 111.131</td>
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<td>111.245</td>
<td>Special Topics in Architectural</td>
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<td>111.246</td>
<td>History of Theory</td>
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<td>111.247</td>
<td>Urban Design 1</td>
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<td>2</td>
<td>111.131</td>
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<td>111.248</td>
<td>Architectural Psychology</td>
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<td>Representation in Architecture</td>
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<td>111.250</td>
<td>Introduction to Building Conservation</td>
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<td>111.251</td>
<td>Beginnings of Modern Architecture</td>
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**PRACTICE & MANAGEMENT SUBJECT AREA**

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Note: (i) * Shared papers will not be taught during the current Calendar year
(f) Duplicated papers will not be taught during the current Calendar year unless sufficient staff are available
(ii) Consult the Department for details of special topics offered in the current calendar year.

Transitional
10. (a) Except as otherwise provided in this Regulation, the course of study of every candidate shall be governed by these Regulations.
   (b) A candidate who gained credits in any subject or paper under any of the former Regulations for this Degree shall be credited with such equivalent papers and credits as may be determined by the Senate.
   (c) A candidate who has completed at an acceptable standard the Architecture Intermediate Examination as described in Regulation 6 of the 1992 Regulations shall be exempt from the First Architecture Examination and transfer to these Regulations subject to a restriction to a maximum of 10 in the number of credits for a paper or papers as defined in the regulations for any other degree or diploma which may be awarded for this Degree.

Exceptions
11. The Senate may, in such cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

Commencement
12. These regulations shall come into force on 1 January 1993.

THE DEGREE OF MASTER OF ARCHITECTURE MArch

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

1. Subject to the Admission Regulations, a candidate for the Degree of Master of Architecture shall before enrolment for this Degree have been admitted or qualified for admission to the Degree of Bachelor of Architecture.

Note: A candidate who has been awarded the Diploma in Architecture and has approved professional experience shall be eligible to enroll for this degree.

2. Every candidate for this Degree shall:
   (a) follow a course of study of not less than one year, and
   (b) (i) pass in each of five papers (including at least three from one of the Subject Areas - Architectural Technology; History, Theory & Criticism; Practice & Management; or Drawing, Computing and Communication - below) and a related Major Project which shall count as two papers; or
   (ii) pass in each of three papers (including at least two from one of the Subject Areas - Architectural Technology; History, Theory & Criticism; Practice & Management; or Drawing, Computing and Communication - below) and a related Thesis which shall count as four papers; or
   (iii) pass in one paper from the Subject Areas Architectural Technology; History, Theory & Criticism; Practice & Management; or Drawing, Computing and Communication below, and a Major Project which shall count as two papers, and a related Thesis which shall count as four papers.
Papers

3. The following conditions shall apply to the choice of papers:
   (a) Every candidate shall choose papers in consultation with the Head of Department from those listed in clause (b) of this Regulation: provided that no paper that has been credited to another degree shall be taken for this Degree
   (b) The papers for this Degree are such of the following as are from time to time offered:
   (i) Design Subject Area
      115.500 Project
      115.501 Major Project (value 2 papers)
   Architectural Technology Subject Area
      115.510 Construction
      115.511 Structure
      115.512 Acoustics
      115.513 Noise Control
      *115.514 Lighting
      115.515 Energy Efficient Design
      115.516 Building Services
      115.517 Environmental Aerodynamics
      115.518 Computer Applications (a)
      115.520 Elective
      115.521 Elective
   History, Theory & Criticism Subject Area
      115.530 Building Conservation
      115.531 NZ Architecture
      115.532 Community Architecture
      115.533 Architectural Criticism
      115.534 Urban Design
      115.535 Oceanic Architecture
      115.536 Contemporary Architectural Theory
      115.537 Design & Building Evaluation
      115.540 Elective
      115.541 Elective
   Practice & Management Subject Area
      115.560 Documentation
      115.561 Building Economics
      115.562 Project Management
      115.563 Practice Management
      115.564 Construction Management
      115.565 Marketing Architectural Services
      115.566 Quality Control
      115.567 Computer Applications (b)
      115.570 Elective
      115.571 Elective
   Drawing, Computing and Communication Subject Area
      115.580 Architectural Drawing
      115.581 Computer Graphics
      115.582 Communication
      115.590 Elective
      115.591 Elective
   Note: Not all of the above papers will be available in a given year.

and one or two from:
   (ii) Those papers offered at Fourth or Fifth Architecture Examination level for the BArch degree, provided that any paper of less than 5 credits shall be supplemented by a 3-credit Elective Study in a topic relevant to the paper, to a total of not less than 5 credits; and
   (iii) Those offered in any other Department at the final-year undergraduate level or the Master’s level provided:
      (a) that prerequisites and timetabling requirements can be met, and
      (b) that the syllabus is not the same as or substantially overlapping with any paper prescribed for this Degree, and
      (c) that the paper has a weight not less than that of an Architecture Master’s paper.

Thesis

4. The following conditions apply to the thesis (115.601):
   (a) The thesis shall be of the value of four papers, and shall embody the results obtained by the candidate in an investigation in a subject approved by the Head of Department.
   (b) A candidate shall present the thesis in the year in which the last papers are taken, or in a subsequent year within three years of the year in which the candidate was first enrolled; but this period may in exceptional circumstances be extended by the Senate.
   (c) The candidate shall deliver the thesis to the Registrar by 1 November of the year in which it is presented or at a later date with the permission of the Head of Department.

Note: An abstract is to be submitted with each copy of the thesis, see Examination Regulation 16.

Classes of Pass

5. The Degree of Master of Architecture may, on the recommendation of the Senate, be awarded with Distinction.

Transitional

6. (a) Candidates enrolled in or before 1990 under the MArch Regulations in the 1989 Calendar may in 1993 complete under those Regulations, or may transfer to these Regulations with such credits as the Senate may determine.
(b) Candidates enrolled in 1991 or 1992 under the MArch Regulations in the 1991 Calendar shall transfer to these Regulations with such credits as the Senate may determine.

7. These Regulations shall come into force on 1 January 1991.

THE DEGREE OF MASTER OF BUILDING SCIENCE MBldgSc

The personal course of study of every candidate must be approved by the Senate: Approval will normally be granted for courses which are in accordance with the following regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Prescriptions
1. (a) Subject to the Admission Regulations, a candidate for the Degree of Master of Building Science shall before enrolment for this Degree have been admitted or qualified for admission to the Degree of Bachelor of Architecture or the Degree of Bachelor of Engineering.

(b) A candidate who has passed some of the requirements of or qualified for the award of the Diploma in Building Science but has not been awarded the Diploma may transfer to this Degree with appropriate credits.

2. Every candidate for this Degree shall:
(a) follow a course of study of not less than one year, and
(b) (i) pass in each of five papers (including at least three from the Services Subject Area below) and a related Major Project 115.559 which shall count as two papers; or
(ii) pass in each of three papers (including at least two from the Services Subject Area below) and a related Thesis 115.611 which shall count as four papers; or
(iii) pass in one paper from the Services Subject Area below and a Major Project 115.559 which shall count as two papers, and a related Thesis 115.611 which shall count as four papers.

Papers
3. The following conditions shall apply to the choice of papers:
(a) Every candidate shall choose papers in consultation with the Head of Department from those listed in clause (b) of this Regulation: provided that no paper that has been credited to another degree shall be taken for this Degree.

(b) The papers for this Degree are such of the following as are from time to time offered:

A. Architectural Technology Subject Area
115.510 Construction
115.511 Structure
115.512 Acoustics
115.513 Noise Control
*115.514 Lighting
115.515 Energy Efficient Design
115.516 Building Services
115.517 Environmental Aerodynamics
115.518 Computer Applications (a)
115.520 Elective
115.521 Elective

B. Practice & Management Subject Area
115.560 Documentation
115.561 Building Economics
115.562 Project Management
115.563 Practice Management
115.564 Construction Management
115.565 Marketing Architectural Services
115.566 Quality Control
115.567 Computer Applications (b)
115.570 Elective
115.571 Elective

C. Services Subject Area
115.550 Fire Protection and Security Services
115.551 Selection and Maintenance of Building Services
115.552 Health Aspects of Building Services
115.553 Co-ordination of Building Services
115.554 Inventories of Building Services

(c) Consideration shall also be given to the selection of appropriate Masters level papers offered by the Department of Mechanical Engineering in consultation with the Head of that Department.

Note: Not all of the above papers will be available in a given year.

Major Project
4. A candidate must submit the project report not later than twelve months after enrolment for this project provided that the Senate may, in exceptional circumstances, extend this period.

Thesis
5. The following conditions apply to the thesis (115.611):
(a) The thesis shall be of the value of four papers, and shall embody the results obtained by the candidate in an investigation in a subject approved by the Head of Department.
(b) A candidate shall present the thesis in the year in which the last papers are taken, or in a subsequent year within three years of the year in which the candidate was first enrolled; but this period may in exceptional circumstances be extended by the Senate.
(c) The candidate shall deliver the thesis to the Registrar by 1 November of the year in which it is presented or at a later date with the permission of the Head of Department.

Note: An abstract is to be submitted with each copy of the thesis, see Examination Regulation 16.
Classes of Pass
6. The Degree of Master of Building Science may, on the recommendation of the Senate, be awarded with Distinction.

Commencement
7. These Regulations shall come into force on 1 January 1993.

JOINT NZIA/AERB SPECIAL EXAMINATION

Note: These regulations are made by the Council of the New Zealand Institute of Architects (NZIA) and the Architects Education and Registration Board (AERB) for the purpose of prescribing the form and conduct of the Joint NZIA/AERB Special Examination which is administered by a Special Examination Committee representing both the NZIA and the AERB. The completion of the requirements of the Joint Special Examination is recognised by the AERB as a qualification for registration (see The Architects Act, Section 16). Persons who have completed the Joint Special Examination and who wish to become registered under the Architects Act 1963 are required to make separate application for registration to the AERB and are required to attend the Board’s professional interview.

The completion of the requirements of the Joint Special Examination is recognised by the NZIA for corporate unclassified Membership. Registration is a prerequisite for corporate membership as an Associate of the NZIA.

1. Persons who fulfil the conditions set out in Clause 2 or Clause 3 below may apply to the Joint Special Examination Committee for admission to this Examination. Applications must be made on the official application form.

2. The Committee will consider applications from persons who:

   (a) hold an overseas qualification acceptable in the country in which it was obtained as being of professional standard in architecture and in the opinion of the Committee of comparable standard to a recognised certificate granted in New Zealand (Architects Act 1963 Sec 16(1)(c)(i));
   (b) provide documentary evidence of the qualification obtained, including where possible details of the course prescriptions and grades obtained;
   (c) are New Zealand citizens or hold valid residence or work visas and provide substantiating documentary evidence thereof;
   (d) provide details of their experience and examples of their work, together with suitable corroborative evidence. The extent of the applicant’s personal involvement in the preparation of the examples provided shall be certified by statutory declaration;
   (e) provide a recently written article, thesis or review in English, the sole work of the applicant, on an architectural or related topic, as an indication of the candidate’s ability to study or analyse a topic and write clearly upon it;
   (f) provide any further information that may be requested by the Committee.

3. The Committee will consider applications from candidates who:

   (a) by their work have demonstrated a level of achievement worthy of an architect;
   (b) are not less than 35 years of age and have not less than 10 years’ suitable architectural experience in New Zealand;
   (c) provide details of their experience and examples of their work, together with suitable corroborative evidence. The extent of the applicant’s personal involvement in the preparation of the examples provided shall be certified by statutory declaration;
   (d) provide a written article, thesis or review, the sole work of the applicant, on an architectural or related topic, as an indication of the candidate’s ability to study or analyse a topic and write clearly upon it;
   (e) provide evidence of age;
   (f) provide current statements from at least three registered architects attesting to the applicant’s experience, achievements and suitability for the profession;
   (g) provide any further information that may be requested by the Committee.

4. A fee shall be paid by the applicant to the NZIA upon making formal application to the Examination, as follows:

   (a) for candidates under Clause 2, $100.00 + $12.50 GST = $112.50;
   (b) for candidates under Clause 3, $300.00 + $37.50 GST = $337.50.

   This fee is not refundable.

5. Each applicant shall be interviewed by the Committee or by a sub-committee comprising at least two members thereof.

6. Following the interview, the Committee shall, at its discretion, admit applicants to the Examination or refuse admission.

7. On admitting a candidate to the Examination, the Committee:

   (i) shall require the candidate to pass a written examination in professional practice as set out in Clause 8, provided that where the Committee is satisfied that the candidate has passed an acceptable written examination in professional practice the candidate may be exempted from this requirement; and
   (ii) may at its discretion require the candidate to pass any other subject or subjects prescribed for a recognised qualification in architecture in New Zealand; and
   (iii) shall require of the candidate such period of approved practical experience (up to 140 weeks from the date of application) as it sees fit.

8. The following examinations are recognised by the Committee for the purpose of Clause 7(i):

   (i) 111.460 Practice and Law, as conducted for the BArch degree of the University of Auckland (may be taken extramurally by candidates outside Auckland); or
   (ii) ARCH 204 Communication and Management and ARCH 361 Professional Practice, as conducted for the BArch degree of the Victoria University of Wellington.

9. On passing the required subjects and satisfying the Committee that any period of required practical experience has been satisfactorily completed, the candidate shall be entitled to a Certificate stating that he/she has completed the requirements of the Joint Special Examination.

10. On refusing an applicant admission to the Examination, the Committee shall provide reasons for its decision in writing. The Committee will consider a further application after not less than three years from the date of the previous application.

11. Application forms for admission to the Examination may be obtained from the Secretary, Joint NZIA/AERB Special Examination Committee, School of Architecture Property and Planning, University of Auckland, Private Bag, Auckland, to whom all applications shall be sent; or from the Executive Director NZIA, P O Box 438, Wellington.

12. These regulations shall apply to all applicants who apply for admission after 30 June 1990.
DEGREE COURSE PRESCRIPTIONS

BArch
The prescriptions for the subjects named in the preceding Regulations for BArch are listed below.

Design Subject Area

111.100 Design 100
Introductory exercises exploring the abstract nature of design; aesthetics and composition; design expression through drawing and model-making; architecture as the design of form.

111.101 Design 101
Introductory exercises exploring contextual considerations in design; the physical, social and cultural environment of design; considerations of "place" and "occasion"; architecture as the design of settings for human activities.

111.200 Design 2A to
111.503 Design 5D
Introductory and advanced study and practice in architectural design in the studies and laboratories, with related lectures and seminars. The scope includes the development of architectural skill and understanding and the co-ordination of the subject matter of papers in the other four subject areas. Alternative programmes will be offered in each paper in each year. Each student will take at least one programme to develop design stage at Design 3 level.

111.509 Thesis

Architectural Technology Subject Area

111.110 Principles of Architectural Technology
Introduction to materials science; principles of structural action; principles of construction; the manufacture and application of architectural materials; elementary geology; site surveying; laboratory-based studies.

111.111 Principles of Architectural Science
Introduction to architectural physics (heat, light and sound); the physiology and psychology of vision, hearing and thermal sensation; psychophysics and quantification in environmental design; an introduction to anthropometrics and ergonomics; scientific method and experimental techniques for simple laboratory-based studies.

111.210 Construction & Structure 1
A study of the principles and applications of building construction, materials study and structure in the New Zealand industry involved in small-scale buildings.

111.211 Environment & Services

111.310 Construction & Structure 2
A development of the study of the principles and applications of building construction, materials study and structure to a full range of building types.

111.311 Sound
A consolidation of the material previewed in Environment & Services concerning acoustics and noise control. The origins, behaviour, description and measurement of sound, and the elements of noise control, room acoustics and the hearing process, together with an introduction to the design of music rooms.

111.312 Lighting
A detailed study of light, light sources and luminaries; and of the interaction of people with light. Topics include both natural light and artificial light, their characteristics and their distribution within buildings; the perception of light and colour and people's responses to them; the quantitative description of light and lighting, ergonomics, photometrics and codes of practice.

111.313 Thermal Environment
A study of the thermal response of the building fabric in steady-state and fluctuating conditions as applied to both residential and commercial-type buildings. Assessment techniques for the design of high-comfort environments.

111.314 Services
The principles and design considerations for environmental and utility services for commercial and industrial buildings. Integration of services into building fabric. Energy considerations.

111.315 Ergonomics
The limitations and capacities of people as affecting the design of buildings, equipment and the environment. The influence of Anatomy, Physiology, and Psychology as it affects design, in order to make the best possible use of human resources.

111.316 Workshop Project
A workshop-based project intended to introduce students to woodwork and/or metalwork skills through the production of a small piece of furniture or joinery or such other project as may be approved by staff.

111.410 Advanced Structure

111.411 Multi-storey Construction
A detailed study of multi-storey construction techniques and constraints, both on-site and off-site. Legislative impact along with acceptable risk considerations. Quality control and long term maintenance philosophies, all as determinants of architectural form.

111.412 Timber Technology
Rationalisation of timber performance in structure, and discussion of engineering use including historical, current and predicted techniques.

111.413 Alternative Technologies

111.414 Acoustics
Advanced studies in room acoustics and acoustical design of communications spaces. Control of reverberation, electronic assistance of reverberation, psychophysics of audience preference and objective measurements in rooms, acoustical models, mathematical models of rooms.

111.415 Noise Control
Noise control by planning, isolation and enclosure. Assessment of community noise and application of the local noise nuisance standards and legislation. Evaluation of noise by statistical measures and the instrumentation for this. Materials for noise control, their performance specification, and theory of vibrating systems. Noise control in buildings and plant machinery, application of vibration isolation techniques. Recent developments in reactive barriers and active noise control. Design and calculation work by computer will be encouraged.

111.416 Audio Systems Design
Sound reinforcement and P/A system design, covering a design method for mating a sound system with existing architecture. Required site measurements and system evaluation and how to specify the required equipment. Recent trends in direct sound designing and audience coverage.

111.417 Advanced Lighting
An introduction to the history of Western architecture.

History, Theory & Criticism Subject Area

111.130 History of Architecture
An introduction to the history of Western architecture.

111.131 Theories of Architecture
An introduction to the main aspects of the architectural discipline, its derivations, purposes, processes, products and philosophical directions; a prospectus and basis for advancing theory papers.

111.230 Egyptian Architecture
An introduction to Ancient Egyptian Architecture from the Old Kingdom (3200 BC) to the New Kingdom (1085 BC) with selected case studies.

111.231 Byzantine Architecture
An introduction to Byzantine Architecture from 4th - 15th centuries with selected urban case studies including Constantinople.

111.232 Renaissance & Baroque Architecture
An examination of the principal architects, works and theories from the period 1400-1700.

111.233 Modern Italian Architecture
A survey of Italian Architecture from 1900 to the present day.

111.234 Ancient & Medieval Architecture
An examination of Western architecture together with relevant theory and criticism, from the Ancient World to the Renaissance.

111.235 Contemporary Dutch Architecture
A study of focuses on the recent work of a number of key figures in contemporary Dutch architecture, with emphasis on the contributions of Herman Hertzberger and Aldo van Eyck. Aspects of Dutch culture, social life, and architecture in the 20th Century are introduced in support of this focus.

111.236 Vernacular Architecture
A survey of vernacular architecture and its special relationship to time and place, climate and materials, traditions and building processes as well as to other forms of architecture.

111.237 Design Procedures
The idea of "design process" is established and the nature of that process is examined. A variety of procedures which support the decision-making process are reviewed.

111.238 The House
An outline in Western history of the house and its development in plan, form and elements with particular reference to the changing events, lifestyles and ideas in society.

111.239 Composition, Scale & Proportion
Syntactic and semantic relationships found in architectural compositions of plan and elements with reference to their organisation, scale and proportion.

111.240 Architectural Interpretation
Studies and interpretations of selected worldwide examples of architectural and urban form, considering their identity and signification as expressive systems in relation to context, style and epoch as well as contemporary theory and criticism.

111.241 Organic Architecture
An examination of 20th Century architecture to which the term 'organic' has been applied. It examines possible meanings of the term and characteristics of an 'organic architecture'. Selected contemporary examples from Northern European countries are studied.

111.242 Women & Architecture
An introduction to theoretical positions and an examination of selected architectural works relevant to studies of women and architecture.

111.243 Oceanic Architecture
An introduction to the indigenous architecture of the Pacific. A study of the architecture of New Zealand Maori and a selection of Pacific Islands in depth. The particular Pacific Islands selected will vary from year to year.

111.244 Built Form & Culture
This is a study of the relationship between various cultures and their architecture. Specifically it is concerned with settlement patterns, dwellings and other buildings and relates these to various aspects of the cultures.

111.245 New Zealand Architecture
Studies in architecture in New Zealand with reference to historical influences and particular developments.
111.330 Urban Design 1
Concepts of urban design, the history of theory, urban form, elements of urbanism, public space, selected case studies.

*111.331 Architectural Psychology
Physical, social and cultural aspects of people's interaction with the natural and built environment. Environmental perception and cognition, individual and group spatial behavior. Research findings and methods of relevance to architectural theory.

*111.333 Representation in Architecture
An examination of representational modes in architectural discourse and historical works examined in relation to contemporary theories. This course will be largely concerned with the role of metaphors such as those of construction, shelter, body, primal geometry, cosmology, history and identity.

111.334 Introduction to Building Conservation
An introduction to theory, legislation and technology concerning building conservation. Assessment will be based largely on practical conservation planning.

*111.335 Beginnings of Modern Architecture
An examination of selected architectural works, writings and philosophies that contributed to the development of modern architecture.

*111.336 Design & Building Performance
Studies and assessment of the performance of the designed environment, based on its people-environment interactions and seeking to assemble a comprehensive theory of its function. Techniques and applications of performance measurement and appraisal including post-occupancy research and pre-design briefing.

*111.337 Introduction to Community Design
An introduction to the wide diversity of processes and skills which comprise the discipline of community architecture. The origins of the discipline will be outlined, together with its growth and development, including current examples. Communication and group facilitation techniques will be analyzed and tested in the context of a typical community design process.

Studies and 111.344 Special Topics
2-credit papers which may be taught in any year, the content and requirements of each to be determined by the Head of the Department of Architecture.

*111.430 Urban Design 2
Advanced urban studies. Contemporary theory, historical research, development strategies and guidelines.

111.432 Designing for Institutions
The examination of the special nature of design tasks which institutional settings present, reviewing a variety of strategies and procedures for managing the design-decision-making process in these settings. A study of a number of contemporary buildings that represent significant contributions in the field of institutional and public architecture.

111.433 Architectural Semiotics
A review of the evolution of semiotic and related theory, its influence on recent architectural theorists and critics and on contemporary architects and their work.

111.434 Myth & Metaphor
Introduction to the theory of myth criticism in architecture.

111.435 Design for Sustainability
A review of the evolution of environmentally sustainable settlements and buildings. A study of the main determinants and possible architectural design responses.

111.436 - 111.440 Special Topics
2-credit papers which may be taught in any year, the content and requirements of each to be determined by the Head of the Department of Architecture.

111.441 Architectural Theory & Discourse
An examination of architectural writing on criticism relative to contemporary theoretical positions.

111.530 - 111.533 Elective Studies
3-credit studies or projects as extensions of 300-level or 400-level papers in the History, Theory and Criticism Subject Area, or with the approval of Senate based on some other agreed topic in that Subject Area.

111.540 - 111.541 Research Reports
6-credit reports based on research on an approved topic in History, Theory and Criticism.

111.549 Thesis

Practice & Management Subject Area

111.260 New Zealand Building Industry
The architectural profession and the building industry in New Zealand. Historical background and controlling legislation.

111.360 Contract Documentation
Preparation of documentation at all stages of architectural services: briefs, feasibility studies, reports, working drawings, certification; developments in this area. Principles and practice involved in the preparation of specifications, interpretation; performance specifications. Computer assistance in documentation.

111.361 Building Economics

111.362 Town Planning

111.460 Practice & Law

111.461 Commercial Practice and Management
A general appreciation of the principles and practice of accounting and commercial practice relevant to the practice of architecture. Management theory organisation; administration, production, distribution and control aspects; economic, financial and investment theories and techniques.

111.462 Cost Control
Cost planning and control in relation to the design team and design process. Economic feasibility. Cost in use studies. The quantity surveyor. Pricing.

111.463 Construction Management
Introduction to quantitative techniques in management of construction projects.

111.464 Computers in Practice
A study of the utilisation and potential of computers in architectural practice and their support of information systems, and the implications of rapid change for management and planning.

111.465 - 111.470 Special Topics
2-credit papers which may be taught in any year, the content and requirements of each to be determined by the Head of the Department of Architecture.

111.560 - 111.561 Elective Studies
3-credit studies or projects as extensions of 300-level or 400-level papers in the Practice and Management Group, or with the approval of Senate based on some other agreed topic in that Group.

111.570 - 111.571 Research Reports
6-credit reports based on research on an approved topic in Practice and Management.

111.579 Thesis

Drawing and Related Skills Subject Area

111.380 Architectural Drawing 1
Introduction to the practice and analysis of architectural drawing. Freehand and instrumental drawing. Conventional projections and basic descriptive geometry.

111.181 Freehand Drawing 1
Freehand drawing techniques, sketching, basic perspective, the use of various media.

111.182 Architectural Drawing 1a
Introduction to the practice and analysis of architectural drawing. Freehand and instrumental drawing. Conventional projections and basic descriptive geometry.
MArch and MBldgSc

Design Subject Area

115.500 Project
115.501 Major Project (Value two papers)
An advanced project on which the candidate is required to submit a report. The project may be a design study, a technological or historical investigation, an experimental or theoretical research project, the development of a new design procedure, the development of a computer package.

115.559 Major Project (Value two papers)
An advanced project on which the candidate is required to submit a report. The project may be a design study, a technological or historical investigation, an experimental or theoretical project, the development of a new design procedure, the development of a computer package.

Architectural Technology Subject Area

115.510 Construction
Advanced studies in methods of construction, materials used and services included, with reference to issues such as long term maintenance, energy management.

115.511 Structure
Advanced studies in structural design and the behaviour of buildings and building components under stress.

115.512 Acoustics
Advanced studies in selected aspects of room acoustics, including reverberation control, electronic assistance, design principles theory, measurement, physical and mathematical models.

115.513 Noise Control

115.514 Lighting
Selected aspects of natural and artificial lighting of building interiors, artificial lighting of building exteriors, landscapes.

115.515 Energy Efficient Design
Advanced studies in available techniques for the efficient use of passive and active energy in selected building types.

115.516 Building Services
Advanced studies in the provision, installation and control of all forms of building services.

115.517 Environmental Aerodynamics
Aspects of the effects and modification of air movement in and around buildings.

115.518 Computer Applications (a)
Applications of computer technology to problems in building construction and technology.

115.520 Elective
An advanced topic in building construction and technology to be determined each year by the Head of the Department of Architecture.

115.521 Elective
An advanced topic in building construction and technology to be determined each year by the Head of the Department of Architecture.

History, Theory & Criticism Subject Area

115.530 Building Conservation
Advanced studies in the theory, legislation and technology of building conservation.

115.531 NZ Architecture
Selected aspects of the history of architecture in New Zealand with reference to particular developments and influences.

115.532 Community Architecture
Advanced studies in the processes of community architecture, including communication and group facilitation techniques, in the context of specific community design opportunities.

115.533 Architectural Criticism
Advanced studies of architectural writing on criticism relative to contemporary theoretical positions.

115.534 Urban Design
An advanced paper on the history, theory and development guidelines in relation to urbanism and urban forms.

115.535 Oceanic Architecture
Selected aspects of the indigenous architecture of the New Zealand Maori, the Pacific Islands and Asian Pacific Rim countries.

115.536 Contemporary Architectural Theory
Advanced studies in contemporary architectural theory from writings, design, and built work.
115.537 Design and Building Evaluation
Extended studies in observing, measuring and assessing the performance of designed environments. Development of theory and techniques including post-occupancy research and pre-design briefing.

115.540 Elective
An advanced topic in the history or theory of architecture to be determined each year by the Head of the Department of Architecture.

115.541 Elective
An advanced topic in the history or theory of architecture to be determined each year by the Head of the Department of Architecture.

Services Subject Area
115.550 Fire Protection & Security Services
Fire resistance of materials and construction and related regulations and the role of fire engineering in building design. Security services for fire detection and control, access and egress in buildings are discussed in a systems context to explore their interaction and management.

115.551 Selection and Maintenance of Building Services
Criteria for the selection of building services equipment along with techniques for its programmed maintenance and eventual upgrading or replacement.

115.552 Health Aspects of Building Services
The identification of possible sources of bacteria and particles associated with building services equipment proven to be harmful or toxic to humans. Procedures for their detection and control are discussed along with strategies to minimize their presence.

115.553 Co-ordination of Building Services
Techniques for co-ordinating the interdependence and interaction of building services equipment and with the building structure and fabric.

115.554 Inventories of Building Services
Manual and computerised techniques for establishing and maintaining inventories of building services equipment for the purposes of programmed maintenance and reorganisation during partial or major building refurbishment.

115.555 Management Subject Area
115.559 Major project (value two papers)
An advanced project on which the candidate is required to submit a report. The project may be a design study, a technological or historical investigation, an experimental or theoretical project, the development of a new design procedure, the development of a computer program.

115.560 Documentation
Advanced studies in communication and documentation at all stages in architectural practice, from briefing to certification.

115.561 Building Economics
Advanced studies in the application of economics to decisions as to what, whether and how to build. Energy and investment considerations.

115.562 Project Management
Advanced studies in the management of building projects, from economic feasibility through the engagement and briefing of consultants, the design and construction process, letting and leasing.

115.563 Practice Management
Advanced studies in the principles and practice of managing an office engaged in the practice of architecture. Management, accounting, control systems.

115.564 Construction Management
Advanced studies in the management of the construction process. Quantitative and other techniques in management.

115.565 Marketing Architectural Services
Studies in marketing research and marketing strategies in relation to the provision of architectural services.

115.566 Quality Control
The specification and management of quality. Policies, objectives, process control, inspection, costs and economics. Systems and their auditing.

115.567 Computer Applications (b)
Applications of computer technology to problems in architectural practice and management.

115.570 Elective
An advanced paper on a topic in architectural practice, economics, management, to be determined each year by the Head of the Department of Architecture.

115.571 Elective
An advanced paper on a topic in architectural practice, economics, management, to be determined each year by the Head of the Department of Architecture.

Drawing, Computing and Communication Subject Area
115.580 Architectural Drawing
Advanced studies in architectural drawing. Studies of contemporary presentation techniques and historical precedents.

115.581 Computer Graphics
Advanced applications of CAD and computer graphics techniques.

115.582 Communication
Advanced studies in communication: verbal, written, graphic, photographic, cinematography, video, multiple image projection, audio-visual, computer-aided and other media.

115.590 Elective
An advanced paper on a topic in drawing, audio-visual techniques or computer graphics, to be determined each year by the Head of the Department of Architecture.

115.591 Elective
An advanced paper on a topic in drawing, audio-visual techniques or computer graphics, to be determined by the Head of the Department of Architecture.

Note: * Starred papers will not be taught during the current Calendar year unless sufficient staff are available.

† Daggered papers will not be taught during the current Calendar year unless sufficient staff are available.

DIPLOMA COURSE REGULATIONS

POSTGRADUATE DIPLOMA IN BUILDING SCIENCE PGDipBldgSc

The personal course of study of every candidate must be approved by the Senate: Approval will normally be granted for courses which are in accordance with the following regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Postgraduate Diploma in Building Science shall before enrolment for this Degree have been admitted or qualified for admission to the Degree of Bachelor of Architecture or the Degree of Bachelor of Engineering.

2. Every candidate for this Postgraduate Diploma shall:
   (a) follow a course of study of not less than one year, and
   (b) (i) pass in each of four papers (including at least three from the Services Subject Area below); or
   (ii) pass two papers (including at least one from the Services Subject Area below) and a major project 115.559 related to building services to count as two papers.
Papers

3. The following conditions shall apply to the choice of papers:
   (a) Every candidate shall choose papers in consultation with the Head of Department from those listed in clause (b) of this Regulation: provided that no paper that has been credited to another degree shall be taken for this Postgraduate Diploma.
   (b) The papers for this Postgraduate Diploma are such of the following as are from time to time offered:

A. Architectural Technology Subject Area

115.510 Construction
115.511 Structure
115.512 Acoustics
115.513 Noise Control
*115.514 Lighting
115.515 Energy Efficient Design
115.516 Building services
115.517 Environmental Aerodynamics
115.518 Computer Applications (a)
115.520 Elective
115.521 Elective

B. Practice & Management Subject Area

115.560 Documentation
115.561 Building Economics
115.562 Project Management
115.563 Practice Management
115.564 Construction Management
115.565 Marketing Architectural Services
115.566 Quality Control
115.567 Computer Applications (b)
115.570 Elective
115.571 Elective

C. Services Subject Area

115.550 Fire Protection and Security Services
115.551 Selection and Maintenance of Building Services
115.552 Health Aspects of Building Services
115.553 Co-ordination of Building Services
115.554 Inventories of Building Services

(c) Consideration shall also be given to the selection of appropriate Masters level papers offered by the Department of Mechanical Engineering in consultation with the Head of that Department.

Note: Not all of the above papers will be available in a given year.

Major Project

4. A candidate must submit the project report not later than twelve months after enrolment for this project provided that the Senate may, in exceptional circumstances, extend this period.

Commencement

5. These Regulations shall come into force on 1 January 1993.
The First Property Examination
3. The First Property Examination shall comprise:

Part A: Context Papers (14 Credits)

110.100 Information, Communication and Presentation 5
110.101 Law, Government & Politics 5
110.102 Economics & Society 4

Part B: Core Papers (16 Credits)

112.100 Valuation 1 4
112.101 Property Processes & Skills 4
112.105 Finance 1 2
112.106 Business Accounting 1 2
112.115 Construction 1 2
112.118 Land Use Planning 1 2

Part C: Applied Papers (6 Credits)

112.130 Applied Valuation 1 2 112.100
112.131 Applied Investment 1 2 112.105
112.135 Applied Construction 1 2 112.115

Second Property Examination

4. The Second Property Examination shall comprise:

Part A: Core Papers

Valuation: (4 Credits)
112.200 Valuation 2 4

Investment: (4 Credits)
112.205 Finance 2 2
112.206 Business Accounting 2 2

Management: (6 Credits)
112.210 Principles of Property Management 4
112.211 Law 2 2

Development: (8 Credits)
112.215 Construction 2 2
112.216 Property Economics 2
112.217 Principles of Development 2
112.218 Land Use Planning 2

Marketing: (2 Credits)
112.220 Principles of Marketing 2

Part B: Applied Papers: (8 Credits)

Four papers from the following schedule:

112.230 Applied Valuation 2 2 112.200
112.231 Applied Investment 2 2 112.205
112.232 Applied Management 2 112.210
112.233 Applied Development 2 112.217
112.234 Applied Marketing 2 112.220

Part C: Elective Paper (4 credits)

Any paper offered in the Faculties of Arts, Commerce or Science, or any paper or papers in the Departments of Architecture or Planning, to a total of at least 4 credits.

Third Property Examination
5. The Third Property Examination shall comprise:

Part A: Core Papers

Valuation: (4 Credits)
112.300 Valuation 3 4

Investment: (4 Credits)
112.305 Finance 3 2
112.306 Investment Markets & Strategies 2

Management: (6 Credits)
112.310 Advanced Property Management 4
112.311 Law 3 2

Development: (6 Credits)
112.315 Construction 3 2
112.316 Urban Land Economics 2

SCHEDULE

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<thead>
<tr>
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<td>112.316</td>
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Revocation & Transitional Arrangements

9. (a) The course of each candidate shall be governed by these Regulations and the Regulations governing the Bachelor of Science, or the Degree of Bachelor of Law, or the Degree of Bachelor of Planning, or the Bachelor of Architecture, or the Degree of Bachelor of Arts, or the Degree of Bachelor of Commerce, as permitted by the University of Auckland Calendar for 1992.

(b) Any candidate who has failed to complete a paper or papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits, (c) A candidate who was enrolled in but failed to complete at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may take a paper or papers prescribed for a Bachelor of Science subject to the later provisions of this Regulation.

(d) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may transfer to the Bachelor of Property Degree subject to the later provisions of this Regulation.

(e) A candidate who was enrolled in but failed to complete at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(f) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(g) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(h) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(i) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(j) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(k) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(l) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(m) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(n) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(o) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(p) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(q) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(r) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(s) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(t) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(u) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(v) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(w) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(x) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(y) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.

(z) A candidate who has completed at least six papers of the Intermediate Examination under Regulation 3 of the 1992 Degree Regulations may complete the Second Property Examination by substituting as necessary for those papers shown in the column headed "Corresponding Papers" together with additional papers approved by the Head of Department to provide the equivalent credits.
1992 Degree Regulations

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<th>Intermediate Year</th>
<th>Credits</th>
<th>Corresponding Papers</th>
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<tr>
<td>37.100 Introduction to Property</td>
<td>5</td>
<td>112.101 Property Processes &amp; Skills</td>
<td>4</td>
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<tr>
<td>13.100 Microeconomics</td>
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<td>110.102 Economics and Society</td>
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<td>13.101 Macroeconomics</td>
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First Professional Year

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<td>37.202 Property Law 1</td>
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<td>37.204 Financial Appraisal</td>
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<td>37.205 Land Use Planning</td>
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<td>37.206 Building Technology</td>
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<td>37.210 Principles of Land Admin</td>
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Second Professional Year

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<td>37.325 Property Finance</td>
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</table>

Commencement

10. These Regulations shall come into force on 1 January 1993.

THE DEGREE OF MASTER OF PROPERTY MProp

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. (1) Subject to the Admission Regulations, a candidate for the Degree of Master of Property shall before enrolment for this Degree:
   (a) have been admitted or qualified for admission to the Degree of Bachelor of Property and have:
      (i) attained an average grade of C+ or higher in the course of study of that Degree; or
      (ii) had at least two years' relevant postgraduate experience in the field of study for this Degree; or
      (iii) otherwise shown to the satisfaction of the Head of Department capacity to undertake advanced study and research in
           the subjects proposed to be taken for this Degree; or
   (2) Where the Head of Department so recommends, the Senate may approve the enrolment for this Degree of a candidate who has
        completed either:
        (a) (i) the Diploma in Urban Valuation, or
        (ii) the Diploma in Valuation, or
        (iii) the Degree of Bachelor of Property Administration; and who has:
        (b) through other university study, through relevant practical experience, or otherwise, shown capacity to undertake advanced
            study and research in the subjects proposed to be taken for this Degree.

Course Content

2. Every candidate for this Degree shall
   (a) in the first year take the examinations in three of the papers prescribed in Regulation 3 of these Regulations, except that a
       candidate who provides evidence of being engaged in full-time employment may be permitted by the Head of Department to
       present one or two papers in the first year and the remainder in the second year; and
   (b) in the second year or, in the case of a student engaged in full-time employment in the third year, present a thesis (112.600) under
       the conditions prescribed in Regulation 4.

Papers

3. The papers for this Degree are such of the following as are from time to time offered:
   112.400 Property Valuation
   112.401 Property Investment
   112.402 Property Management
   112.403 Property Marketing
   112.404 Property Development
   112.405 Special Topic
   112.406 Special Topic
   112.407 Special Topic
   112.408 Special Topic
   112.409 Special Topic

   and not more than one of any other 400 level or higher paper from any department approved by the Head of the Department.

Thesis

4. (a) The thesis shall be of the value of four papers, and shall embody the results obtained by the candidate in an investigation relating
    to some aspect of Property.
   (b) A candidate shall present the thesis in the year following that in which the last papers are taken, or in a subsequent year within
       three years of the year in which the candidate was first enrolled; but this period may in exceptional circumstances be extended
       by the Senate.
(c) The candidate shall deliver the thesis to the Registrar by 1 November of the year in which it is presented or at a later date with the permission of the Head of Department.

Honours
5. (a) There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions, First Division and Second Division.
(b) Where
(i) on first examination, a candidate fails a paper; or
(ii) on first submission, a candidate’s thesis is of inadequate standard, Honours shall not be awarded, but a candidate whose performance at a written examination has been seriously impaired by illness or injury or exceptional circumstances (certified as such under the aegrotat or compassionate pass provisions of the Examination Regulations) may elect, instead of applying for an aegrotat or compassionate pass, to take a subsequent written examination so as to be still eligible for the award of Honours subject to the provisions of paragraph (c) of this Regulation.
(c) A candidate shall be eligible for the award of Honours only if the requirements for Honours are completed within three years of the candidate’s first enrolment for this Degree, but this period may in exceptional circumstances be extended by the Senate.

Revocation & Transitional Arrangements
6. (a) The course of each candidate shall be governed by these Regulations and the Regulations governing the Master of Property Administration published in the University of Auckland Calendar for 1992 (“The 1992 Degree Regulations”) are revoked subject to the later provisions of this Regulation.
(b) A candidate who in or before 1992 was enrolled for MPA under the 1992 Degree Regulations, but has not completed that Degree, may elect
(i) to complete MPA under those Regulations, provided the degree is completed by the end of the 1994 calendar year; or
(ii) to complete MProp under these Regulations, in which case a candidate who has completed any paper prescribed in Regulation 3 of the 1992 Degree Regulations shown in the column headed “1992 Degree Regulations” shall be deemed to have completed the corresponding paper shown in the column headed “Corresponding Papers”.

Commencement
7. These Regulations shall come into force on 1 January 1993.

DEGREE COURSE PRESCRIPTIONS

BProp
Prescriptions for the subjects named in the preceding regulations for BProp are given below.

110.100 Information, Communication & Presentation
Data collection and analysis: written and graphic communication. Keyboarding, document design and editing; numerical and verbal skills, the media.

110.101 Law Government & Politics
Political theory; societies and the nature of development; the idea of law, legal institutions and reasoning; property rights and government regulation; taxation and redistribution; the Treaty of Waitangi.

110.102 Economics & Society

110.100 Valuation 1
The principles of property valuation. The residential property market and the techniques used in the valuation of single and multi-unit residential land and improvements.

112.101 Property Processes and Skills
An introduction to quantitative techniques required to develop an understanding of the economics of property.

112.105 Finance 1
Introductory concepts in finance. The time value of money and the use of discounted cash flow in appraisal under conditions of certainty.

112.115 Construction 1
Historical and contemporary trends in house design. The principles of residential construction, services, maintenance, defects and repair.

112.118 Land Use Planning 1
Planning history, law and practice. The statutory processes at regional, district and maritime scheme levels. The Resource Management Act including planning application procedures.

112.106 Business Accounting 1
The nature and scope of accounting. Accounting records and journals. Income statements and balance sheets.

112.130 Applied Valuation 1
Applied studies in residential valuation.

112.131 Applied Investment 1
Applied studies in finance and investment.

112.135 Applied Construction 1
Applied studies in residential construction.

112.200 Valuation 2

112.205 Finance 2
Techniques of financial appraisal. Risk and uncertainty and an introduction to portfolio theory. Discounted cash flow approaches to the analysis of development and investment projects.

112.206 Business Accounting 2

112.210 Principles of Property Management
Principles of management. Fundamentals of property
management. Management methodologies and reporting procedures. Residential, industrial and commercial property management.

112.211 Law 2
Contract Law and legal personality.

112.215 Construction 2
The principles of design, construction and servicing of low-rise commercial and industrial buildings.

112.216 Property Economics
A study of: building as an economic process, buildings as investments, building form and cost, obsolescence and depreciation, housing demand and supply and the construction industry.

112.217 Principles of Development

112.218 Land Use Planning 2

112.220 Principles of Marketing
The marketing plan, market research, buyer behaviour, market segmentation and targeting. Promotion, the listing process and selling techniques.

112.230 Applied Valuation 2
Applied studies in commercial, industrial, or going-concern valuations.

112.231 Applied Investment 2
Applied studies in Finance and Investment.

112.232 Applied Management
Applied studies in Management.

112.233 Applied Development
Applied studies in Development.

112.234 Applied Marketing
Applied studies in Marketing.

112.235 Construction 3
The principles of construction of multi-storey commercial buildings. Human comfort, environmental control and building services.

112.236 Urban Land Economics
A study of: land use and land values, patterns of urban land use, economics of planning controls, urban issues and problems and land policies.

112.317 Advanced Development

112.320 Advanced Marketing
The Sale and Purchase Agreement. Legislation affecting real estate agency. Negotiation skills, services marketing and international marketing.

112.323 Applied Investment 3
Applied studies in finance and investment.

112.324 Applied Advanced Management
Applied studies in advanced management.

112.325 Advanced Development
Applied studies in advanced development.

112.326 Advanced Marketing
Applied studies in advanced marketing.

112.327 Applied Special Topic
Applied studies in a special topic.

MProp
The prescriptions for the subjects named in the preceding Regulations for MProp are listed as follows:

112.400 Property Valuation
Advanced studies in valuation theory, methodologies and issues including the development of computerised valuation models.

112.401 Property Investment
The study of advanced investment appraisal techniques applied to property.

112.402 Property Management
Advanced studies in property management, including the management of specialised property and property portfolios.

112.403 Property Marketing
The study of advanced Property marketing techniques.

112.404 Property Development
Advanced studies in property development and development management.

112.405 to 112.409 Special Topics
Directed study in property topics as approved by the Head of Department of Property.

DEGREE COURSE REGULATIONS

DEPARTMENT OF PLANNING

THE DEGREE OF BACHELOR OF PLANNING BPlan

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. (a) Subject to the Admission Regulations and except as otherwise provided in these Regulations, candidates for the Degree of Bachelor of Planning shall:
   (i) follow a course of study for a period of not less than four years;
   (ii) complete a course of study gaining at least 144 credits from four Planning Examinations comprising 36 credits each in the subjects set out in these Regulations;
(b) Except with the permission of the Senate no candidate for this Degree shall enrol for more than 42 credits in any one year.

Concessions
2. Candidates who have been awarded or qualified for admission to a degree of this University or have completed a recognised degree from another tertiary institution may be granted admission with such credits as approved by the Senate and be required to:
   (a) pursue a course of study for a period of not less than two years comprising a Graduate Planning Examination each year of 42 credits; and
   (b) take the non-elective papers of the Fourth Planning Examination but not in the first year and to take such other papers as prescribed by the Senate.

3. A candidate who has completed with outstanding merit a relevant recognised tertiary qualification may be granted admission with such credits as approved by the Senate.

Concessions
2. Candidates who have been awarded or qualified for admission to a degree of this University or have completed a recognised degree from another tertiary institution may be granted admission with such credits as approved by the Senate and be required to:
   (a) pursue a course of study for a period of not less than two years comprising a Graduate Planning Examination each year of 42 credits; and
   (b) take the non-elective papers of the Fourth Planning Examination but not in the first year and to take such other papers as prescribed by the Senate.

Examinations
4. (a) Candidates shall be required to pass as a whole each Planning Examination so that their performance in all papers of the Examination shall be considered; but
   (i) where a candidate fails to pass a Planning Examination as a whole the candidate may at the discretion of the Senate be credited with a paper or papers of that Examination, and be permitted in a subsequent year to present the paper or papers not so credited, together with a paper or papers of the next succeeding Planning Examination;
   (ii) a candidate who has not passed the whole of a Planning Examination but has passed 30 credits of that Examination (including all of the papers prescribed in Part A of that Examination) may enrol for a paper or papers of the subsequent Planning Examination as well as the remaining credits of the Planning Examination not completed;
   (iii) a candidate who has passed less than 30 credits of a Planning Examination, whether or not these include the papers prescribed for Part A of that Examination, may not proceed in core papers higher in the degree but must enrol in the Planning Examination papers not passed and may enrol concurrently in non-core papers from the subsequent Planning Examination.

(b) Candidates whose course in any year consists of more or fewer papers than a full Examination or whose course is taken from more than one Examination shall have their performance in all papers taken in that year considered as a whole.

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Credits</th>
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<tr>
<td>First Planning Examination</td>
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<td>Part A: Core Papers</td>
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<td>113.100</td>
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<td>113.101</td>
<td>Studio 1B</td>
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<td>113.102</td>
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<td>Planning Concepts</td>
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<td>Planning and Community</td>
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<td>Technical Skills</td>
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<td>110.100</td>
<td>Information, Communication and Presentation</td>
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<td>Part B: Context Papers</td>
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<td>Law Government and Politics</td>
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<td>Environment and Society</td>
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<td>Economics and Community (Restriction 110.102)</td>
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<td>Settlement Planning</td>
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<td>113.230</td>
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<td>113.274</td>
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</table>

Up to 5 credits from any other papers prescribed for any other degree or diploma in the University subject to the approval of the Head of the Department.

**Third Planning Examination**

7. The Third Planning Examination shall consist of:

**Part A: Core Papers**

**Planning Studios**

<table>
<thead>
<tr>
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<th>Title of Paper</th>
<th>Availability</th>
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<td>113.300</td>
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<td>113.301</td>
<td>Studio 3B</td>
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<td>113.302</td>
<td>Studio 3C</td>
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**Planning Concepts**

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<tr>
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<tr>
<td>113.310</td>
<td>Theories of Planning</td>
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<td>113.311</td>
<td>Planning and Design</td>
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<td>113.312</td>
<td>Economic Development and Planning</td>
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<td>113.313</td>
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**Technical Skills**

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<tr>
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**Planning Practice and Management**

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<td>113.330</td>
<td>Resource Management: Regulation and Control</td>
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<td>113.331</td>
<td>Resource Management Case Studies</td>
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**Context**

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<tr>
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<tr>
<td>113.340</td>
<td>Infrastructure Planning</td>
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**Part B: Elective Papers**

Not less than 5 credits from either Part B of the Second Planning Examination not taken in that Examination or the following:

<table>
<thead>
<tr>
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<th>Title of Paper</th>
<th>Availability</th>
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</tr>
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<tbody>
<tr>
<td>113.350</td>
<td>Pacific Development Issues</td>
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<tr>
<td>113.351</td>
<td>Cultural Planning</td>
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<tr>
<td>113.352</td>
<td>Economics for Resource Management</td>
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<tr>
<td>113.353</td>
<td>Tourism Planning</td>
<td></td>
<td>2</td>
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<tr>
<td>113.354</td>
<td>Recreation and Reserves Planning</td>
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<td>113.360</td>
<td>Special Topics in Planning Concepts</td>
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<tr>
<td>113.364</td>
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<td>113.365</td>
<td>Special Topics in Technical Skills</td>
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<td>113.369</td>
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</table>

Up to 5 credits from any other papers prescribed for any other degree or diploma in the University subject to the approval of the Head of the Department.

**Fourth Planning Examination**

8. The Fourth Planning Examination shall consist of:

**Part A: Core Papers**

**Planning Studio**

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Credits</th>
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<tr>
<td>113.400</td>
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<tr>
<td>113.401</td>
<td>Studio 4B</td>
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<tr>
<td>113.402</td>
<td>Studio 4C</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Planning Concepts**

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>113.410</td>
<td>Sustainable Futures</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>113.411</td>
<td>Gender and Planning</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>113.412</td>
<td>Maori Planning Issues</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>113.413</td>
<td>Settlement Design</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

**Technical Skills**

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>113.420</td>
<td>Research Study</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

**Planning Practice and Management**

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>113.430</td>
<td>Professional Practice</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

**Part B: Elective Papers**

Not less than 12 credits from Part B of the Third Planning Examination not taken in that Examination, including up to a further 5 credits from any other papers prescribed for any other degree or diploma in the University subject to the approval of the Head of the Department.

**Note:**
* Starred papers will not be taught during the current Calendar year
† Daggered papers will not be taught during the current Calendar year unless sufficient staff are available
Credit for papers in other Faculties

9. (a) A candidate subject to the approval of the Head of the Department of Planning, may take a paper or papers prescribed for a Degree or Diploma in any Faculty of this University up to an equivalent of 15 credits for this degree.

(b) A candidate enrolled in a paper from another Degree shall comply with the requirements for that paper including those relating to pre-enrolment, corequisites, prerequisites, restrictions, combinations of subjects and practical work unless any of those requirements are waived by the Department from which the paper is taken.

(c) The credits allowed for the purpose of this regulation shall be:

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Segment of Study</th>
<th>Equivalent credits for this degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts</td>
<td>per paper</td>
<td>5 credits</td>
</tr>
<tr>
<td>Commerce</td>
<td>per paper</td>
<td>5 credits</td>
</tr>
<tr>
<td>Engineering</td>
<td>Paper 50.002 per half-year paper</td>
<td>4 credits</td>
</tr>
<tr>
<td></td>
<td>per full-year paper</td>
<td>6 credits</td>
</tr>
<tr>
<td>Law</td>
<td>per 23 hours of lectures</td>
<td>2 credits</td>
</tr>
<tr>
<td>Science</td>
<td>per credit</td>
<td>1 credit</td>
</tr>
</tbody>
</table>

Credits in any paper prescribed by any other Faculty of Joint Board of Study shall be as determined by the Head of Department.

Substitutions

10. In any case where a candidate enrolled for this Degree has been credited with a paper the content of which is substantially similar to any paper prescribed for this degree the candidate may be required to take in substitution for that paper such paper or papers of equivalent credit value as the Head of the Department determines.

Honours

11. The Degree of Bachelor of Planning may be awarded with or without Honours according to the standard of the candidate's work in the best 36 credits in papers at the 300 level or higher, including 12 credits drawn from Fourth Planning Examination Part A. There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded in either First Division or Second Division.

Exceptions

12. (a) The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations;

(b) Every application for approval under this Regulation shall be submitted by the candidate in writing to the Registrar.

Transitional

13. (a) Except as otherwise provided in this Regulation, the course of study of every candidate shall be governed by these Regulations.

(b) A candidate who gained credits in any subject or paper under any former Regulation for this degree shall:

(i) in the case of a student who has passed either the Graduate Professional Examination or the Second Professional Examination of the 1992 Regulations, complete the Third Professional Examination Prescribed in those Regulations;

(ii) in the case of a student who has passed the First Professional Examination of the 1992 Regulations, complete an examination comprising 113.220, 113.221, 113.230, the whole of Part A of the Third Planning Examination of these Regulations, except for 113.313, 113.320 and 113.331; and, in the following year the whole of the Fourth Planning Examination in which 113.313 may be included as an elective;

(iii) in the case of a student who has passed the Planning Intermediate Examination of the 1992 Regulations, shall complete an examination comprising 113.110 and the whole of Part A of the Second Planning Examination of these Regulations.

Commencement

14. These regulations shall come into force on 1 January 1993.

THE DEGREE OF MASTER OF PLANNING MPlan

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations, a candidate for the Degree of Master of Planning shall, before enrolment:

(a) have been admitted or qualified for admission to the Degree of Bachelor of Planning; or

(b) shall have attained any other qualification approved by the Senate as equivalent to a qualifying degree; AND

(c) have attained an average of C+ or higher in the course of study for the qualifying degree;

2. Every candidate for this Degree shall follow a course of study of not less than one year, and pass in each of:

(a) one paper from the Planning Papers (below) and a Research Project 113.600 which shall count as two papers, and a thesis 113.601 which shall count as four papers; or

(b) three papers from the papers listed in Regulation 4 below, of which at least two shall be from the Planning Papers, and a Thesis 113.601 which shall count as four papers; or

(c) five papers from the papers listed in Regulation 4 below, of which at least three shall be from the Planning Papers, and a Research Project 113.600 which shall count as two papers.

3. Except as provided elsewhere in these Regulations a candidate shall take all papers required for this Degree in the same year. A candidate who is engaged in full-time employment, or with other demanding responsibilities, may be permitted by the Head of the Department to present three or four papers in the first year, or in special circumstances two papers in the first year; and shall present all papers within three years of first enrolment for the Degree.

Papers

4. The following conditions shall apply to the choice of papers within the Degree:

Every candidate shall choose a paper or papers in consultation with the Head of Department from those listed below; provided that no paper which has been credited to another degree shall be taken for this Degree. Not all of the papers will be available in a given year.
Planning Papers
113.500 Advanced Planning Theory
113.501 Equity Issues and Planning
113.502 Advanced Planning Techniques
113.503 Planning Issues
113.504 Environmental Issues and Planning
113.505 Advanced Planning and Resource Management Law
113.506 Urban Design and Planning
113.507 Heritage and Conservation Planning
113.508 Development and Planning for Small Economies
113.509 Tourism Planning

Elective Papers
113.510-14 Special topics approved by the Head of Department

Other Papers
No more than one paper from;
(i) those papers offered at the Third or Fourth Planning Examination level for the BPlan Degree, provided that any paper of less than five credits shall be supplemented by a three credit Elective Study in a topic relevant to the paper, to a total of not less than five credits; and
(ii) papers offered in any other department at the Masters level may be taken provided:
(a) that prerequisites and timetabling requirements can be met, and
(b) that the syllabus is not the same as or substantially overlapping with any other paper prescribed for this Degree, and
(c) that the paper has a weight not less than that of a Planning Master’s paper.

Research Project 113.600
5. The Research Project shall be of the value of two papers, and the topic must be approved by the Head of Department.

A candidate must submit a Research Project Report not later than twelve months after enrolment for the project, provided that the Senate may, in exceptional circumstances, extend this period.

Thesis 113.601
6. The following conditions apply to the Thesis:
(a) The Thesis shall be of the value of four papers, and shall embody the results obtained by the candidate in an investigation in a subject approved by the Head of Department;
(b) A candidate shall present the thesis in the year in which the last papers are taken, or in a subsequent year within three years of the year in which the candidate was first enrolled; but this period may in exceptional circumstances be extended by the Senate;
(c) The candidate shall deliver the Thesis to the Registrar on or before 1 November of the year in which the candidate was enrolled for this paper, or at a later date, but before the date of next enrolment, with the permission of the Head of Department.

Note: An abstract is to be submitted with each copy of the thesis, see Examination Regulation 16.

Honours
7. (a) There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions, First Division and Second Division;
(b) Honours shall be awarded if all requirements which are examined for the degree are passed satisfactorily; provided that a candidate whose performance at a written examination has been seriously impaired by illness or injury or exceptional circumstances beyond his or her control (certified as under the aegrotat or compassionate pass provisions of the Examination Regulations) may elect, instead of applying for an aegrotat or compassionate pass, to take a subsequent written examination so as to be still eligible for the award of Honours, subject to the provision of paragraph (c) of this Regulation;
(c) A candidate shall be eligible for the award of Honours only if the requirements for Honours are completed within three years of his or her first enrolment for this Degree.

Transitional
8. Any candidate enrolled prior to 1995 under the MPlan Regulations shall complete the course under the respective Regulations, but, where required by the Senate, with such substitute papers as it may determine.

Commencement
9. These Regulations shall come into force on 1 January 1995.
113.210 Settlement Planning
Comparative planning systems; development issues, regional, metropolitan, rural, urban and coastal planning.

113.211 Design and the Built Environment
Forces that shape settlements. Theories of sustainable development; modernism and democratic environments. The equitable city; gendered space; the urban village; the creative city.

113.220 Techniques for analysis and decision-making
Inventory, analysis, modelling, evaluation and strategic choice in resource management.

113.221 Research Methods: Theory and Practice
Research techniques and practical applications.

113.230 Planning and Resource Management Law
The Resource Management Act 1991 and other laws affecting local government planning; planning instruments and procedures.

113.240 Environmental Studies
Introduction to global environmental problems of population, resources and pollution.

Part B

110.200 Introduction to Landscape
Appreciation and interpretation of landscape values; design in the development of landscape and the management of resources.

113.250 Development Planning
Evolutionary, Technocratic and Revolutionary Theories of Growth, Development and Planning.

113.252 Landscape Planning
Assessment of landscape quality; design derivation; applications to rural and urban landscapes.

Third Planning Examination

Part A

113.300 Studio 3A

113.301 Studio 3B

113.302 Studio 3C
Design, development and ecological planning practice.

113.310 Theories of Planning
Planning theory related to environmental and social ethics. Theoretical approaches concerning the nature, scope and purpose of planning.

113.311 Planning and Design
Design theory, tradition, history, skills and practice.

113.312 Economic Development and Planning
Economics and planning. Local and regional economic development planning. The role of the public, private and nonprofit sectors.

113.313 Housing
National housing resource and housing policy. Housing markets: structure, functions and failures. Housing need and access to housing.

113.320 Major Study
A supervised study developing in detail a particular aspect of planning.

113.330 Resource Management: Regulation and Control
Theory and practice of land use control techniques, plan preparation, implementation and review.

113.331 Resource Management Case Studies
Observing applications for resource consents. Environmental impact studies; mitigation and avoidance of adverse effects.

113.340 Infrastructure Planning
Planning for urban utility services, refuse disposal, communication and travel facilities, and the use of energy.

Part B

113.350 Pacific Development Issues
Role of planning in developing countries with particular reference to the South Pacific region.

113.351 Cultural Planning
Heritage values, conservation; values of indigenous people; community arts; cultural equity.

113.352 Economics for Resource Management
Identification and measurement of worth and value in resource management. Economic instruments and cost-benefit evaluation. The economics of sustainability.

113.353 Tourism Planning
Opportunities, implications and management of tourist resources in New Zealand.

113.354 Recreation and Reserves Planning
Planning for leisure and recreation; provision and management of open space and other recreational facilities.

Fourth Planning Examination

Part A

113.400 Studio 4A

113.401 Studio 4B

113.402 Studio 4C
Project work linked to planning at the city/regional level. Discussion and application of advanced planning methodology; regulatory approaches; implementation of the plan.

113.410 Sustainable Futures
Views of the future and alternative societal directions; the multiple dimensions of sustainable futures; developing appropriate policies.

113.411 Gender and Planning
An analysis of urban spatial structure; environmental design; economic development; planning practice and policies with regard to gender.

113.412 Maori Planning Issues
Traditional land and social concepts; the Waitangi Tribunal; the Maori Land Court; contemporary Maori land issues; the Maori Affairs Act; local planning provisions for Maori interests.

113.413 Settlement Design
Traditional town development, equity and democracy; design principles, ecological settlement design, the public realm; sustainability; the village.

113.420 Research Study
A case study approach to current planning and resource management issues, examining the place of policy development, social and economic impact of policy and plans on particular groups’ needs for planning, equity and effective partnership.

113.430 Professional Practice
The role and function of planners in public agencies and private consultancies; organisation and management theories and techniques; professional ethics.

MPlan
The prescriptions of the subjects named in the preceding Regulations for MPlan are given below:

113.501 Equity Issues and Planning
Contemporary social and Treaty issues in New Zealand. The social and economic impact of policy and plans on particular groups’ needs for planning, equity and effective partnership.

113.502 Advanced Planning Techniques
Theoretical frontiers of planning and development, with particular reference to contemporary planning practice. Case studies will be used to identify theoretical issues.

113.503 Planning Issues
A case study approach to current planning and resource management issues, examining the place of policy development, law, institutional factors, and evaluative methods.

113.504 Environmental Issues and Planning
Case studies of contemporary environmental issues, with particular emphasis on ecological and social processes as the basis for managing the use, development and protection of the environment.

113.505 Advanced Planning and Resource Management Law
Contemporary New Zealand and international law and its application to planning and resource management. Case studies relating relevant law to current issues in planning and resource management.

113.506 Urban Design and Planning
Traditional and contemporary design theory and methods, and their implications for today’s design skills and practice, with particular emphasis on the planning of urban environments.
113.507 Heritage and Conservation Planning
Contemporary practice in heritage and conservation planning, examining the roles of public institutions, private organisations, and the community, the influences of Maoritanga, other cultural traditions, and legislation.

113.508 Development and Planning for Small Economies
The theoretical and applied basis for planning and development in the context of small economies, with particular emphasis on the needs of the South-West Pacific region.

113.509 Tourism Planning
The theory and practice of planning for recreation and tourism, with case studies which examine the opportunities for tourism development and the resolution of conflicting perceptions over the use, development and protection of the environment.

113.510-14 Special Topics: Approved by the Head of Department of Planning

113.600 Research Project
A project involving research in a planning subject. The project may be a design study, a technological or historical investigation, an experimental or theoretical topic, the development of a new planning procedure, or the development of a computer package.

113.601 Thesis
Note: * Starred papers will not be taught during the current Calendar year
† Daggered papers will not be taught during the current Calendar year unless sufficient staff are available
# Faculty of Arts

## General Information
- Faculty of Arts

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- Schedule of Papers for Bachelor of Arts
- Degree of Master of Arts
- Schedule of Papers for Master of Arts
- Degree of Master of Literature

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- Department of Art History
- Department of Asian Languages and Literatures
- Department of Classics and Ancient History
- Comparative Literature
- Development Studies
- Department of Economics
- Department of Education
- Department of English
- English Writing for Academic Purposes
- Film and Television Studies
- Department of Geography
- Department of Germanic Languages and Literature
- Hebrew
- Department of History
- Language Acquisition (English)
- Department of Management Studies & Labour Relations
- Department of Maori Studies
- Departments of Mathematics
- Department of Music
- New Zealand Studies
- Pacific Studies
- Department of Philosophy
- Department of Physics
- Department of Political Studies
- Department of Psychology
- Department of Romance Languages
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- Diploma in Arts Administration
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- Diploma in Local Government and Administration
- Diploma in Performing Arts
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- Diploma in Professional Ethics
- Postgraduate Diploma in Arts
- Postgraduate Diploma in Social Research
- Postgraduate Diploma in Translation
- Diploma Course Prescriptions
GENERAL INFORMATION

FACULTY OF ARTS

The Faculty of Arts offers a first degree, the Bachelor of Arts, and a Master of Arts, which may be awarded with or without Honours. The BA is intended to be a general degree, containing a number of different subjects, but at least one subject has to be carried to Stage III level (sometimes informally called a ‘major’). Students can choose from a very large number of subjects including some in Science, Commerce and Theology. They can thus partially prepare themselves for a range of occupations, and credits may be granted in respect of College of Education courses. But the concept behind the Degree is more that of a liberal education than a vocational one. In the MA a student usually works within one particular discipline, and more often than not the Degree will include a research component. The BA is, if taken full-time, a three year degree, but it may be taken part-time. The MA, an Honours Degree, must be taken within a limited period, varying according to discipline, but not more than three years in any case. Several diplomas are available within the Faculty, normally postgraduate, and with a vocational emphasis. They include the Diplomas in Broadcast Communication, Drama, Labour Studies, Local Government and Administration, Performing Arts, Politics and the News Media, Professional Ethics and Arts Administration and also Postgraduate Diplomas in Social Research and in Translation.

The Diploma in Arts is designed to provide graduates with an opportunity to update or amplify their knowledge in subjects on which their degree concentrated or amplify their knowledge of cognate or relevant disciplines. The postgraduate Diploma in Arts is designed to give Masters graduates the opportunity to gain a further qualification wholly or substantially in their main subject. The MLitt degree is open to students who have the qualification to attempt a PhD but wish, at least initially, to write a thesis of lesser dimensions.

DEGREE COURSE REGULATIONS

THE DEGREE OF BACHELOR OF ARTS BA

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations, a candidate for the Degree of Bachelor of Arts shall follow a course of study of not fewer than three years.
2. The course of study for the Degree shall consist of twenty-one papers selected from those listed in the Schedule to these Regulations. Papers in a range of subjects and classified in three stages, I, II, III.
3. No course of study for the Degree shall include more than seven papers selected from subjects in Group B, nor more than eighteen in total from Pure Mathematics, Applied Mathematics and Statistics and subjects in Group B.
4. Every course of study for the Degree shall include:
   (a) at least six papers in one subject of which three are at Stage III level.
   (b) at least eleven papers higher than Stage I level selected from two or more subjects.
   (c) no more than eleven papers in any one subject.
5. Every course of study shall consist of four, five or six subjects: provided that a student may exceed this limit in respect of no more than one paper.
6. Except with the permission of the Senate no candidate shall take in any one year more than eight papers for this Degree. Candidates in the first year of study may attempt no more than four subjects or five in the case of a candidate who enrols in a subject in which a limited period, varying according to discipline, but not more than three years in any case.
7. Candidates in the first year of study may attempt no more than four subjects or five in the case of a candidate who enrols in a subject offering at the appropriate level only one paper.

Requirements for Particular Subjects

8. A candidate wishing to be enrolled in any subject which is also a subject of examination for the Degree of Bachelor of Science shall comply with such of the course regulations for that degree relating to prerequisites, combinations of subjects, and practical work, as are applicable to that subject, save where the Senate in individual cases allows otherwise.

Biological Science, Chemistry, Economics, Geography, Mathematics, Physics and Statistics

9. (a) A candidate may with the permission of the Senate enrol for Stage II papers of a subject to which this Regulation applies without having been credited with the Stage I papers. Candidates credited with Stage II papers shall not also have the Stage I papers of the subject credited to their courses. If the examiner certifies that the candidate though failing a Stage II paper or papers, attained the standard of a pass at Stage I of the subject, the candidate shall have the appropriate Stage I paper or papers credited to his or her course.
   (b) This Regulation applies to the following subjects:

   Biological Science, Chemistry, Economics, Geography, Pure Mathematics

10. (a) A candidate with previous knowledge of any subject to which this Regulation applies may be required by the Senate to take Stage II papers of that subject without having passed Stage I papers. A candidate who passes Stage II papers shall be credited with Stage II papers but shall not be credited with Stage I papers as papers for any University degree or diploma. If the examiner certifies that the candidate though failing a Stage II paper or papers, attained the standard of a pass at Stage I of the subject, the candidate shall have the appropriate Stage I paper or papers credited to his or her course.
   (b) This Regulation applies to the following subjects: Asian, Germanic, Romance Languages; Greek; Latin; Russian.

Law

11. (a) This Regulation applies (notwithstanding the provisions of Regulations 2, 4, and 5) to a candidate for this Degree who has been credited for this Degree with no fewer than fifteen papers (in this Regulation called ‘arts papers’), of which three are at Stage III level in one subject and five others are at a higher level than Stage I, and who is not fulfilling Regulation 4(a) above with a subject listed in Group B.
   (b) Where the candidate:
      (i) has been credited with fifteen papers and
      (ii) has been credited for the Degree of LLB or LLB (Hons) with six subjects from those listed in Parts I and II of 11(f) below,
of which at least three are from Part II - the candidate shall be entitled to be credited with those six subjects as the remaining six papers for this Degree.

(c) Where the candidate:
   (i) has been credited with more than fifteen but fewer than twenty-one arts papers and
   (ii) has been credited for the Degree of LLB or LLB (Hons) with one or more subjects from those listed in Parts I and II of 11(f) below the candidate shall be entitled to be credited with it or them as the remaining paper or papers for this Degree, provided that only subjects listed in Part II shall be credited as papers at Stage II.
   (d) A candidate who has completed or is completing the course for the Degree of Bachelor of Laws or Bachelor of Laws (Honours) under the Regulations published in the University of Auckland Calendar 1966, and who invokes this Regulation, may be credited with the subjects Constitutional and Administrative Law in place of the subject Constitutional Law.
   (e) This present regulation being in substitution for that which appeared in the University of Auckland Calendar 1987 ("the old regulation") - a candidate who before 1988 enrolled for this Degree and for any part of the First Law Examination for the Degree of LLB or LLB (Hons) may proceed under the old Regulation but with the substitution of the Schedule to this present Regulation; upon condition that the candidate completes the course for this Degree in 1988 or 1989.

(f) Part I
25.102 Constitutional Law (before 1989) 25.106 Public Law
25.103 Legal System 25.217 Jurisprudence

Part II
25.205 Administrative Law 25.307 Advanced International Law
25.209 Intellectual Property (previously 25.310 Comparative Law
Copyright, Patents, Trademarks & 25.313 Environmental Law
Unfair Competition) 25.315 International Trade
25.210 Criminology 25.316 Law Reform
25.211 Family Law 25.317 Advanced Legal Philosophy
25.212 Industrial Law (previously 25.319 Resource Management Law
(preliminary Legal Philosophy)
25.213 International Institutions 25.324 Air & Space Law
25.214 International Law 25.325 Maori Land Law
25.218 Legal History 25.333 Negotiation, Mediation &
25.220 Local Government Law Dispute Resolution (after 1991)
25.222 Roman Law (after 1991)
25.224 Pacific Legal Studies 25.336 Natural Resources Law
25.234 Welfare Law 225.301 Advanced Studies in a Selected Topic
25.301 Advanced Administrative Law (after 1991)
25.303 Advanced Constitutional Law 225.302 Advanced Studies in a Selected Topic
25.304 Advanced Criminology (after 1991)
25.305 Advanced Family Law 225.303 Advanced Studies in a Selected Topic
25.306 Advanced Industrial Law (after 1991)

(g) (i) Passes in 25.225 and 25.226 as published in the 1992 Calendar may be credited as subjects for Part II.
   (ii) Students may not include credit for 25.217 if they have passes in 25.225 or 25.226.

Music
12. (a) Except with the leave of the Senate, no candidates may advance in Music (that is take any papers in that subject beyond Stage I level) unless they have, before enrolling for any Stage I paper in Music, satisfied the Head of Department that they have attained a suitable standard in the subject.
   (b) Candidates advancing in Music shall comply with Regulation 7 of the Regulations for the Degree of Bachelor of Music as if they were enrolled for that Degree.

BCom/BA
13 (a) With the permission of Senate a candidate whose academic record is of a sufficiently high standard may be admitted to the conjoint course for this Degree and the Degree of Bachelor of Commerce (in this Regulation called a "conjoint course");
   (b) A candidate taking a conjoint course shall obtain the permission of Senate to re-enrol for it in each year after admission to the conjoint course;
   (c) Notwithstanding provisions in other regulations for this Degree, a candidate for this Degree attempting the conjoint course must include a minimum requirement of fourteen papers from the schedule for this Degree.
   (d) A candidate fulfilling the minimum requirement as set out in (c) above shall:
      (i) include no more than four Stage I papers from the BA Schedule of which at least two must be from Group A;
      (ii) not include Stage I papers in Economics or Management Studies and Labour Relations;
      (iii) include at least ten papers higher than Stage I level from the BA Schedule;
      (iv) include at least three papers in one subject at Stage II level from Group A of the BA Schedule;
      (v) not include Stage III papers in the subject with which the candidate is satisfying the BCom Stage III requirement under Regulation 6(a) provided that the Senate may vary this requirement in the case of a subject in which Stage III papers are listed for an approved combined specialisation in the BCom Schedule.

Cross-credits, Credit and Exemptions
14. (a) Except in the case of students to whom Regulation 11 applies, the total cross-credits and exemptions granted to a candidate under Regulations 14, 15, 16, and 17, of the Enrolment and Course Regulations (General) shall not exceed ten papers for this Degree.
   (b) In the case of students to whom Regulation 11 applies, the maximum number of cross-credits, credits and exemptions granted to a candidate under Regulations 14, 15,16 and 17 of the Enrolment and Course Regulations (General) shall be determined by the Dean.

15. A candidate who has successfully completed:
   (i) a course or courses at Teacher's College under the control of the Auckland Teachers' Colleges Council; or
   (ii) the requirements for a Certificate Course of the Centre for Continuing Education; or
   (iii) the course either for the Diploma in Nursing or the Diploma in Physiotherapy at the Auckland Institute of Technology and the course for the Diploma in Nursing at UNITEC Institute of Technology, or Manukau Technical Institute or Northland Polytechnic or
(iv) Studio I for BFA but is not completing that Degree;
(v) Legal System for LLB but is not completing that Degree;
(vi) Introduction to Property for PropAdminI but is not completing the BPA Degree as listed in the Schedule to Regulation 15 of the Enrolment and Course Regulations (General), may be granted credit for this Degree as provided by that Regulation.

16. The Senate may in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

17. (a) Except as otherwise provided in this Regulation, the course of study of every candidate shall be governed by these Regulations.
(b) A candidate who gained credit in any unit or units under any of the former Regulations for this Degree, shall be credited with such equivalent paper or papers as the Senate shall determine.
(c) For candidates who enrolled for this Degree before 1973 the subject prerequisites, corequisites and restrictions, where not covered by these Regulations, shall be determined by the Head of the Department concerned.
(d) A candidate who gained credit in any paper under any of the former Regulations may complete the Degree under these present Regulations.
(e) These Regulations shall come into force on 1 January 1981.

Note: * Starred papers will not be taught during the current Calendar year.
† Daggered papers will not be taught during the current Calendar year unless sufficient staff are available.

<table>
<thead>
<tr>
<th>Paper No</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Part of Year</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.100</td>
<td>Near Eastern History</td>
<td>*</td>
<td></td>
<td>12.100</td>
</tr>
<tr>
<td>12.200</td>
<td>Egypt in Dynasty XVIII</td>
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Roman Options

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Other Options

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Schedule

1. This Schedule sets out paper numbers, prerequisites, corequisites, subjects, restrictions and other conditions applying to courses for the Degree of Bachelor of Arts.

2. This Schedule shall be read with the Regulations for the Degree and with the prescriptions set out elsewhere in the Calendar.

3. (a) The heading 'prerequisites' in relation to a paper refers to other papers which must be passed before the candidate may take that paper.
   (b) Where a prerequisite has been waived by a Head of Department and re-imposed as a corequisite the paper or papers as to which that corequisite is imposed may not be credited as a pass for the candidate's course of study unless and until the candidate has passed that corequisite.

4. (a) The heading 'corequisites' in relation to a paper refers to other papers which must be taken concurrently with that paper or have been passed in a previous year. Except as provided elsewhere in these Regulations or in this Schedule, if a corequisite of a paper is failed then the paper passed cannot be used as a prerequisite to other courses.
   (b) Except as provided elsewhere in these Regulations or in this Schedule, the corequisites marked ✪ in the Schedule are linked in the sense that they:
      (i) must be attempted in the same year and will not be credited separately;
      (ii) will be treated as a unit for the purpose of Examination Regulation 5 (b), of the Examination Regulations.

5. The heading 'restrictions' in relation to a paper refers to a paper which cannot be taken in addition to that paper.

6. Except as provided elsewhere in these Regulations or in this Schedule, a candidate may not enrol for any paper until he satisfies all prerequisite and corequisite requirements and other requirements listed in the Schedule.

The papers prescribed for this Degree are:

<table>
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<th>Corequisites</th>
<th>Restrictions</th>
<th>Qualifications</th>
<th>Notes</th>
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<td>12.324</td>
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**ANTHROPOLOGY**

**Anthropology I**
- 03.100 Introduction to Social Anthropology
- 03.101 The Archaeology of Human Cultural Development: the last two million years
- 03.102 Introduction to Maori Society
- 03.104 Introduction to Biological Anthropology

**Anthropology II**
- 03.200 Ethnography of Island Polynesia
  - 03.201 Melanesian Ethnography
  - 03.206 Origins of Civilisation
  - 03.207 Human Evolution
  - 03.208 The Coming of the Maori
  - 03.209 The Music of Africa
- 03.310 Ethnic Groups and Intercultural Relations
- 03.211 The Ancient Maori World/Te Ao Tawhito
- 03.214 Issues in Social Theory
- 03.215 Method and Theory in Archaeology
- 03.216 Maori Kinship and Community
- 03.217 Ethnographies of the Contemporary Maori
- 03.219 Anthropological Perspectives on Gender
- 03.220 Theories in Social Anthropology
- 03.221 Practising Ethnomusicology
- 03.222 Social Change
- 03.223 Culture and History in Western Polynesia; Fiji, Samoa, Tonga
- 03.224 Ethnography of Micronesia
- 03.225 Peoples of the Other Pacific Rim: the Americas

**Availability**

- *: enrolled as part of a paper sequence
- †: should be completed by the end of your first year of study
- #: mandatory to take in year of study
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Note: One approved paper from another subject may, with the consent of the Head of Department, be substituted and counted as part of the subject Ancient History for the purposes of Regulation 4 and MA Regulation 1 (b). With the consent of the Head of Department students may offer as Stage II papers one or two of the 12.400-12.409, 12.419, 12.422 as prescribed for the MA Degree.
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**ART HISTORY**

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<td>Maori and Other Polynesian Arts</td>
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*Art History II*

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<td>19.262</td>
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<td>With permission of the Head of Department at Stage III level (i) a student may enrol in one or two Stage III papers without fulfilling the prerequisites or (ii) prerequisites may be waived and reimposed as corequisites As for 03.300</td>
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<td>As for 19.301</td>
</tr>
<tr>
<td>19.302</td>
<td>Mid 19th Century Painting in France and Britain</td>
<td>*</td>
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<tr>
<td>19.303</td>
<td>Durer and his Sources and Influence</td>
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<td>1st half</td>
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<td>19.304</td>
<td>Nationalist Themes in New Zealand Art, 1930 to the present</td>
<td>*</td>
<td>2nd half</td>
<td>As for 19.301</td>
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<tr>
<td>19.305</td>
<td>Topics in Roman Baroque Art and Architecture</td>
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<tr>
<td>19.306</td>
<td>Art in the USA, 1945-75</td>
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<td>19.307</td>
<td>Topics in Early 20th Century Sculpture</td>
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<td>As for 19.301</td>
</tr>
<tr>
<td>19.308</td>
<td>Women in Art</td>
<td>*</td>
<td>2nd half</td>
<td>As for 19.301</td>
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<tr>
<td>19.309</td>
<td>Topics in 17th Century Graphic Art</td>
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<tr>
<td>19.310</td>
<td>Contemporary New Zealand Art</td>
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<tr>
<td>19.311</td>
<td>Topics in 19th and 20th Century Architecture and Design</td>
<td>*</td>
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<td>As for 19.301</td>
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<tr>
<td>19.312</td>
<td>Michelangelo</td>
<td>*</td>
<td>2nd half</td>
<td>As for 19.301</td>
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<tr>
<td>19.313</td>
<td>Nicholas Poussin and 17th Century Classicism</td>
<td>*</td>
<td>2nd half</td>
<td>As for 19.301</td>
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**ASIAN HISTORY**

**Asian History I**

<table>
<thead>
<tr>
<th>Paper No</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Part of Year</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>24.130</td>
<td>China Since the Opium War</td>
<td>1st half</td>
<td>1st half</td>
<td>Two Stage I papers in History and/or Asian History</td>
</tr>
<tr>
<td>24.133</td>
<td>The Development of Modern Japan</td>
<td>2nd half</td>
<td>2nd half</td>
<td>As for 24.222</td>
</tr>
<tr>
<td>24.134</td>
<td>Themes in Southeast Asian History</td>
<td>2nd half</td>
<td>2nd half</td>
<td>Two Stage I papers in History and/or Asian History</td>
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**Asian History II**

<table>
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<th>Availability</th>
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<th>Prerequisites</th>
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<tbody>
<tr>
<td>24.222</td>
<td>China under the Ming and Qing Dynasties</td>
<td>2nd half</td>
<td>2nd half</td>
<td>Two Stage I papers in History and/or Asian History</td>
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<tr>
<td>24.225</td>
<td>Towards an Ecohistory of Southeast Asia</td>
<td>1st half</td>
<td>1st half</td>
<td>As for 24.222</td>
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<tr>
<td>24.226</td>
<td>Japan's Post-war Economy: Post-feudal or Post-modern?</td>
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<td>2nd half</td>
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**Asian History III**

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<th>Part of Year</th>
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<tr>
<td>24.312</td>
<td>Sino-Japanese relations since the Meiji restoration</td>
<td>2nd half</td>
<td>2nd half</td>
<td>Two Stage II papers in History and/or Asian History</td>
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<tr>
<td>24.330</td>
<td>British Imperialism in South East Asia</td>
<td>2nd half</td>
<td>2nd half</td>
<td>As for 24.312</td>
</tr>
<tr>
<td>24.341</td>
<td>Special Topic</td>
<td>2nd half</td>
<td>2nd half</td>
<td>As for 24.312</td>
</tr>
<tr>
<td>24.344</td>
<td>East Asia's Four Tigers: Taiwan, Korea, Singapore, Hong Kong</td>
<td>1st half</td>
<td>1st half</td>
<td>As for 24.312</td>
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<tr>
<td>24.345</td>
<td>Australia, New Zealand, and the Asia-Pacific: a Social-Cultural History</td>
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<td>1st half</td>
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**ASIAN POLITICS**

**Asian Politics II**

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<th>Prerequisites</th>
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<tbody>
<tr>
<td>30.210</td>
<td>Southeast Asian Foreign Policies</td>
<td>*</td>
<td>1st half</td>
<td>Any two papers from Political Studies I and/or Asian Politics I</td>
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<td>Restrictions</td>
<td>Qualifications</td>
<td>Notes</td>
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<tr>
<td>04.211</td>
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<tr>
<td>04.113, 04.206</td>
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19.306 under 1981 Regulations

Students are advised that other relevant papers may be found under the subject History in this schedule.

The Head of Department may waive one or both of the prerequisites if a candidate is advancing in an Asian language, or, exceptionally in other cases As for 24.222
As for 24.222

In exceptional circumstances the Head of Department may waive one prerequisite paper, provided it is taken as a corequisite As for 24.312
As for 24.312
As for 24.312

The Head of Department may exempt students who wish to enrol in 30.210, 30.216 or 30.313 from prerequisites, if they have passed other relevant papers in, for example Asian Geography, Asian History, Asian Politics, or Asian Languages and Literature.
<table>
<thead>
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<th>Title of Paper</th>
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<th>Part of Year</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>30.216</td>
<td>Politics of Japan</td>
<td>†</td>
<td>1st half</td>
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<tr>
<td>30.313</td>
<td>Chinese Foreign Policy and International Relations</td>
<td>*</td>
<td></td>
<td>Any two papers from Political Studies II and/or Asian Politics II</td>
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**ASIAN STUDIES**

**Asian Studies I**

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<th>Title of Paper</th>
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<th>Part of Year</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>97.100</td>
<td>Introduction to Chinese Thought</td>
<td>†</td>
<td>1st half</td>
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<tr>
<td>97.101</td>
<td>Aspects of Traditional Chinese Culture</td>
<td>†</td>
<td>1st half</td>
<td></td>
</tr>
<tr>
<td>97.102</td>
<td>Modern China through Film and Literature</td>
<td>†</td>
<td>2nd half</td>
<td></td>
</tr>
<tr>
<td>97.103</td>
<td>Ethnic Chinese Abroad with special reference to the New Zealand Chinese</td>
<td>†</td>
<td>2nd half</td>
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<tr>
<td>97.123</td>
<td>Indonesian Literature in Translation</td>
<td>†</td>
<td></td>
<td></td>
</tr>
<tr>
<td>97.124</td>
<td>Indonesian Cultures and Societies</td>
<td>†</td>
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<tr>
<td>97.125</td>
<td>Introduction to Asian Religions</td>
<td>†</td>
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<tr>
<td>97.140</td>
<td>Japanese Literature in Translation</td>
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<tr>
<td>97.141</td>
<td>Introduction to Japanese Thought and Culture</td>
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<tr>
<td>97.142</td>
<td>Special Topic: A Topic in Japanese Culture</td>
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<tr>
<td>97.160</td>
<td>Buddhism, Confucianism and Shamanism in Korean Culture</td>
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**Asian Studies II**

<table>
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<tr>
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<th>Part of Year</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>97.200</td>
<td>Major Schools of Chinese Thought</td>
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<tr>
<td>97.224</td>
<td>Nusantara: Selected Topics I</td>
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<td></td>
<td>Any one of 97.123, 80.120, 97.124, 80.130, 97.125, 80.131, 97.120, 80.103, 97.121, 80.104, 97.122, 80.105</td>
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<tr>
<td>97.225</td>
<td>Dutch Colonial History and Literature</td>
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<td>Any two of 97.120, 80.103, 97.121, 80.104, 97.122, 80.105, 97.123, 80.120, 97.124, 80.130, 97.125, 80.131</td>
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<tr>
<td>97.227</td>
<td>Introduction to the Methodology of Indonesian Studies</td>
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<td>One from 97.140, 97.141, 81.102 or 81.103</td>
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<tr>
<td>97.240</td>
<td>Japanese Thought and Culture: A Historical Survey</td>
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**CHINESE**

**Chinese I**

<table>
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<th>Title of Paper</th>
<th>Availability</th>
<th>Part of Year</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>48.100</td>
<td>Introduction to Modern Chinese Language A</td>
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<tr>
<td>48.101</td>
<td>Introduction to Modern Chinese Language B</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48.102</td>
<td>Introduction to Chinese Thought</td>
<td></td>
<td>1st half</td>
<td></td>
</tr>
<tr>
<td>48.104</td>
<td>Aspects of Traditional Chinese Culture</td>
<td>†</td>
<td>1st half</td>
<td></td>
</tr>
<tr>
<td>48.105</td>
<td>Modern China through Film and Literature</td>
<td>†</td>
<td>2nd half</td>
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<tr>
<td>48.106</td>
<td>Ethnic Chinese Abroad with special reference to the New Zealand Chinese</td>
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<tr>
<td>48.107</td>
<td>Academic Chinese for Native Speakers (non-Mandarin)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48.108</td>
<td>Academic Chinese for Native Speakers (Mandarin)</td>
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**Chinese II**

<table>
<thead>
<tr>
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<th>Title of Paper</th>
<th>Availability</th>
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<tbody>
<tr>
<td>48.200</td>
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<td>48.100, 48.101</td>
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<tr>
<td>Corequisites</td>
<td>Restrictions</td>
<td>Qualifications</td>
<td>Notes</td>
</tr>
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<tr>
<td>T30.219</td>
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<td>As for 30.210</td>
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</tr>
<tr>
<td>30.108,</td>
<td></td>
<td>As for 30.210</td>
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<tr>
<td>T30.219</td>
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| 48.102      |              |                |       |
| 48.104      |              |                |       |
| 48.105      |              |                |       |
| 48.106      |              |                |       |
| 80.120      |              | Senate may waive restriction for a student who has only done one of 80.104, 80.105, 97.121, 97.122 |
| 80.130, 97.120, 80.103 | | | |
| 80.131, 97.121, 97.122, 97.223, 80.104, 80.105, 80.206 | | | |
| 81.102      |              |                |       |
| 81.103      |              |                |       |
| 81.104      |              |                |       |
| 449.102     |              |                |       |
| 48.203      |              | Prerequisite may be waived by the Head of Department |       |
| 80.230      |              | As for 97.200  |       |
| 80.231, 421.202 | | | |
| 80.250      |              | Prerequisites may be waived by the Head of Department |       |
| 81.209      |              |                |       |

Students should note the distinction below between papers for Native Speakers (Mandarin or other dialects) and for other students.

<p>| 48.101      |              | 48.107, 48.108 |       |
| 48.100      |              | 48.107, 48.108 |       |
| 97.100      |              | 97.100, 97.101 |       |
| 97.102      |              | 97.103, 97.103 |       |
| 48.100, 48.101 | | | |
| 48.201, 48.202 | | | |
| 48.204, 48.205 | | | By special permission of the Head of Department the prerequisites and corequisites may be waived |       |</p>
<table>
<thead>
<tr>
<th>Paper No</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Part of Year</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>48.201</td>
<td>Readings in Modern Chinese</td>
<td></td>
<td></td>
<td>48.100, 48.101</td>
</tr>
<tr>
<td>48.202</td>
<td>Introduction to Classical Chinese</td>
<td></td>
<td></td>
<td>As for 48.201</td>
</tr>
<tr>
<td>48.203</td>
<td>Major Schools of Chinese Thought</td>
<td></td>
<td></td>
<td>48.102 or 97.100</td>
</tr>
<tr>
<td>48.204</td>
<td>Introduction to Translation for Native Speakers</td>
<td>†</td>
<td></td>
<td>48.107 or 48.108</td>
</tr>
<tr>
<td>48.205</td>
<td>Readings in Modern and Classical Chinese for Native Speakers</td>
<td>†</td>
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<td>48.107 or 48.108</td>
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**Chinese III**

<table>
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<th>Title of Paper</th>
<th>Availability</th>
<th>Part of Year</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>48.300</td>
<td>Advanced Modern Chinese</td>
<td></td>
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<td>48.200, 48.201, 48.202</td>
</tr>
<tr>
<td>48.301</td>
<td>Advanced Readings in Modern Chinese</td>
<td></td>
<td></td>
<td>48.200, 48.201, 48.202</td>
</tr>
<tr>
<td>48.302</td>
<td>Readings in Classical Chinese Literature</td>
<td></td>
<td></td>
<td>As for 48.301</td>
</tr>
<tr>
<td>48.303</td>
<td>Advanced Translation for Native Speakers</td>
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<td>48.204</td>
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<tr>
<td>48.304</td>
<td>Advanced Readings in Modern and Classical Chinese for Native Speakers</td>
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**CLASSICAL STUDIES**

<table>
<thead>
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<th>Classical Mythology through Tragedy</th>
<th>1st half</th>
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<tr>
<td>73.110</td>
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<table>
<thead>
<tr>
<th>Classical Studies II</th>
<th>Greek and Roman Epic Poetry</th>
<th>†</th>
<th>1st half</th>
<th>12.104 or 73.105 or 73.110</th>
</tr>
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<tbody>
<tr>
<td>73.210</td>
<td>Greek and Roman Comedy</td>
<td>†</td>
<td>1st half</td>
<td>12.104 or 73.105 or 73.110</td>
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<tr>
<td>73.220</td>
<td>The Novel in Ancient Greece and Rome</td>
<td>†</td>
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**COMPARATIVE LITERATURE**

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<tr>
<th>Comparative Literature II</th>
<th>Narrative: Theory and Practice</th>
<th>2nd half</th>
<th>Six BA papers at Stage I including either (a) two papers in a language subject other than English; or (b) two English papers</th>
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<tbody>
<tr>
<td>462.200</td>
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| 462.201                   | The Artist in Literature        |  † |          | As for 462.200 |

**COOK ISLANDS' MAORI**

| 477.104                   | Introduction to the Structure of Cook Islands' Maori |  † | 1st half |          |
| 477.105                   | Introduction to Spoken and Written Cook Islands' Maori |  † | 2nd half |          |

**DUTCH**

<table>
<thead>
<tr>
<th>Dutch I</th>
<th>Language Acquisition</th>
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<tbody>
<tr>
<td>421.100</td>
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<tr>
<td>421.102</td>
<td>Aspects of Civilisation of the Low Countries</td>
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<table>
<thead>
<tr>
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<th>Language Acquisition</th>
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<th></th>
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<tbody>
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<table>
<thead>
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<th>Dutch Colonial History and Literature</th>
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<th></th>
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<tbody>
<tr>
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<td>421.200</td>
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<th>Language Acquisition</th>
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<td>421.400</td>
<td>Dutch Colonial History and Literature</td>
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### Corequisites

<table>
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<th>Restrictions</th>
<th>Qualifications</th>
<th>Notes</th>
</tr>
</thead>
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<td>48.204, 48.205</td>
<td>As for 48.200</td>
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<tr>
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<td>48.204, 48.205</td>
<td>As for 48.200</td>
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<tr>
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<td>97.300</td>
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### Restrictions

<table>
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<th>Qualifications</th>
<th>Notes</th>
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<td>48.303, 48.304</td>
<td>As for 48.300</td>
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<td>48.300, 48.301, 48.302</td>
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### Qualifications Notes

By special permission of the Head of Department the prerequisites and corequisites may be waived.

The papers listed as corequisites may have been taken in an earlier year. With special permission of the co-ordinator for Comparative Literature prerequisites or corequisites may be waived.

Enrolment by permission of Head of Department
## ECONOMICS

### Economics I

<table>
<thead>
<tr>
<th>Paper No</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Part of Year</th>
<th>Prerequisites</th>
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<tbody>
<tr>
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<td>13.101</td>
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### Economics II

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<td>13.203</td>
<td>Managerial Economics</td>
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### Economics III

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<td>Econometrics</td>
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<td>13.101 or T13.101</td>
<td>T13.100, 13.103</td>
<td>The corequisite for 13.101 is unlikely to be waived</td>
<td>Students intending to advance beyond Stage I Economics require an adequate mathematical background and are advised to include 26.108 (or equivalent) in their first year course.</td>
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<td>26.108 or 26.151</td>
<td>T13.200, 13.203</td>
<td>Students who passed 13.103 and 13.104 with at least B- average prior to 1987 can proceed to any Economics II papers other than 13.205 or T13.205 for which a statistical prerequisite is also needed.</td>
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<td>or equivalent papers approved by the Head of Department</td>
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<td>13.300, 13.301</td>
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<td>Students taking papers 13.300 or T13.300, 13.301 or T13.301, 13.302 or T13.302, or 13.305 should have previously passed at least one paper in pure mathematics, and are also strongly advised to have taken 13.205 or T13.205.</td>
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<td>Part of Year</td>
<td>Prerequisites</td>
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<tr>
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<td>13.200 or T13.200 or 13.201 or T13.201</td>
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<td>13.311</td>
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<tr>
<td>13.313</td>
<td>Management and Enterprise in Britain</td>
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<td>13.314</td>
<td>Law and Economics</td>
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<td>12.200 or T13.200 and 02.100 or T02.100 (or 25.104 and 25.105) or approval of Head of Department</td>
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<td>13.316</td>
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<td>T13.330</td>
<td>Special Topic</td>
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<td>T13.335</td>
<td>Special Topic</td>
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**EDUCATION**

**Education I**

14.100  Schooling, Education and Society

14.101  Introduction to Developmental Psychology

**Education II**

14.200  Comparative Education  †

A candidate enrolling in two or more Stage II papers must have 14.100 (or with approval of Head of Department, 04.101 or 79.100) and 14.101 or 14.109

14.201  History of Education

14.202  New Zealand Education

14.203  Educational Psychology

14.204  Measurement & Evaluation in Education

14.205  Measurement & Evaluation in Education  †

14.206  The Sociology of Education

14.207  The Sociology of Education

14.208  Educational Philosophy

14.209  Introduction to Methods of Research in Education

14.210  Introduction to Curriculum Studies  †

14.211  Child Development: Language processes in early childhood

As for 14.200

As for 14.200

As for 14.200

As for 14.200

As for 14.200

As for 14.200

As for 14.200

As for 14.200

As for 14.200

As for 14.200

As for 14.200

As for 14.200
### Corequisites

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<tr>
<th>Corequisites</th>
<th>Restrictions</th>
<th>Qualifications</th>
<th>Notes</th>
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<tr>
<td>T13.309</td>
<td>With permission of the Head of Department students may take 13.205 or T13.205 as a corequisite for 13.309 or T13.309</td>
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<tr>
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13.304 or 13.309

As for 12.315

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<th>Corequisites and prerequisites may be waived for students with a good pass in 13.211</th>
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<th>Notes</th>
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<td>13.315</td>
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<td>As for 13.311</td>
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14.102

A candidate intending to take Stage III papers or more than two Stage II papers in Education must have passed 14.100 (or with approval of Head of Department, 04.101 or 79.100) and 14.101

14.109

The Head of Department may waive the prerequisites or restrictions in special circumstances.

A candidate intending to take two or more Stage III papers must have passed two Stage II papers.

A candidate intending to take only one Stage II paper must have the permission of the Head of Department.

A candidate intending to take only one or two Stage II papers not having passed 14.100 and 14.101 must have the permission of the Head of Department.

As for 14.200

As for 14.200

N14.204

As for 14.200

E14.204, 14.206, N14.206

As for 14.200

N14.206, E14.206

As for 14.200

14.206, E14.206

As for 14.200

14.206, E14.206

As for 14.200

As for 14.200

As for 14.200

As for 14.200
### Faculty of Arts

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<th>Part of Year</th>
<th>Prerequisites</th>
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<tr>
<td>14.212</td>
<td>The State and Indigenous Education in the Islands of the Pacific including Aotearoa</td>
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<tr>
<td></td>
<td><strong>Education III</strong></td>
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<td>A candidate enrolling in two or more Stage III papers must have passed two Stage II papers.</td>
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<td>14.300</td>
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<tr>
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<td>Comparative Education</td>
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<td>History of Education</td>
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<td>14.303</td>
<td>School and Society</td>
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<td>14.306</td>
<td>Introduction to Counselling in the Community</td>
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<tr>
<td>14.308</td>
<td>Educational Psychology: A Behavioural Approach</td>
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<td>14.309</td>
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<td>14.310</td>
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<td>14.313</td>
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<td>14.316</td>
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<td>14.317</td>
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<td>14.319</td>
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<td>14.327</td>
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<td>14.328</td>
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<td>14.333</td>
<td>Akonga Maori: Nga Take E Pa Ana Ki Nga Akonga Maori</td>
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<td>Historical Perspectives on the Family, School and Society</td>
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<td>14.337</td>
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### ENGLISH

**English I**

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<td>Introduction to Chaucer and Shakespeare</td>
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<td>18.101</td>
<td>20th Century Literature</td>
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</table>
Corequisites

At least two other Stage III papers in Education

Restrictions

14.310

As for 14.300

14.305

As for 14.300

Qualifications

As for 14.200

Notes

The Head of Department may waive the prerequisites or restrictions in special circumstances. A candidate intending to take only one or two Stage III papers must have the permission of the Head of Department.

As for 14.300

Candidates should note that (i) the prerequisites for enrolment in one or more papers at English II are passes in any two English I papers; (ii) for some English II papers there are specific English I paper prerequisites; (iii) 18.100 is recommended for those intending to take 18.200.

As for 18.100
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<th>Part of Year</th>
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<td>New Zealand Literature I</td>
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<td>E18.103</td>
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<td>18.104</td>
<td>19th Century Literature</td>
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<td>18.105</td>
<td>Introduction to the Linguistic Study of English</td>
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<td>T18.106</td>
<td>English Linguistics: An Introduction</td>
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<td>T18.107</td>
<td>Poetry, Prose and Drama: Past and Present</td>
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<td>T18.108</td>
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<td>T18.208</td>
<td>The English Language World Wide</td>
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<td>18.210</td>
<td>The Age of Shakespeare: Poetry</td>
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<td>18.213</td>
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<td>New Zealand Literature: Texts and Contexts</td>
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<td>18.250</td>
<td>English Language for Teachers</td>
<td>Any four University papers or the equivalent credits</td>
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<td>18.301</td>
<td>Old English: Language, Literature and Society</td>
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<td>One paper from 18.210, 18.213 or T18.218 and one other English II paper</td>
<td>E18.103, 18.113 18.103, 18.113</td>
<td>As for 18.200 18.103 is limited to BEd candidates and is taught at the Auckland College of Education</td>
<td>Corerequisite requirements refer to the course of students taking more than two Stage II papers in English over one or more years. Students intending to advance in English are advised that it is in their interest to take three English II papers in the same year. Further papers up to five may be taken concurrently or in a later year. For prerequisites for English III see Notes. By permission of the Head of Department prerequisites and corequisites may be waived in exceptional circumstances.</td>
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<td>As for 18.200</td>
<td>E18.106, 18.115, 18.115, 83.102 83.102</td>
<td>As for 18.100</td>
<td>Candidates should note that (i) for entry into one or more papers at English III the prerequisites are one of 18.200, 18.201, 18.205, 18.206, 18.207 or T18.208, one of 18.210, 18.213 or T18.218; and one other English II paper; (ii) for some English III papers there are specific English II paper prerequisites; (iii) 18.250 may not be substituted for any English III prerequisite papers.</td>
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<td>83.223, 18.224, 83.203 and 83.204</td>
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<td>See Note for 18.200</td>
<td>18.221</td>
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<td>18.250 is a limited entry paper principally designed for the Diploma in English Language Teaching. Some places are reserved for other students who are teachers.</td>
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<td>One paper from 18.306-18.308, 18.320 and one other English III paper</td>
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<td>Corequisite requirements refer to the course of candidates taking three English III papers over one or more years. Candidates intending to advance to MA in English are recommended to take more than 3 English III papers. By permission of the Head of Department prerequisites and corequisites may be waived in exceptional circumstances.</td>
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<td>Literary Criticism and Theory: An Introduction</td>
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<td>18.342</td>
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ENGLISH WRITING FOR ACADEMIC PURPOSES

T401.101 English Writing for Academic Purposes
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<td>18.330, 83.300</td>
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<td>Students doing a full BA course in French would normally take 34.100 and 34.101, 34.200 and two other French II papers, and 34.300 with two other French III papers. These requirements can be waived only with the permission of the Head of Department or Head of the French Section. 34.101 is not a requirement for students wishing to advance in Language Acquisition only.</td>
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By permission of the Head of Department prerequisites may be waived in exceptional circumstances. As for 85.300

| See Note | See Note to 34.100 34.300 | \*Students who have not passed Bursaries French but who gain a B+ pass or better in 34.151/34.152 may enrol in 34.100 |

| 34.100 | 34.100, 34.102 |
| 34.152 | 34.100, 34.102 |
| 34.151 | 34.100, 34.102 |
| As for 34.100 34.200 | | |
| As for 34.201 | | |
| As for 34.201 | | |
| As for 34.201 | | |
| As for 34.201 | | |
| As for 34.201 | | |
| As for 34.201 | | |
| See Note to 34.100 34.300 | | |
| As for 34.302 | | Enrolment only by permission of Head of Department |
| As for 34.302 | | |
| As for 34.302 | | |
| As for 34.302 | | |
| As for 34.302 | | |
| As for 34.302 | | |
| As for 34.302 | | |

\*T20.101 and T20.151
T20.102 and T20.152
20.101 and T20.101
20.102 and T20.102
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<td>20.205</td>
<td>Environmental Processes and Management</td>
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<tr>
<td>T20.251</td>
<td>Earth Surface and Atmospheric Processes</td>
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<tr>
<td>T20.252</td>
<td>Society and Environment</td>
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<tr>
<td>T20.255</td>
<td>Human Impact in the Environment</td>
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<tr>
<td>Geography III</td>
<td>Regional Processes and Development</td>
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<td>Either: (a) 20.204 ; AND one from 20.202, T20.252; AND one other Stage II paper in Geography; OR (b) ALL of T20.251, T20.252, T20.255</td>
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<td>20.302</td>
<td>Population, Health and Society</td>
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<td>20.312</td>
<td>Development in the Asia-Pacific Region</td>
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<td>20.313</td>
<td>Advanced Analytical Methods in Geography</td>
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<td>Either: (a) 20.204 ; AND two other Stage II papers in Geography; OR (b) ALL of T20.251, T20.252, T20.255</td>
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<td>20.314</td>
<td>Geographic Information Systems</td>
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<td>20.315</td>
<td>Research Design and Methods in Human Geography</td>
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<td>20.317</td>
<td>Remote Sensing and Image Analysis</td>
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<td>Either: (a) 20.204 , AND one from 20.205, T20.205, T20.251, AND one other Stage II paper in Geography; OR (b) ALL of T20.251, T20.252, T20.255</td>
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<td>20.320</td>
<td>Resources and Environmental Management</td>
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<td>20.321</td>
<td>Geography of the Maori</td>
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<td>20.331</td>
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<td>20.332</td>
<td>Topics in Physical Geography B</td>
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<tr>
<td>T20.351</td>
<td>Coastal and Marine Geography</td>
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<td>T20.352</td>
<td>Environmental Geography</td>
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<td>T20.353</td>
<td>Field Studies in Geography</td>
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**GERMAN**

**German I**

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<tr>
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<td>Language Acquisition</td>
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<tr>
<td>22.101</td>
<td>Introduction to German Literature</td>
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<td>Corequisites</td>
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<td>--------------</td>
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<tr>
<td>T20.251</td>
<td>With special permission of the Head of Department (i) a student may enrol in one Stage II paper without fulfilling the prerequisites, or (ii) prerequisites may be waived and reimposed as corequisites.</td>
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<td>T20.252</td>
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<tr>
<td>20.202</td>
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<td>20.205, T20.205</td>
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<td>Students including three or more Stage III Geography papers, must attempt at least one of 20.315, 20.330 and T20.353. With special permission of the Head of Department (i) a student may enrol in one or two Stage III papers without fulfilling the prerequisites, or (ii) prerequisites may be waived and reimposed as corequisites, or (iii) prerequisites may be waived for students who enrolled in Stage II papers prior to 1995.</td>
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<td>By special permission of the Head of Department the prerequisites and corequisites for Stage I papers may be waived.</td>
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<td>From Versailles to Pearl Harbor: issues of peace and war</td>
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<td>24.101</td>
<td>The Russian Revolution</td>
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<td>22.105</td>
<td>22.100 and its corequisite 22.101 may be taken after passing 22.105 and 22.103</td>
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<td>22.202, 22.203</td>
<td>A student who presents or has presented 22.200 without having passed 22.100 may not enrol in 22.103 or 22.105</td>
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<tr>
<td>24.105</td>
<td>The U.S.A. in the 20th Century</td>
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<td>24.107</td>
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<td>24.109</td>
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<tr>
<td>24.122</td>
<td>New Zealand and its Peoples: Maori and Pakeha in the 19th Century</td>
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<td>24.123</td>
<td>New Zealand and its Peoples: Maori, Pakeha and Polynesian in the 20th Century</td>
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<td>24.140</td>
<td>Europe in the Age of Kings and Queens 1450-1700</td>
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<td>24.141</td>
<td>Europe in the Age of Revolution 1750-1875</td>
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<td>T24.150</td>
<td>Invention, Science and Society</td>
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<td>T24.151</td>
<td>New Zealand and the Wider World</td>
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<td>24.200</td>
<td>Rome and the Barbarians</td>
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<td>24.201</td>
<td>Medieval English Kingship from Alfred to Henry III</td>
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<td>24.214</td>
<td>Parliaments, Estates and Revolutions 1500-1660</td>
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<td>24.215</td>
<td>Seventeenth-Century England: A Social History</td>
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<td>24.217</td>
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<td>24.218</td>
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<td>24.219</td>
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<td>24.230</td>
<td>Polynesian and European Exploration of the Pacific</td>
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<td>24.233</td>
<td>Australian Social History 1788-Present</td>
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<td>24.235</td>
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<td>24.236</td>
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<td>The First 100 Years: Mexico and Peru in the Sixteenth Century, and New Zealand in the Nineteenth Century; a History of the Colonised</td>
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<td>T24.238</td>
<td>South American History, 1880 to the Present</td>
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<td>T24.240</td>
<td>Science, Religion and Politics: Historical Case Studies</td>
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<td>History III</td>
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<tr>
<td>24.301</td>
<td>The Mexican Revolution</td>
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<td>24.302</td>
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<td>24.305</td>
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<td>24.307</td>
<td>The Origins of the First World War</td>
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<td>24.315</td>
<td>Pacific History: Culture Contact to about 1900</td>
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<td>24.320</td>
<td>Gender Relations in Twentieth-Century New Zealand</td>
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<td>German Conservatism in the Nineteenth and Twentieth Centuries</td>
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<td>24.323</td>
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<td>24.325</td>
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<tr>
<td>82.102</td>
<td>after 1984</td>
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**Notes**

In exceptional circumstances the Head of Department may waive one prerequisite paper, provided it is taken as a corequisite. Students taking History III papers should note that it may prove impossible, owing to pressure of numbers in certain classes, to allow students to enrol for all the papers of their first choice.

As for 24.301
As for 24.301
As for 24.301
<table>
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<th>Part of Year</th>
<th>Prerequisites</th>
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<tr>
<td>24.329</td>
<td>Social Welfare in New Zealand from 1840 to the present day</td>
<td>1st half</td>
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<td>24.332</td>
<td>Early Monasticism *</td>
<td>2nd half</td>
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<tr>
<td>24.333</td>
<td>A History of Medieval Europe from Charlemagne to Philip the Fair</td>
<td>1st half</td>
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<tr>
<td>24.334</td>
<td>Britain and Russia: a Century of Conflict</td>
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<tr>
<td>24.342</td>
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<tr>
<td>24.343</td>
<td>Special Topic †</td>
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<td>24.351</td>
<td>Waitangi: the Treaty and the Tribunal</td>
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<td>24.354</td>
<td>Radicals and Dissenters in American Culture and Politics, 1840s to present</td>
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**INDONESIAN**

**Indonesian I**

| 80.100   | Bahasa Indonesia IA |
| 80.101   | Bahasa Indonesia IB |
| 80.120   | Indonesian Literature in Translation |
| 80.130   | Indonesian Cultures and Societies |
| 80.131   | Introduction to Asian Religions † |

**Indonesian II**

| 80.200   | Bahasa Indonesia II |
| 80.220   | Indonesian Readings |
| 80.230   | Nusantara: Selected Topics I |
| 80.231   | Dutch Colonial History and Literature |
| 80.240   | Modern Javanese I † |
| 80.250   | Introduction to the Methodology of Indonesian Studies |

**Indonesian III**

<p>| 80.300   | Bahasa Indonesia III |
| 80.320   | Survey of Modern Indonesian Literature |
| 80.321   | Introduction to Classical Malay Literature * |
| 80.330   | Nusantara: Selected Topics II * |</p>
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<td>80.200</td>
<td>97.123</td>
<td>Senate may waive restrictions for students who have done only one of 80.104, 80.105, 97.121, 97.122</td>
<td>By special permission of the Head of Department, prerequisites and corequisites may be waived As for 80.200</td>
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**ITALIAN**

**Italian I**

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**Italian III**

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**KOREAN**

Korean I
- 449.100 Korean for Beginners A
- 449.101 Korean for Beginners B
- 449.102 Buddhism, Confucianism and Shamanism in Korean Culture
- 449.103 Korean Study Abroad

Korean II
- 449.200 Intermediate Korean A 449.100, 449.101
- 449.201 Intermediate Korean B 449.100, 449.101
- 449.202 Translation from and into Modern Korean 449.100, 449.101
- 449.203 Korean Study Abroad 449.200, 449.201

Korean III
- 449.300 Advanced Korean A 449.200, 449.201
- 449.301 Advanced Korean B 449.200, 449.201
- 449.302 Translation from and into Modern Korean 449.200, 449.201
- 449.303 Traditional and Modern Korean Literature 449.200, 449.201

**LANGUAGE ACQUISITION (ENGLISH)**

- 590.100 Language Acquisition A †
- 590.101 Language Acquisition B †

**LATIN**

Latin I
- 09.100 Introduction to Latin Literature
- 09.102 Introduction to the Latin Language

Latin II
- 09.200 Prescribed Texts 09.100 or 09.103, 09.101 or 09.102 or equivalent qualifications
- 09.201 Latin Literature 09.200
- 09.202 Language 09.200

Latin III
- 09.300 Prescribed Texts 09.200, 09.201, 09.202
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This paper is only available to students of non-English speaking background As for 590.101

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09.102                                                                                                    09.103                                                                                                    09.201, 09.202

As for 09.100                                                                                             As for 09.200                                                                                             As for 09.200

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**LINGUISTICS**

**Linguistics I**
- 83.102 Introduction to Descriptive Linguistics
- 83.104 Language and Society
- 83.105 The Languages of the Pacific

**Linguistics II**
- 83.203 Phonetics and Phonology
- 83.204 Grammatical Analysis
- 83.206 Language Variation and Change

**Linguistics III**
- 83.300 Grammatical Theory
- 83.301 Special Topics in Linguistics
- 83.302 Special Topic in Comparative Linguistics
- 83.303 Polynesian Comparative Linguistics
- 83.307 New Zealand English
- 83.309 Field Methods
- 83.312 Semantics and Pragmatics
- 83.313 Conversational Analysis
- 83.314 Sociolinguistics

**MANAGEMENT STUDIES AND LABOUR RELATIONS**

**Management Studies & Labour Relations I**
- 72.101 Organisation & Management 1st half
- 72.204 Organisational Behaviour

**Management Studies & Labour Relations II**
- 72.207 Labour and Employment Relations 2nd half
- 72.204 Organisational Behaviour
- 72.208 Labour and Management on the Pacific Rim 1st half
- 72.211 Business in Society 2nd half

**Management Studies & Labour Relations III**
- 72.303 Comparative Labour Relations 2nd half
- 72.317 Women in Organisations 2nd half

For further details, please refer to the course descriptions and departmental guidelines.
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**MAORI STUDIES**

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|              |              |                | 04.107, T04.107 |
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| 04.205 or T04.205 | 04.212, 04.213, T04.204 | 04.212, 04.213, T04.204 | 04.212, 04.213, T04.204 |

This paper is intended for students with a good command of Maori Language. As for 04.109
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<td>Head of Department may waive the corequisites for Stage III papers for students who are not taking Maori Studies papers as fulfillment of BA Degree Regulation 4(a)</td>
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</table>
### Mathematics Applied

A detailed schedule of the papers available in this subject can be seen by reference to the Schedule to the BSc Regulations. The following rules must be read in conjunction with the Schedule:

- Six credits in Applied Mathematics at Stage I (BSc) are equivalent to one Stage I paper in Mathematics (BA).
- Four credits in Applied Mathematics at Stage II (BSc) are equivalent to one Stage II paper in Mathematics (BA).
- Four credits in Applied Mathematics at Stage III (BSc) are equivalent to one Stage III paper in Mathematics (BA).

### Music

**Music I**
- 28.100 Harmony and Counterpoint

**Music II**
- 28.201 Musicianship, Materials and Analysis
- 28.202 Harmony and Counterpoint
- 28.203 The Middle Ages and Early Renaissance
- 28.204 The Late Renaissance and Baroque Era
- 28.207 The Classic-Romantic Era
- 28.208 The Twentieth Century
<table>
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<tr>
<th>Corequisites</th>
<th>Restrictions</th>
<th>Qualifications</th>
<th>Notes</th>
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**MATHEMATICS PURE**

A detailed Schedule of the papers available in this subject can be seen by reference to the Schedule to the BSc Regulations.

The following rules must be read in conjunction with the Schedule:

- Six credits in Pure Mathematics at Stage I (BSc) are equivalent to one Stage I paper in Mathematics (BA).
- Four credits in Pure Mathematics at Stage II (BSc) are equivalent to one Stage II paper in Mathematics (BA).
- Four credits in Pure Mathematics at Stage III (BSc) are equivalent to one Stage III paper in Mathematics (BA).

- The number enrolling in certain papers is restricted.
- Candidates should consult Calendar Degree course Prescriptions for Department of Music.

<table>
<thead>
<tr>
<th>28.101, 28.103</th>
<th>28.122</th>
<th>A candidate must pass papers 28.100, 28.101 and 28.103 with an overall grade of at least C+ before proceeding to Music II</th>
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<td>E28.105 is limited to BEd candidates and is taught at the Auckland College of Education.</td>
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<tr>
<td>28.214</td>
<td>The Music of Africa</td>
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<td>28.217</td>
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**Music III**

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<th>Prerequisites</th>
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<tr>
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<td>28.201, 28.202; one of 28.203-208</td>
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<td>Harmony and Counterpoint</td>
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<td>28.303</td>
<td>The Middle Ages and Early Renaissance</td>
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<td>28.304</td>
<td>The Late Renaissance and Baroque Era</td>
<td>*</td>
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<td>28.308</td>
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<td>The Music of Oceania</td>
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<td>28.214 or 03.209</td>
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**PACIFIC STUDIES**

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<td>79.100</td>
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<td>28.107 or 03.107 or 03.103 or 28.114</td>
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<tr>
<td>79.101</td>
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<tr>
<td>79.102</td>
<td>Indigenous Knowledge and Western</td>
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**PHILOSOPHY**

**Philosophy I**

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<th>Part of Year</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>29.100</td>
<td>Introduction to Metaphysics and Theory of Knowledge</td>
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<td>Any two Philosophy I papers</td>
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<td>29.101</td>
<td>Introduction to Logic</td>
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<td>29.101 or T29.151, and one other Philosophy I paper</td>
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<td>29.104</td>
<td>Introduction to Ethics</td>
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<tr>
<td>T29.150</td>
<td>An Introduction to Central Issues in Philosophy</td>
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<td>Either any two Philosophy I papers or two Political Studies I papers including either 30.102 or 30.109</td>
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<tr>
<td>T29.151</td>
<td>Reason and Rationality: An Introduction to Logic</td>
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<td>2nd half</td>
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<tr>
<td>T29.152</td>
<td>Philosophy and Theories of Human Nature</td>
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**Philosophy II**

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<td>29.200</td>
<td>Philosophy of Mind</td>
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<td>29.201</td>
<td>Logic II</td>
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<td>29.202</td>
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**Transitional:** A candidate whose course was begun under the Regulations set forth in the 1986 Calendar and who has passed 28.101, 28.102 and 28.103 with an overall grade of C+ or better shall complete the course under those Regulations but, where required by Senate, with such substitute papers as it may determine.
<table>
<thead>
<tr>
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<th>Prerequisites</th>
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<td>29.205</td>
<td>Community, Society and Rights</td>
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<td>As for 29.203</td>
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<td>29.206</td>
<td>History of Philosophy II</td>
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<td>29.207</td>
<td>Philosophy of Religion</td>
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<td>As for 29.205</td>
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<tr>
<td>29.208</td>
<td>Metaphysics and Theory of Knowledge II</td>
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<td>As for 29.200</td>
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<tr>
<td>29.209</td>
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<td>Either any two Philosophy I papers or one Philosophy I paper and either 30.102 or 30.109 As for 29.200</td>
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<td>29.210</td>
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<tr>
<td>29.211</td>
<td>History of Philosophy II</td>
<td>*</td>
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<tr>
<td>29.212</td>
<td>Philosophy of the Arts</td>
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<td>Either any two Philosophy I papers or a minimum of any six papers passed in any one of the Faculties of Arts, Fine Arts, Music and Architecture Property and Planning. As for 29.200</td>
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<td>29.213</td>
<td>Philosophical Issues in Feminism</td>
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<td>Either concurrent enrolment in the Diploma in Professional Ethics or at least any six papers in Arts providing there is at least one paper from either Philosophy, Women’s Studies or Political Studies. As for 29.200</td>
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<td>29.215</td>
<td>Special Topic: 20th Century French Philosophy</td>
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<td>T29.250</td>
<td>Life,Death and the Environment: Issues in Applied Ethics</td>
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<td>Ethics and Political Philosophy</td>
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<td>Either two Philosophy II papers including 29.205 or 29.210 or else 29.102 or 29.104 plus any two Philosophy II papers 29.201 and any one other Philosophy II paper 29.101 and any two Philosophy II papers As for 29.300</td>
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<td>Topics in Recent Philosophy</td>
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By special permission of Head of Department, prerequisites for Stage III papers may be waived. As for 29.300, As for 29.300.
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**PHYSICS**

Physics I
- 31.101 The Physical Universe
- 31.102 The World of Physics

**POLITICAL STUDIES**

Political Studies I
- 30.106 Foreign and Defence Policies World Survey | 1st half |
- 30.107 Introduction to New Zealand Politics | 2nd half |
- 30.109 Major Political Thinkers in the Western Tradition |
- 30.110 Introduction to Comparative Politics | 1st half |
- T30.111 Introduction to International Relations | 2nd half |
- T30.112 Introductory Comparative Politics | 1st half |

Political Studies II
- 30.201 British Politics | * |
- 30.204 New Zealand Foreign Policy | 2nd half | As for 30.201 |
- 30.209 Modern Political Ideologies | 1st half | As for 30.201 |
- 30.211 Public Administration: Central and Local | 1st half | As for 30.201 |
- 30.213 Women and Politics | 2nd half | Any two papers from Political Studies I and/or Women's Studies I or As for 30.201 |
- 30.214 Democracy in Theory and Practice | 2nd half | Any two papers from Political Studies I and/or Women's Studies I or As for 30.201 |
- 30.215 Russian and Post-Soviet Politics | 1st half | As for 30.201 |
- 30.217 South Pacific Foreign Affairs | * | As for 30.201 and/or Pacific Studies |
- 30.218 US Politics | 2nd half | As for 30.201 |
- T30.219 Comparative Politics: China and Japan | 1st half | As for 30.201 |
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**RUSSIAN**

**Russian I**

| 43.100   | Russian Language Acquisition 1                     |              |              |                                           |
| 43.101   | Russian Language Acquisition 2                     |              |              |                                           |
| 43.111   | Introduction to a Slavonic Language                |              |              |                                           |
| 43.112   | Russian Civilization                               |              |              |                                           |
| 43.113   | The Classics of Russian Literature                 |              |              |                                           |

**Russian II**

| 43.210   | Language Acquisition: Russian                      |              |              | 43.100, 43.101                           |
| 43.211   | (i) Introduction to Modern Russian and (ii) The Russian Lyric in the Nineteenth Century |              |              | 43.100, 43.101                           |
| 43.212   | The Russian Short Story in the Nineteenth Century  |              |              | 43.100, 43.101                           |

**Russian III**

| 43.310   | Language Acquisition: Russian                      |              |              | 43.210, 43.211, 43.212                    |
| 43.311   | Introduction to Russian and Slavonic Linguistics   |              |              | 43.210, 43.211, 43.212                    |
| 43.312   | The Russian Novel in the Nineteenth Century        |              |              | 43.210, 43.211, 43.212                    |
| 43.313   | Introduction to Russian Literature of the Twentieth Century |              |              | 43.210, 43.211, 43.212                    |

**SAMOAN**

**Samoan I**

| 478.100  | Samoan Language for Beginners                      |              | 1st half     |                                           |

<p>| 478.101  | Samoan for Intermediate Learners                  |              | 2nd half     |                                           |</p>
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478.100 may not be taken concurrently with 478.101. Students who have passed 478.100 may subsequently enrol in 478.101 478.100

- Linked corequisite papers must be attempted in the same year and will not be credited separately.
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**SCANDINAVIAN STUDIES**

### Scandinavian Studies I
- 46.100 Language Acquisition 1
- 46.101 Aspects of Scandinavian Civilisation
- 46.102 Language Acquisition 2

### Scandinavian Studies II
- 46.200 Language Acquisition
- 46.203 Modern Swedish Novels and Short Stories
- 46.204 Swedish Poetry
- 46.205 Swedish Film
- 46.206 Introduction to Scandinavian Drama

### Scandinavian Studies III
- 46.300 Language Acquisition
- 46.303 Modern Scandinavian Novels and Short Stories
- 46.304 Scandinavian Poetry
- 46.305 Scandinavian Film
- 46.306 Scandinavian Drama

**SOCIOLGY**

### Sociology I
- 82.100 Issues and Themes in Sociology
- 82.101 New Zealand Society: Structure and Change
- 82.102 Sociology and the Origins of the Modern World
- 82.103 Debates in Social Policy
- 82.104 An Introduction to Sociological Analysis: Gender, Ethnicity and Class in New Zealand
- T82.110 Changing Societies: Ideas about Social Change
- T82.111 Work in Society

### Sociology II
- 82.200 Social Theory and Modern Society
- 82.201 Social Research Methods: an Informal Introduction

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**Sociology III**

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<td>Consuming Interests: The Sociology of Food</td>
<td>†</td>
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<td>As for 82.300</td>
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<tr>
<td>82.324</td>
<td>Special Topic</td>
<td>†</td>
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<td>Restrictions</td>
<td>Qualifications</td>
<td>Notes</td>
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<td>Enrolment requires approval of the Head of Department</td>
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<tr>
<td>82.421</td>
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<td></td>
<td>Students including three Stage III Sociology papers in their degree are strongly advised to attempt 82.320 or 82.321. A pass in one of these papers or a pass in 82.312 before 1993, is a prerequisite for entry to MA study in sociology.</td>
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<td>Paper No</td>
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<td>Part of Year</td>
<td>Prerequisites</td>
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<td>45.101</td>
<td>20th Century Literary Texts</td>
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<tr>
<td>45.102</td>
<td>Language: Oral, Aural and Translation from Spanish to English</td>
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<tr>
<td>45.103</td>
<td>Contemporary Hispanic Civilisation</td>
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<td>45.104</td>
<td>Language Acquisition</td>
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| T45.104 | Language Acquisition |            |              |               |
| 45.105  | Language Acquisition |            |              |               |
| T45.105 | Language Acquisition |            |              |               |
| 45.107  | Language Acquisition (Advanced) |            |              |               |
| 45.108  | Language Acquisition (Advanced) |            |              |               |

| Spanish II | Language Acquisition | 45.100 or 45.104 and 45.105 or T45.104 and T45.105 |
|           | Language Acquisition | As for 45.200 |
| 45.200   | Language Acquisition | 45.100 and 45.101 or 45.103; or 45.104/45.105 or T45.104 and T45.105 or 45.107/45.108 |
| T45.200  | Language Acquisition | As for 45.201 |
| 45.201   | Golden Age Literary Texts | *            |              |               |
| 45.202   | 19th and 20th Century Literary Texts |            |              |               |
| 45.203   | Literary Analysis with Prescribed Texts |            |              |               |
| 45.204   | 20th Century Latin American Texts |            |              |               |
| 45.206   | Spanish Study Abroad Programme |            |              |               |
| 45.207   | Modern Hispanic Literature | *            |              |               |
| 45.208   | Language Acquisition (Advanced) |            |              |               |
| 45.209   | "Practising Critics" in the Hispanic World | *            |              |               |

As for 45.201
### Corequisites

<table>
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<tr>
<th>Corequisites</th>
<th>Restrictions</th>
<th>Qualifications</th>
<th>Notes</th>
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<td>T45.104, T45.105,</td>
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<td>T45.105, 45.107,</td>
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See note, 45.105

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<td>45.100, 45.102</td>
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<td>45.107, 45.108,</td>
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<td>45.100, 45.102</td>
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<tr>
<td>See note to 45.104</td>
<td>45.208, T45.209</td>
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As for 45.200

<table>
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<tbody>
<tr>
<td>45.200, 45.208</td>
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</table>

As for 45.200

### Notes

Whilst some students may opt to take only language papers in Spanish, they should note that students doing a full BA course in Spanish are required to take a minimum of 8 Spanish papers: 45.104 and 45.105, or T45.104 and T45.105, or 45.107 and 45.108, in Stage I; 45.200 or T45.200 or 45.208 and two other Spanish II papers in Stage II; and 45.300 or 45.308 with two other Stage III papers, in Stage III. These requirements for a Spanish major cannot be waived except in exceptional circumstances and by special permission of the Head of Department.

Enrolment in this paper by special permission of Head of Department.

Enrolment in this paper by special permission of Head of Department.

By special permission of Head of Department a student having obtained an exceptionally high grade in 45.104/45.105 may enrol in 45.208 instead of 45.200.
Faculty of Arts

<table>
<thead>
<tr>
<th>Paper No</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Part of Year</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>T45.209</td>
<td>&quot;Practising Critics&quot; in the Hispanic World</td>
<td>*</td>
<td></td>
<td>As for 45.201</td>
</tr>
<tr>
<td>45.210</td>
<td>Introduction to Spanish Literature and its Context</td>
<td>*</td>
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<td>As for 45.201</td>
</tr>
<tr>
<td>T45.211</td>
<td>Inventing Latin America Through Literature (i)</td>
<td>*</td>
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<td>As for 45.201</td>
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<tr>
<td>T45.212</td>
<td>Inventing Latin America Through Literature (ii)</td>
<td>*</td>
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<td>Any six Stage I Art papers from Group A in the Calendar</td>
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**Spanish III**

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<tbody>
<tr>
<td>45.300</td>
<td>Language Acquisition</td>
<td></td>
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<td>45.200 or T45.200</td>
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<tr>
<td>45.301</td>
<td>Medieval Literary Texts</td>
<td></td>
<td></td>
<td>45.200 or T45.200 or 45.208 and two other Spanish II papers As for 45.301</td>
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<tr>
<td>45.302</td>
<td>Golden Age Literary Texts</td>
<td></td>
<td></td>
<td>As for 45.301</td>
</tr>
<tr>
<td>45.303</td>
<td>19th Century Literary Texts</td>
<td></td>
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<td>As for 45.301</td>
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<tr>
<td>45.304</td>
<td>20th Century Literary Texts</td>
<td></td>
<td></td>
<td>As for 45.301</td>
</tr>
<tr>
<td>45.305</td>
<td>20th Century Latin American Literary Texts</td>
<td></td>
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<td>As for 45.301</td>
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<tr>
<td>45.306</td>
<td>Spanish Study Abroad Programme</td>
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<td>As for 45.301</td>
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<tr>
<td>45.307</td>
<td>Modern Hispanic Literature</td>
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<td>As for 45.301</td>
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<tr>
<td>45.308</td>
<td>Language Acquisition (Advanced)</td>
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<td>45.208</td>
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<tr>
<td>45.309</td>
<td>Introduction to Professional Translation</td>
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<td>45.208</td>
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<tr>
<td>45.310</td>
<td>Feminist Perspectives on Hispanic Literature</td>
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<td>As for 45.301</td>
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**STATISTICS**

A detailed schedule of the papers available in this subject can be seen by reference to the Schedule to the BSc Regulations.

The following rules must be read in conjunction with the Schedule:
Six credits in Statistics at Stage I (BSc) are equivalent to one Stage I paper in Statistics (BA)
Four credits in Statistics at Stage II (BSc) are equivalent to one Stage II paper in Statistics (BA)
Four credits in Statistics at Stage III (BSc) are equivalent to one Stage III paper in Statistics (BA)

**THEATRE STUDIES**

486.201 Theatre Studies 4 BA papers including at least one with a literary content

**WOMEN'S STUDIES**

Women's Studies I

<table>
<thead>
<tr>
<th>Paper No</th>
<th>Title of Paper</th>
<th>Availability</th>
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<th>Prerequisites</th>
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<tbody>
<tr>
<td>488.100</td>
<td>Women, Gender and Society</td>
<td></td>
<td>1st half</td>
<td>488.100 and 488.101 or CCE Certificate in Women's Studies</td>
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<tr>
<td>488.101</td>
<td>Representing Women: Images and Words</td>
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Women's Studies II

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<th>Prerequisites</th>
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<tbody>
<tr>
<td>488.200</td>
<td>Feminist Theories</td>
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<td>1st half</td>
<td>488.100 and 488.101 or CCE Certificate in Women's Studies</td>
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<tr>
<td>488.201</td>
<td>Special Topic</td>
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<td>2nd half</td>
<td>As for 488.200</td>
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<tr>
<td>488.202</td>
<td>Special Topic</td>
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<td>Corequisites</td>
<td>Restrictions</td>
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<td>Notes</td>
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<tr>
<td>As for 45.201</td>
<td>45.209</td>
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<td>As for 45.201</td>
<td>T45.212</td>
<td>This paper does not qualify as a corequisite for Stage II Spanish, or as a prerequisite for Stage III Spanish.</td>
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<td>As for 45.301</td>
<td>45.206</td>
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<td>See note to 45.104</td>
<td>45.300</td>
<td>By special permission of Head of Department a student having obtained an exceptionally high grade in 45.200 or T45.200 may enrol in 45.308 instead of 45.300. As for 45.300.</td>
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<tr>
<td>45.308</td>
<td></td>
<td>Enrolment by permission of Head of Department By special permission of Head of Department. 45.300 may be a corequisite, or 45.200 or T45.200 a prerequisite. As for 45.300.</td>
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<td>By special permission of the Head of Department prerequisites may be waived As for 488.200</td>
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### Women's Studies III

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<th>Part of Year</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>488.300</td>
<td>Feminist Research and Scholarship</td>
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<td>2nd half</td>
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<tr>
<td>488.301</td>
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<tr>
<td>488.302</td>
<td>Special Topic</td>
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<td>1st half</td>
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### SCHEDULE - GROUP B

**Accounting and Finance**
- 01.104 Financial and Management Accounting
- T01.104 Financial and Management Accounting

**Planning**
- 113.240 (Environmental Studies)
- Aviation Science

**Biological Science**
- Chemistry
- Computer Science

**Environmental Science**
- Geology
- Physics
- Physiology
- Hebrew Bible Papers from Groups C and D of the BTheol Schedule
- New Testament Papers from Groups C and D of the BTheol Schedule
- Systematic Theology Papers from Groups C and D of the BTheol Schedule
- Church History Papers from Groups C and D of the BTheol Schedule

*Note: * Starred papers will not be taught during the current Calendar year. 

† Daggered papers will not be taught during the current Calendar year unless sufficient staff are available.

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### THE DEGREE OF MASTER OF ARTS MA

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

#### General Provisions

1. Subject to the Admission Regulations, a candidate for the Degree of Master of Arts shall before enrolment for this Degree:
   - (a) have been admitted or qualified for admission to the Degree of Bachelor of Arts, except as provided in Regulation 2 below, and
   - (b) (i) have fulfilled the prerequisites for a subject as listed in the Schedule to these Regulations and have obtained a grade higher than an average of C+ in the Stage III papers in that subject;
   - (ii) provided that in special circumstances where the Head of Department so recommends the Senate may accept an average grade of less than B- or waive such prerequisites as it thinks fit.

2. Subject to the Admission Regulations, a candidate may enrol for this Degree after having completed at least nineteen papers, including eleven papers at advanced level, for the Bachelor of Arts Degree, provided that:
   - (a) the course proposed for this Degree will extend over not fewer than two academic years;
   - (b) they have obtained grades averaging B- or above in the advanced papers for the Bachelor of Arts Degree of the subject which they propose to take for this Degree;
   - (c) they satisfy the conditions in Regulation 1 (b) above, or are exempted from them;
   - (d) the remaining paper or papers for the Bachelor of Arts Degree are not prerequisite to the course for this Degree;
   - (e) they enrol for these two papers in the first year of their course for this Degree;
   - (f) should they not pass the remaining paper or papers in the first year of their Master of Arts course, their Master’s course shall be suspended until they have passed the remaining paper or papers.

3. A candidate for this Degree shall follow a course of study that may extend over one year or more according to the requirements for the respective subjects in the schedule but, except with the special permission of the Senate, shall not exceed three years in duration.

4. A candidate presenting subject 20, Languages and Literature, shall satisfy the requirements of Regulation 1 (b) (i) in respect of each of the languages in his or her course. A candidate presenting subject 24, Mathematics, shall satisfy the requirements of Regulation 1 (b) (i) in respect of Pure Mathematics, Applied Mathematics and Statistics.
Corequisites | Restrictions | Qualifications | Notes
--- | --- | --- | ---
488.200 and one other Stage II Women’s Studies paper | By special permission of the Head of Department prerequisites may be waived | As for 488.300

01.102 or 01.103 or 01.100 or T01.100 or 01.101 or T01.101 64.200, 84.200, 36.262 | Note: Six credits in each subject at Stage I (BSc) are equivalent to one Stage I paper in that subject (BA). Four credits in each subject at Stage II (BSc) are equivalent to one Stage II paper in that subject (BA). Four credits in each subject at Stage III (BSc) are equivalent to one Stage III paper in that subject (BA) | See Note

Only those papers with an 07 prefix may be taken for and credited to the BA Degree | See Note

☐ Taught in even numbered years ☐ Taught in odd numbered years | 'T' prefix - taught at the Tamaki Campus 'N' prefix - taught at Northland Polytechnic

5. A candidate shall be required to fulfill the requirements and pass the examination in one of the subjects prescribed in the Schedule provided that the Head of Department may require a student who fails to achieve a sufficient level in his or her paper or papers to substitute a further paper or papers for a thesis, dissertation or research essay where these are prescribed.

6. A candidate for this Degree may not:
   (a) substitute a paper or papers for any paper in which the candidate has already been examined for this Degree;
   (b) resit any paper for this Degree except as provided in Regulation 13.

7. Notwithstanding anything in Regulation 5, a candidate for this Degree in any subject listed in the appended Schedule other than the subject 20, Languages and Literature, may with the permission of the Senate take:
   (i) one Stage III or Master’s paper or;
   (ii) one Stage III and one Master’s paper or;
   (iii) two Master’s papers, in a subject other than the one being taken for this Degree, or;
   (iv) two Master’s papers or one Master’s and one Stage III paper in subjects that both differ from the one being taken for this Degree, if in each case such a paper is related to the candidate’s research interests. Each such paper shall substitute for and be equivalent to one paper in the Master’s course of the subject in which the Degree is being taken.

8. No candidate shall take for this Degree any paper the same as or substantially equivalent to any other paper he or she has passed or is taking and obtain credit for both for this Degree.

9. No candidate who has previously failed in a subject for this Degree shall enrol a second time in the same subject without the permission of the Senate. For the purpose of this Regulation, subject 20, Languages and Literature and anyone of the individual subjects which under Clause 20 of the appended Schedule may be used to make up a combined Languages and Literature course, shall be regarded as the same subject.

10. The personal course of study of every candidate must be approved by the Head of Department.

Thesis

11. Where a thesis is required the following conditions shall apply:
   (a) The thesis shall embody the results obtained by the candidate in an investigation relating to some branch of the subject; or with the approval of the Senate shall consist of a review of the literature of some special problem, which may be combined with the reception of some standard investigation on an aspect of that problem.
   (b) In the case of a thesis recording laboratory work, a certificate shall be supplied to the Registrar by the supervisor stating that laboratory work has been carried out within the University.
Honours

13. (a) There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded

Requirements:

Six papers and a research essay which counts as one paper, OR four papers and a thesis which counts as three papers.

History if a student has passed three Stage III papers in Latin or Greek. Two papers in a relevant language, either 12.210, 12.310 or 12.211,

Prerequisites:

Eight papers in the subject of Ancient History including three Stage III papers in Ancient History OR six papers in Ancient History if a student has passed three Stage III papers in Latin or Greek. Two papers in a relevant language, either 12.210, 12.310 or 12.211, 12.311 or 10.100, 10.102 or 09.100, 09.102.

Requirements: Six papers and a research essay which counts as one paper. OR four papers and a thesis which counts as three papers. Normally a candidate will present three papers and one paper of documents in the ancient language associated with one of those papers in the first year, and either a further paper with a paper of associated documents and an associated research essay (12.603), or a three paper thesis (12.601) in the following year. First year papers will be selected from 12.400 to 12.460. One or two papers not taken at Stage III may be substituted for first year papers, but will not have associated papers of documents in the ancient language.

A candidate in full time employment or with other demanding responsibilities may be permitted by the Head of Department to present three papers in the first year, or in special circumstances, two papers in the first year.

(3) Art History

Prerequisites: Eight papers in Art History including three Stage III papers.

Requirements: Seven papers or four papers and a thesis (19.601) which counts as three papers. The papers shall be selected from papers 19.400 to 19.415; except that among the first four papers presented for the Degree one paper may be taken from options presented for Art History III, and that a second paper prescribed for Art History III may be presented by students presenting three further papers instead of a thesis; but no paper that has been credited to the Degree of Bachelor of Arts shall be taken for this Degree. All candidates shall present four papers in the first year; except that a candidate in full-time employment or with other demanding responsibilities may be permitted by the Head of Department to present two papers in each of two years. Candidates presenting papers only shall present the remaining three papers in one year.

(4) Asian Studies

Prerequisites: Three Stage III papers in an Asian Language; and such Stage II or III papers in the other subjects as the respective Heads of Departments shall approve.

Requirements: Five papers and a thesis (97.601) which counts as two papers; or six papers and a research essay (97.603) which counts as one paper. In either case candidates shall include three papers selected from those available at Masters level in Chinese, Indonesian or Japanese subject to the approval of the Head of Department. The remaining two or three papers shall, subject to the approval of the Heads of Departments, be selected from the Masters papers in one or two different subjects. At the discretion of the Heads of Departments one
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Stage III paper may be substituted for one of these Masters papers. In the thesis or research essay, sources in the Asian language being studied will be used.

(5) Chinese

Requirements: Eight papers in the subject of Chinese including 48.300, 48.301 and 48.302 or 487.303 and 48.304.

Requirements: Four papers including 48.419 and a thesis (48.601) which counts as three papers; or six papers including 48.419 and a dissertation (48.604) which counts as one paper. A candidate shall normally complete the degree in two years and present four papers in the first year, although a candidate who is engaged in full-time employment, or with other demanding responsibilities, may be permitted by the Head of Department to present two papers in each year of the two years and the remaining papers in a third year. The dissertation or the thesis must be presented by 1 November in the final year of the course provided that this period may be extended to 28 February of the following year with the permission of the Head of Department and provided further that the time may be extended by the Senate in special cases.

(6) Comparative Literature

Whilst it is not possible to take an MA in Comparative Literature, MA papers from the subject Comparative Literature may, with the permission of the relevant Head(s) of Department, be taken as part of an MA in another subject.

(7) Development Studies

Requirements: Eight papers, including three at Stage III level, in any one of Anthropology (Social), Economics, Education, Geography, History, Maori Studies, Political Studies, Sociology or in exceptional cases such other subject approved by the Co-ordinating Committee on behalf of the Senate. Before being admitted to this course of study candidates will need to satisfy the Co-ordinating Committee on behalf of the Senate that they have sufficient experience in the appropriate area.

Requirements: Either (a) four papers and a thesis (487.601) which shall count as three papers; or (b) with the special permission of the Co-ordinating Committee, six papers and a research essay (487.603).

In respect of (a) and (b), paper 487.400 must be included and the remaining papers shall be selected from Master's papers listed in this Schedule from not more than two departments. Candidates must complete a coherent course of study approved by the Co-ordinating Committee on behalf of the Senate.

(8) Economics

Requirements: Eight papers in the subject of Economics including one Stage II paper, 13.205 and three Stage III papers, one of which must be 13.300 or 13.301.

Requirements: Seven papers; or four papers and a thesis (13.611) which shall count as three papers; or six papers and a research essay (13.603) which shall count as one paper. The papers shall be selected from 13.400 to 13.423.

(9) Education

Requirements: Eight papers in the subject Education including three Stage III papers.

Requirements: (i) Four papers and a thesis (14.601) which counts as three papers. The papers shall be selected from 14.400 to 14.441, or 04.401, 04.402.

or (ii) Six papers and a dissertation (14.604) which counts as one paper.

In exceptional circumstances the Head of Department may permit a candidate who has attempted a thesis or a dissertation to complete the MA as (iii) Seven papers.

A candidate may, with the consent of the Head of Department, be permitted to present three papers or two papers in the first year and remaining papers in the year next following.

Note: (i) In considering applications to attempt two or three papers only in the first year, the Head of Department may take into account the extent of a student's employment or other responsibilities outside the University.

(ii) Students wishing to complete the Master of Arts Degree as entry to the Diploma in Educational Psychology must complete paper 14.461 and may complete other papers from the Master of Education schedule in consultation and with approval of the Head of Department, Education.

(10) English

Requirements: Eight papers in English including three papers at Stage III chosen in accordance with the corequisites.

Requirements: Seven papers; or five papers and a thesis (18.601) which counts as two papers; or six papers and a dissertation (18.604) which counts as one paper. Students presenting seven papers in the same year must include 18.413 if they are not presenting a dissertation.

A candidate presenting:

(a) Seven papers or

(b) Six papers and a dissertation shall normally present all papers or all papers and the dissertation in the same year or, having presented four papers in the first year, present the remaining three papers or two papers and dissertation in the year next following. Where the student is engaged in full-time employment or, for good cause, unable to undertake a full-time course, the Head of Department may approve a different sequence of papers over a period of time which accords with MA General Provisions Regulation 3. The papers shall be selected from 18.400 to 18.451 and from (but shall include not more than one of) the Stage III English papers for the Degree of Bachelor of Arts.

(11) French

Requirements: Eight papers in the subject of French including three Stage III papers.

Requirements: Four papers including 34.400, and a thesis (34.601) which counts as three papers; or six papers including 34.400, and a research essay (34.603) which counts as one paper.

A candidate shall present, in the first year: four papers including 34.400; in the second year either (i) the thesis, or (ii) two papers and the research essay. In exceptional circumstances, the Head of Department may approve a course of study which occupies a period other than two years and/or which varies the above sequence of papers.

Paper 34.400: students must obtain a minimum pass of 50% in this paper before the degree can be awarded.

Paper 34.417 is not available to students who have passed paper 34.310.

Paper 34.425 is not available to students who have passed paper 34.214.

Paper 34.426 is not available to students who have passed paper 34.310.

Paper 34.426 is not available to students who have passed paper 34.309.

(12) Geography

Requirements: Eight papers in the subject of Geography including three Stage III papers.

Requirements: Four papers and a thesis (20.601) which counts as three papers. A candidate shall present four papers in the first year, and the thesis in the following year. A candidate in full-time employment or with other demanding responsibilities may, with the consent of the Head of Department, be permitted to present the papers in two consecutive years with at least two papers in the first year, the thesis then being submitted in the third year.

Papers shall be selected from 20.400 to 20.447.
(13) German
**Prerequisites:** Eight papers in the subject German including three Stage III papers.

**Requirements:** Four papers and a thesis (22.611) which counts as three papers; or six papers and a research essay (22.603) which counts as one paper. A candidate shall present four papers in the first year and either the thesis or two papers and a research essay in the year next following. In exceptional circumstances, the Head Of Department may approve a course of study which occupies a period other than two years and/or which varies the above sequence of papers.

(14) Greek
**Prerequisites:** Eight papers in the subject Greek including three Stage III papers.

**Requirements:** Six papers and a research essay (10.603) which counts as one paper. Papers are to be selected from 10.400 to 10.409 and must include 10.400 and one of 10.401 or 10.404. Normally a candidate will present four papers in the first year, and two papers and a research essay (counting as one paper) in the second. A candidate in full-time employment or with other demanding responsibilities may be permitted by the Head of Department to spread the papers over three years, normally three papers in the first two years and the research essay in the third.

(15) History
**Prerequisites:** Eight papers in the subjects History or Asian History or both including three Stage III papers.

**Requirements:** Either (a) six papers, and a dissertation (24.604) counting as one paper; or (b) (with the permission of the Head of Department) four papers and a thesis (24.611) counting as three papers.

In respect both of (a) and (b), papers are to be selected from 24.400 to 24.427, and must include 24.410. With the permission of Head of Department, however, a student following the (a) option may include as one of the six papers required a special study (24.430), involving a research programme prepared in consultation with one or more staff members. In exceptional cases, a second special study (24.431) may be included.

In respect both of (a) and (b) students must attempt four papers (excluding 24.430 and 431 but including 24.410) in the first year. Those following the (a) option must complete their remaining work in their second year. However, a student in full-time employment or with other demanding responsibilities may be permitted by the Head of Department to pursue the (a) option by attempting fewer papers in the first year and spreading the remaining work over the one or at most two years following.

(16) Indonesian
**Prerequisites:** Eight papers in the subject Indonesian including 80.250 and three papers at Stage III.

**Requirements:** Five papers and a thesis (80.601) which counts as two papers. A candidate shall normally complete the degree in two years and present four papers in the first year, although a candidate who is engaged in full-time employment, or with other demanding responsibilities, may be permitted by the Head of Department to present two papers in each of two years and the remaining papers in a third year. The dissertation or thesis must be presented by 1 November in the final year of the course provided that this period may be extended to 28 February of the following year with permission of the Head of Department and provided further that the time may be extended by the Senate in special cases.

(17) Italian
**Prerequisites:** Eight papers in the subject Italian including three Stage III papers.

**Requirements:** Four papers including 35.400 and a thesis (35.601) which counts as three papers; or six papers including 35.400 and a research essay (35.603) which counts as one paper, or five papers including 35.400 and a dissertation (35.604) which counts as two papers. A candidate shall present, in the first year: four papers including 35.400; in the second year either (i) the thesis, or (ii) two papers and the research essay, or (iii) one paper and the dissertation. In exceptional circumstances, the Head of Department may approve a course of study which occupies a period other than two years and/or which varies the above sequence of papers.

Paper 35.400: students must obtain a minimum pass of 50% in this paper before the degree can be awarded.

(18) Japanese
**Prerequisites:** Eight papers in the subject Japanese including 81.302 and two other Stage III papers in Japanese.

**Requirements:** Four papers including 81.401 and a thesis (81.601) which counts as three papers; or six papers including 81.401 and a research essay (81.603) which counts as one paper. A candidate shall normally complete the degree in two years and present four papers in the first year, although a candidate who is engaged in full-time employment, or with other demanding responsibilities, may be permitted by the Head of Department to present two papers in each of two years and the remaining papers in a third year. The thesis or research essay must be presented by 1 November in the final year of the course. For the thesis, however, this date may be extended to 28 February of the following year with permission of the Head of Department, and may be further extended by the Senate in special cases.

(19) Languages and Literature
**Prerequisites:** For the specific prerequisites for the individual courses a candidate is referred to the individual subjects making up a combined Languages and Literature course.

**Requirements:** Seven papers or their equivalents (see below) in any two of the subjects (i) to (xii); three papers to be taken from each language chosen and the seventh paper to be taken from either language chosen to be approved by the Head of the Department concerned. Students may, with the permission of the Heads of both Departments, take a paper in Comparative Literature as their seventh paper, and/or undertake a research essay in Comparative Literature.

(i) English
- Three or four papers from 18.400 to 18.451.
- Paper 10.400, and two or three from 10.401 to 10.409.
- Paper 09.400 and two or three from 09.401 to 09.409.
- French
- Paper 34.400 and two or three from 34.603 and 34.401 to 34.429.
- German
- Paper 22.400 and two or three from 22.401 to 22.440.
- Italian
- Paper 35.400 and two or three from 35.402 to 35.427.
- Russian
- Paper 43.410 and two or three from 43.411 to 43.425
- Spanish
- Paper 45.400 and two or three from 45.401 to 45.428 and 45.603.
- Chinese
- Three or four papers from 48.400 to 48.424.
- (x) Indonesian
- Three or four papers from 80.400 to 80.499.
- (xi) Japanese
- Three or four papers from 81.400 to 81.414.
- (xii) Maori Studies
- Three or four papers including 04.400 and 04.401.
A candidate presenting seven papers shall either present all papers in the first year or, having presented four papers in the first year, present three papers in the year next following. Candidates taking the degree over two years may with the approval of the Head (s) of Department concerned substitute in their second year either a dissertation or research essay for one paper or a thesis for two or three papers.

(20) Latin
**Prerequisites:** Eight papers in the subject Latin including three Stage III papers, together with Greek 10.100, 10.102 or approved alternatives.

**Requirements:** Six papers and a research essay (09.603) which counts as one paper. Papers are to be selected from 09.400 to 09.409 and must include 09.400 and one of 09.401 and 09.404. Normally a candidate will present four papers in the first year, and two papers and a research essay (counting as one paper) in the second. Candidates may with the approval of the Head of Department substitute a three paper thesis (09.601) for the research essay (09.603) and the two final papers of their MA. A candidate in full-time employment or with other demanding responsibilities may be permitted by the Head of Department to spread the papers over three years, normally three papers in the first two years and the research essay in the third.

(21) Linguistics
**Prerequisites:** Eight papers in the subject Linguistics including three papers at Stage III level.

**Requirements:** Four papers and a thesis (83.601) which shall count as three papers; or six papers and a dissertation (83.604) which shall count as one paper. The papers shall be selected from papers 83.400 to 83.407, except that not more than two papers may be selected from 83.300 to 83.314.

A candidate shall present four papers in the first year. A candidate who is engaged in full-time employment, or with other demanding responsibilities, may be permitted by the Head of Department to present two papers in the first year and two papers in the following year.

(22) Maori Studies
**Prerequisites:** Eight papers in the subject Maori Studies including three papers at Stage III level, two of which must be Maori Language papers 04.306 and 04.307.

**Requirements:** Four papers and a thesis (04.601) which shall count as three papers. The papers shall be selected from papers 04.400 to 04.409 and 04.302 to 04.321 with not more than two papers being selected from 04.302 to 04.321.

A candidate shall present four papers in the first year. A candidate who is engaged in full-time employment, or with other demanding responsibilities, may be permitted by the Head of Department to present two papers in the first year and two papers in the following year.

(23) Mathematics
**Prerequisites:** Mathematics 26.252 or equivalent papers approved by the Head of Department, at least three (or, in exceptional cases, two) of 26.225, 26.260, 528.280, 528.281, 528.293, or 26.280, 26.281, 26.282, 26.283, 26.284, 26.285 plus sixteen 300 or 400 level credits approved by the Head of the Department of Mathematics including at least 12 credits in Pure or Applied Mathematics.

**Requirements:** Papers totalling 20 credits and a thesis (26.601) which will count as 20 credits or papers totalling 20 credits and an Advanced Course of Study (26.605) which will count as 20 credits.

The selection of papers is to be made, with the approval of the Head of the Department of Mathematics from the papers Mathematics 26.400 to 26.499 and, with the approval of the Head of the Statistics Department, Statistics 528.400 to 528.499. Up to eight of these credits may be replaced by eight Stage III credits taken from papers in Mathematics and Statistics not taken for any other degree or diploma.

(24) Music
**Prerequisites:** Eight papers in the subject Music including 28.301 at least one of 28.303 to 28.308, at least one of 28.314 and 28.323; where necessary a candidate will be required to satisfy the Head of the Department of his or her proficiency as a performer, or the ability to read an approved language other than English, or both.

**Requirements:** Four papers and a thesis (28.601) which shall count as three papers. The papers shall be selected from 28.400, 28.401, 28.402, 28.406, 28.409, 28.414, 28.419 and 28.423. All candidates must enrol for 28.423 (Seminar in Musicology) and one of 28.402, 28.406, 28.409 and 28.414 in their first year of enrolment. Candidates may with the approval of the Head of Department include one paper not previously taken from those listed for Music III, but their course must include two examinable papers from those listed above.

(25) New Zealand Studies
**Pre-requisites:** Eight papers in one subject offering papers in the degree prescriptions for New Zealand Studies and a total of six papers in at least two other subjects listed in the degree prescription. Students will be required to satisfy the co-ordinator of the programme that the papers they have taken in the BA include at least seven with substantial New Zealand content. Competency in Maori language, attested by passes in Maori Studies 04.106 and 04.107 or their equivalents, will be required or may be acquired while the student is enrolled in the programme. In exceptional cases, such as when graduates have been in the work-force for some years, the programme co-ordinator may waive pre-requisites.

**Requirements:** Either (a) four papers, including 498.400, and a thesis (498.601) counting as three papers or (b) six papers, including 498.400, and a research essay (498.603) counting as one paper. If (a) is followed the papers other than 498.400 must be chosen from two of the subjects listed in the Degree Prescriptions and two papers must be carried out in the discipline in which the student has three Stage III papers. If (b) is followed the papers other than 498.400 must be chosen from two of the subjects listed in the Degree Prescriptions and three papers must be carried out in the discipline in which the student has three Stage III papers.

In respect of both (a) and (b) students must attempt 498.400 and three other papers (excluding 498.601 and 498.603) in their first year. The remaining papers and research essay or thesis must be completed in the second year. A candidate in full-time employment or with other demanding responsibilities may be permitted by the programme co-ordinator to spread the work over three years, providing no student does fewer than two papers in the first year.

Every course of study must be approved by the programme co-ordinator. In line with Regulation 7 of the General Provisions students may, with permission of the programme co-ordinator, include one Stage III paper in the degree.

(26) Philosophy
**Prerequisites:** Eight Philosophy papers, including 29.101 or T29.151 and four Philosophy III papers (or three Philosophy III papers in the case of students who are taking or have taken three Stage III papers in another subject). Students will also be required to satisfy the Head of Department that they have adequately covered the areas of (i) Theoretical Philosophy (Metaphysics, Epistemology, etc); (ii) Practical Philosophy (Ethics, Political Philosophy, etc); (iii) Logic; and (iv) History of Philosophy in their BA Degree. Adequate coverage normally means passes in papers in at least three of the areas at Stage III.

**Requirements:** Seven papers; or four papers and a thesis (29.601) which shall count as three papers; or six papers and a research essay (29.603) which shall count as one paper. One and only one paper may be selected from those at Philosophy III (29.300 to 29.313) which
the student has not previously passed. All other papers must be selected from 29.400 to 29.424. A candidate shall present either all papers in the same year or, having presented four papers in the first year, either present the remaining three papers in the year following or, with the approval of the Head of Department, a thesis, or two papers plus a research essay. The Head of Department may, in special circumstances (e.g. if the student is part time), approve a different sequence of papers over a period of time which accords with Regulation 3, no less than two papers being taken in any one year.

(27) Political Studies

Requirements: Four papers and a thesis (30.601) which shall count as three papers; or six papers and a research essay (30.603) which shall count as one paper; or seven papers.

Prerequisites: Eight papers in the subjects Political Studies or Asian Politics including three Stage III papers.

The papers shall be selected from 30.400 to 30.430, and 30.500 as prescribed for DipLGA except that one paper not already taken may be drawn from 30.300 to 30.325 (unless a Stage 3 paper from another subject is taken under Regulation 7).

Each candidate shall present four papers in the first year and the remainder in the year next following, except that, with the consent of the Head of Department, the candidate may present three papers in the first year and the remainder in the year next following or, in special circumstances, four papers in the first year, two in the second year and the remainder in the third. Other combinations of papers may be approved by the Head of Department in special cases provided that: they comply with Regulations 3 & 13 (c) at the MA Regulations and; no candidate may present fewer than two papers in either of the first two years.

A candidate presenting a research essay must submit it by 1 November in the year of presentation.

(28) Psychology

Requirements: Either: (i) Nine papers in the subject Psychology including 32.306 and three other Stage III papers in Psychology or (ii) In special circumstances and with the approval of the Head of Department eight papers in the subject Psychology including 32.306 and two other Stage III papers.

Prerequisites: Four papers and a thesis (43.601) which shall count as three papers. A candidate shall present four papers in the first year, and the thesis in the following year. In exceptional circumstances a candidate with demanding responsibilities may, with the consent of the Head of Department, be permitted to present the papers in two consecutive years with at least two papers in the first year, the thesis then being submitted in the third year. The papers shall be selected from 32.401 to 32.432.

(29) Russian

Requirements: Eight papers in the subject Russian including three Stage III papers (43.310 and two from 43.311, 43.312 and 43.313). Eight papers, including three at Stage III level, in anyone of Anthropology (Social), Maori Studies, Economics, English, Education, Geography, History, Philosophy, Political Studies, Psychology, Sociology; together with a professional social work qualification and three years' approved post-qualification experience.

Prerequisites: Either (a) Four papers and a thesis (690.601) which counts as three papers; or (b) four papers, a thesis (690.601) which counts as two papers, and a research project (690.420) which counts as one paper. The four papers are to include two relevant papers at the MA level in the subject with which the prerequisite requirement was fulfilled, one other paper, at Stage III or MA level, selected on the advice of the co-ordinating committee and with the approval of the relevant Head of Department and a compulsory paper in the theory and practice of social work (690.400). The thesis and the research project are to be on subjects within the Social Work area approved by the committee.

A candidate may present the four papers and the thesis or the thesis and the research project in one year or, having completed the four papers in the first year, present the thesis or the research project in the year next following. In addition one of the examiners of a thesis or a research project must be a social worker.

(31) Sociology

Requirements: Eight papers in the subject Sociology including 82.312, 82.320 or 82.321 and two other Stage III papers.

Prerequisites: Either: Four papers and thesis (82.601) equivalent to three papers; or: Six papers and a research essay (82.605) equivalent to one paper; or seven papers.

Papers to be drawn from 82.400 to 82.425, except that one paper not already taken may be drawn from 82.300 to 82.324. A candidate shall present four papers in the first year, and the remaining papers in the second year: except that a candidate who is engaged in full-time employment or with other demanding responsibilities may be permitted by the Head of Department to present three papers in the first year, or in special circumstances two papers in the first year, the remaining papers to be completed within the following two years. The date for the presentation of the research essay (82.603) shall be not later than 1 November in the year for which enrolment in this paper is accepted.

(32) Spanish

Requirements: Eight papers in the subject Spanish including three Stage III papers.

Prerequisites: Four papers including 45.400 and a thesis (45.601) which counts as three papers; or six papers including 45.400 and a research essay (45.603) which counts as one paper.

A candidate shall present, in the first year: four papers including 45.400; in the second year either (i) the thesis, or (ii) two papers and the research essay. In exceptional circumstances, the Head of Department may approve a course of study which occupies a period other than two years and/or which varies the above sequence of papers.

Paper 45.400: students must obtain a minimum pass of 50% in this paper before the degree can be awarded.

(33) Statistics

Requirements: Four papers including 45.400 and a thesis (45.601) which counts as three papers; or six papers including 45.400 and a research essay (45.603) which counts as one paper. The four papers are to include two relevant papers at the MA level in the subject with which the prerequisite requirement was fulfilled, one other paper, at Stage III or MA level, selected on the advice of the co-ordinating committee and with the approval of the relevant Head of Department and a compulsory paper in the theory and practice of social work (690.400). The thesis and the research project are to be on subjects within the Social Work area approved by the committee.

A candidate may present the four papers and the thesis or the thesis and the research project in one year or, having completed the four papers in the first year, present the thesis or the research project in the year next following. In addition one of the examiners of a thesis or a research project must be a social worker.

The date for the presentation of the research essay (82.603) shall be not later than 1 November in the year for which enrolment in this paper is accepted.

A candidate may present the four papers and the thesis or the thesis and the research project in one year or, having completed the four papers in the first year, present the thesis or the research project in the year next following. In addition one of the examiners of a thesis or a research project must be a social worker.
THE DEGREE OF MASTER OF LITERATURE MLitt

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Degree of Master of Literature shall before enrolment have been admitted or qualified for admission to a Master’s Degree with First or Second Class Honours, or, in exceptional cases, one of the other preliminary qualifications that would be required for enrolment for the Degree of Doctor of Philosophy.
2. A candidate for this Degree shall follow a course of full-time supervised study of not less than one year, nor more than two years, or the equivalent in part-time study.

Course Content
3. The course of study for this Degree shall comprise the presentation and preparation of a thesis, based on original research in one of the subjects available in the Faculty of Arts. The research topic shall be approved by the Head of Department and by the Senate.
4. The Senate shall, on the recommendation of the Head of Department, appoint a supervisor or supervisors for the thesis.
5. The Senate may, in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.
6. The Degree may, on the recommendation of the Senate, be awarded with Distinction.
7. Notwithstanding Regulation 13 (b) of the Regulations for the Degree of Doctor of Philosophy, a thesis rejected for that Degree shall not be submitted for this Degree.
8. These Regulations shall come into force on 1 January, 1988.

DEGREE COURSE PRESCRIPTIONS

Prescriptions are listed by Department. Most subject names are synonymous with the Department to which they belong. The prescriptions for the following subjects, however, may be found under the Departmental headings as listed below:

Subject  Department
Ancient History  Classics and Ancient History
Asian Studies  Asian Languages and Literatures
Chinese  Asian Languages and Literatures
Classical Studies  Classics and Ancient History
Cook Islands’ Maori  Pacific Studies
Dutch  Germanic Languages and Literature
French  Romance Languages
German  Germanic Languages and Literature
Greek  Classics and Ancient History
Indonesian  Asian Languages and Literatures
Italian  Romance Languages
Japanese  Asian Languages and Literatures
Korean  Asian Languages and Literatures
Latin  Classics and Ancient History
Linguistics  Anthropology
Samoa  Pacific Studies
Scandinavian Studies  Germanic Languages and Literature
Spanish  Romance Languages

03.207, 03.209, 03.215 and 03.220. These prerequisites are listed in the Schedule to the BA Degree Regulations. Full details concerning Anthropology papers are contained in the Anthropology Course Handbook 1995 available from the Department.

ANTHROPOLOGY

Anthropology I
03.100 Introduction to Social Anthropology
Basic anthropological issues and approaches to the study of culture and society.
03.101 The Archaeology of Human Cultural Development: the last two million years
An introduction to archaeological methods, a review of world prehistory to the emergence of the first cities and a study of the archaeology of the Pacific region.
03.102 Introduction to Maori Society
As prescribed for 04.101, Department of Maori Studies.
Note: The same paper is offered as Maori Studies 04.101, and N04.101.
03.104 Introduction to Biological Anthropology
Biological variation and evolution in the human species; primate evolution and behaviour.
T03.105 The Anthropology of Change and Development
Anthropological studies of societal and cultural change as they are related to general issues of change and development.
T03.106 Peoples and Cultures of the Pacific
The diverse ways of life and histories of indigenous peoples of the Pacific.
03.107 Musics of the World
A broad survey of the world’s music cultures covering North and South America; Africa; Europe; South, East, and South-East Asia; and the Pacific. Special attention will be given to the musics of the Pacific Islands, New Zealand, and Australia.
Note: (Also taught as 28.107)

Anthropology II
03.200 Ethnography of Island Polynesia
A survey of a number of pre-European and contemporary rural Polynesian societies.
*03.201 Melanesian Ethnography
A survey of Melanesian societies, with emphasis on traditional and changing social, economic, political and cultural features, especially on the village level.

03.206 Origins of Civilisation
The study of the early civilisations of the Near East and a comparative survey of early Chinese, American and other civilisations.

03.207 Human Evolution
Examination of the fossil and contemporary genetic, anatomical and behavioural evidence concerning human evolution; human disease in an evolutionary perspective.

03.208 The Coming of the Maori
Archaeological perspectives on Polynesian origins, initial adaptations to New Zealand, local cultural development, classic Maori society, history to 1840 A.D.

Note: The same paper is offered as Maori Studies 04.203 and 04.204.03.209 The Music of Africa
The study of traditional and popular African musics south of the Sahara.

Note: The same paper is offered as Music 28.214.

03.210 Ethnic Groups and Local Ethnic Relations
Ethnography in relation to notions of race, culture and social classes examined in the political and economic contexts of New Zealand, Peru and the Caribbean.

03.211 The Ancient Maori World/Te Ao Tawhito
Some accounts of traditional Maori life.

Note: The same paper is offered as Maori Studies 04.202.

*03.214 Issues in Social Theory
An introduction to theoretical issues in Social Anthropology.

03.215 Method and Theory in Archaeology
An examination of current concepts in archaeological research and their place in the development of archaeological thought.

*03.216 Maori Kinship and Community
A study of selected patterns of social relations e.g. kinship and residence; kinship and ancestral land; kinship and tribal identity.

Note: The same paper is offered as Maori Studies 04.207.

03.218 Ethnographies of the Contemporary Maori
A study of the history of ethnographic and other accounts of contemporary Maori society, examining the derivation of various social theories and their application to the Maori under changing political economic circumstances in New Zealand since industrialisation.

03.219 Anthropological Perspectives on Gender
An examination of diverse social, cultural and biological constructions of gender differences.

03.220 Theories in Social Anthropology
A critical survey of major theories and debates in Social Anthropology since c. 1950.

03.221 Practising Ethnomusicology
The theory and practice of the discipline of Ethnomusicology, including musical transcription and analysis; organology; non-Western notational systems; theoretical models for musical; cultural, and performance analysis; politics and public sector ethnomusicology; methods, techniques, and ethics in field research; and bibliographic skills.

Note: (Also taught as 28.213)

T03.222 Social Change
A survey of anthropological approaches to the study of social change.

T03.223 Culture and History in Western Polynesia: Fiji, Samoa, Tonga
The social, economic and political aspects of the dialectical transformation of three South Pacific societies: Fiji, Samoa, Tonga.

03.224 Ethnography of Micronesia
A survey of Micronesian geography, settlement histories and navigational skills, inter-island relations, social structures and contemporary political economic developments.

03.225 Peoples of the Other Pacific Rim: the Americas
Selected ethnographic accounts of North, Middle and South American Pacific regions.

Anthropology III
*03.300 History of Social Anthropology
Anthropology and its history of ideas - the theorists, the theories and their social contexts.

*03.301 Contemporary Problems in Social Anthropology
Selected contemporary issues in social anthropology.

*03.304 Maori Land History
An historical study of Maori land in its political economic and social context. Students are guided in documentary research of a case history.

Note: The same paper is offered as Maori Studies 04.308.

*03.305 Topics in Contemporary Melanesia
A survey of changing social, economic and political institutions in Melanesia since the late nineteenth century.

03.306 Topics in Contemporary Maori Society
A survey of current Maori institutions, social groupings and events.

Note: The same paper is offered as Maori Studies 04.302.

*03.308 Advanced Method and Theory in Archaeology
Evolution of Human Behaviour
Primate behaviour and ecology; the biocultural bases of contemporary human behaviour and cognition; the reconstruction of human behavioural evolution.

03.310 The Contemporary Pacific
A survey of recent social, economic and political changes in the Island Pacific.

03.311 Ancient Civilisations of East and Southeast Asia
The archaeological study of the ancient civilisations of East and Southeast Asia with particular reference to domestic animals and crops, metallurgy, urbanism and the formation of states.

03.312 Oceanic Prehistory
Anthropology and its history of ideas - the theorists, the theories and their social context. Students are guided in documentary research of a case history.

*03.313 Australian Aboriginal Archaeology and Society
Understanding the past and present of Aboriginal Australia, primarily through the study of archaeology, but relevant aspects of aboriginal society such as trade, ceremonies and economic and social organisation will also be dealt with.

03.314 Ancient Civilisations of East and Southeast Asia
A study of the history of ethnographic and other accounts of contemporary Maori society, examining the derivation of various social theories and their application to the Maori under changing political economic circumstances in New Zealand since industrialisation.

03.315 Biological Anthropology Laboratory
Introduction to analytical approaches to anthropological data. Basic statistical concepts and methods, computer skills and their uses within anthropology.

03.316 Urban Anthropology
Urban social conditions and subcultures in developed and developing nations.

03.317 Ethnography of Contemporary New Zealand! Aotearoa
An investigation of the legislation, philosophy and practical implications of archaeological resource management within bicultural New Zealand.

*03.318 Archaeological Resource Management
An investigation of the legislation, philosophy and practical implications of archaeological resource management within bicultural New Zealand.

03.329 Economic Anthropology
Household and small scale production, gift and commodity exchange in the context of contemporary economic change.

03.334 Ethnography of Contemporary New Zealand/Aotearoa Society
A survey of ethnographic research in New Zealand/Aotearoa. The
facul ty of arts

0.335 Anthropology of Art
Anthropological approaches to Pacific material and expressive culture.
*0.338 Biological Anthropology of the Pacific
Human biocultural adaptation in the Pacific. Contemporary, historic and prehistoric populations.
0.340 Field Methods in Archaeology
An introduction to archaeological excavation fieldwork methods, laboratory analysis and the writing of reports.
*0.341 Regional Approaches to Maori Society
Students will be familiarised with research methods and resources for research into topics of regional and tribal significance.
Note: The same paper is offered as Maori Studies 04.310.
0.342 Approaches to Archaeological Science
The application of scientific techniques in archaeology.
0.343 History of Anthropology
An integrated approach to the history of ideas in the sub-disciplines of Anthropology.
Note: This paper is prerequisite to an MA in Anthropology.
0.344 Special Topic in Archaeology
0.349 The Anthropology of Religion
Anthropological interpretations of religious systems of belief and ritual, with particular emphasis upon small-scale, "non-Western" cultures and societies.
*0.350 Special Topic in Social Anthropology
*0.351 Special Topic in Social Anthropology
0.352 Special Topic in Social Anthropology
Anthropology for MA and Honours
The course of study of every student must be approved by the Head of Department. A candidate may present either four papers (at least two at the 400 level and 0.343 if not already passed) and a thesis (0.601) counting as one paper.
Social Anthropology Papers
0.340 Theory in Social Anthropology
A study of some major theoretical domains in anthropological thought.
*0.342 Topics in the Anthropology of the Pacific
Studies of Pacific people and their cultures addressing current anthropological issues and debates.
0.344 Symbolic Anthropology
Survey of anthropological theories of symbolism and semiotics.
*0.345 Ethnohistory
An examination of theories of history and oral tradition and the redefinition of Pacific history.
*0.348 Ethical Problems in Social Research
Historical and contemporary problems concerning rights of all parties in social research; theory, method and practice.
0.341 Special Topic in Social Anthropology
Topic to be announced.
0.343 Anthropology and History
An examination of the ways in which Anthropology deals with the past, and cross-cultural differences in the production of histories in New Zealand and the Pacific Islands.
0.344 Field Methods in Social Anthropology
An examination of the experience, methods and techniques of anthropological field work in relation to particular research problems.
0.349 Topic in Social Anthropology
Topic to be announced.
+0.342 Maori Ethnicity
Note: The same paper is offered as Maori Studies 04.402.
*0.342 Topics in the History of Social Anthropology
An examination of the historical background of contemporary anthropological theories and ethnographic practices.

Archaeology Papers
0.401 Archaeological Method
Field, laboratory and analytical techniques.
†0.403 Prehistoric Ecology and Economics
Ecological and economic approaches to the study of prehistoric society from both a conceptual and a practical point of view.
*0.418 Research Design and Methodology
The course is designed to introduce students to procedures used in the definition of research problem, development and implementation of research design and the presentation of results. It is focused on the use of concepts and methods from anthropology and historical research in the examination and interpretation of archaeological evidence.
*0.422 Special Topic in Archaeology
Special topics selected in consultation with appropriate staff according to the student's field of research.
0.425 Regional Studies of Prehistoric Settlement, Interaction and Culture Change
A study of concepts, methods, and archaeological evidence.
0.426 Experimental and Ethnographic Archeology
Experimental approaches to the interpretation of archaeological and ethnographic data, involving basic training in techniques of field and laboratory analysis and practical experimental research projects.

Biological Anthropology Papers
0.412 Theory in Biological Anthropology
A study of evolutionary theory, its history and its application to humans, primates and hominids for the understanding of anatomical behavioural and/or social attributes.
0.416 Research Methods in Biological Anthropology
Bibliographic, analytical and experimental methods in biological anthropology; the development of research and grant proposals; presentation of research results.
*0.421 Topic in Biological Anthropology
A directed reading and individual study course to prepare students for doing research in a selected subfield of biological anthropology.

Ethnomusicology
0.420 Advanced Theory and Method in Ethnomusicology
Field method; transcription and analysis; study of selected scholars.
Note: The same paper is offered as Music 28.414.
0.427 Special Studies in Anthropology
A directed reading and individual study course to prepare students in the methodologies in a selected sub-discipline of Anthropology under supervision of appropriate staff member.
0.601 Thesis
0.604 Dissertation

LINGUISTICS
Fuller details concerning Linguistics papers are contained in Courses in Linguistics for 1995 available from the Department.

Linguistics Stage I Level
83.102 Introduction to Descriptive Linguistics
The structure of human languages. Methods of analysis and formal description.
83.104 Language and Society
The study of language in its cultural and social context
83.105 The Languages of the Pacific
General introduction to the languages and linguistics of the Pacific Islands and Australia, with commentary on associated cultural institutions, conceptual systems and oral literature.
Note: This paper is also offered as Pacific Studies 478.102.

Linguistics Stage II Level
83.203 Phonetics and Phonology
Phonological and phonetic theory. The study of sound systems. Problems of analysis.
83.204 Grammatical Analysis
Grammatical theory: Types of grammatical systems. Descriptive problems in morphology and syntax.

83.206 Language Variation and Change
Geographical and social variability in language. Relation of variation to long term historical trends. Types of language change. Language contact. Language families and comparative reconstruction.
Note: This paper is also offered as English 18.206.

Linguistics Stage III Level
83.300 Grammatical Theory
Modern theories of syntax and morphology. Syntactic and morphological topics.

83.301 Special Topic in Linguistics
1995: Language Acquisition
Note: The same paper is taught as English 18.340.

83.302 Special Topic in Comparative Linguistics
83.303 Polynesian Comparative Linguistics
Comparative and historical study of the sound systems, grammar, and vocabulary of the Polynesian languages.
Note: The same paper is offered as Maori Studies 04.305.

83.307 New Zealand English
Note: the same paper is offered as English 18.304

83.309 Field Methods
Practical work with a native speaker of an unfamiliar language. Phonological and grammatical description of the language.

83.312 Semantics and Pragmatics
The interrelationship between linguistic variation and social structure.
Note: The same paper is offered as 83.402 and English 18.343/18.425.

Linguistics for MA and Honours
The course of study of every student must be approved by the Head of Department. A candidate may present either four papers from 19.400 to 19.415, or three papers from 19.400 to 19.415 and one paper from the options prescribed for Stage III Art History, and either:
(a) A Thesis, 19.601, (value 3 papers)
(b) Three papers from 19.400 to 19.415, or two papers from 19.400 to 19.415 and one paper from the options prescribed for Stage III Art History.

*83.400 Pidgin and Creole Languages
*83.401 Discourse Analysis
The interrelationship between linguistic variation and social structure.
Note: The same paper is offered as 83.402 and English 18.343/18.425.

*83.402 Topics in Sociolinguistics
This course will discuss current attempts to account for and analyse language change. Topics such as lexical diffusion, glottochronology and lexicostatistics, teleology and grammaticalisation will be covered.
Note: The same paper is offered as English 18.441.

83.404 Special Topic in Linguistics
83.405 Advanced Studies in Syntax
Theories of syntax grammar and topics currently of interest to linguists; metatheory.
Note: The same paper is offered as English 18.408.

†83.406 Advanced Semantics and Pragmatics
A continuation of the theories and topics introduced in 83.312 Semantics.
Note: The same paper is offered as English 18.410.

83.407 Topics in Conversational Analysis
The organisation of conversation as an interactive activity.
Note: This paper is also offered as 83.313 and English 18.342.

83.601 Thesis
A Topic to be selected in consultation with staff
83.604 Dissertation

DEPARTMENT OF ART HISTORY
For Art History prescriptions for BA, BFA, MFA see Faculty of Fine Arts, Degree Prescriptions.

Art History for MA and Honours
four papers from 19.400 to 19.415, or three papers from 19.400 to 19.415 and one paper from the options prescribed for Stage III Art History, and either:
(a) A Thesis, 19.601, (value 3 papers)
or
(b) Three papers from 19.400 to 19.415, or two papers from 19.400 to 19.415 and one paper from the options prescribed for Stage III Art History.

*19.400 Topics in 17th Century Drawing
A study of drawings by the Carracci, Rubens, Rembrandt, Domenichino and Claude.

*19.401 Topics in Australian and New Zealand Art (Advanced)
Topics in Australian art from circa 1850 to 1970.
†19.402 Special Topic in Western Art Before 1600
To be prescribed by the Head of Department
*19.403 Watteau and his Sources and Influence
The work of Watteau, his sources and his influences on Western art.

19.404 Film Studies
An introduction to film history and criticism.
19.405 Nicolas Poussin and 17th Century Classicism
The art of Poussin in its historical and critical context.
Note: A candidate who has been credited with a pass in paper 19.303 may not take this paper.

*19.406 Art Historiography
A study of theoretical art historians including H. Wolfflin and E. Panofsky.

*19.407 A Topic in Medieval Art
19.408 European Representations of non-European peoples and places.
Representations of non-European people and places by European artists from late 18th to the early 20th century.

19.409 Topics in the Theory of Modern Art
An introduction to the theory of Modernist art.

19.410 Topics in 19th and 20th Century Sculpture
A study of the European tradition in New Zealand sculpture.

19.412 Women in Art (Advanced)
Includes the study of gender and representation in art and feminist theory.

19.413 Topics in Maori Art
Selected research topics in Maori and other Polynesian arts.

19.414 Image and Text
An introduction to the problems of the relations between image and text.

19.415 Structures in 15th Century Italian Renaissance Art
The paper will not focus on individual artists and artworks, but on aspects such as methods of representing time and space and constructing the spectator's role.

The thesis (19.601) shall not exceed 30,000 words, and two copies must be handed in to the Registrar, not later than 1 November. The subjects for the thesis shall be chosen in consultation with the Head of Department.
Book lists will be distributed at the beginning of the year.

DEPARTMENT OF ASIAN LANGUAGES
AND LITERATURE
The Department offers five subjects for the BA Degree. Chinese, Indonesian, Japanese and Korean may be taken to the Stage III level. Asian Studies presently does not proceed to Stage III, but makes more freely available general papers that do not involve a language component.

Other Departments, including Economics, Geography, History and Political Studies, also offer teaching related to Asia.
Detailed guides are available from the Department concerned. A general guide, *The study of Asia at the University of Auckland*, is also available.

**ASIAN STUDIES**

The following papers are taught entirely in English, and are open to students whether or not they are taking language papers. Where they are also available for Chinese, Indonesian, Japanese or Korean, they may be regarded as papers in those subjects or as papers in the subject Asian Studies. Students may choose the way such papers are designated, provided they comply with the Regulations for the Degree.

**Asian Studies I**

**97.100 Introduction to Chinese Thought**
A survey in English translation of traditional Chinese philosophical and religious literature (Confucian, Taoist, Buddhist, etc.) and of the ideas which have helped shape Chinese culture.

*Note: The same paper is offered as Chinese 48.102.*

**97.123 Indoensian Literature in Translation**
A study of many diverse but related aspects of Indonesian culture within the framework of the great 18th century novel, *The Story of the Stone* (to be studied in English translation).

*Note: The same paper is offered as Indonesian 80.104.*

**97.102 Modern China through Film and Literature**
A survey of personal and social change in twentieth-century China to the present day through short stories, other writings and feature films from the May 4th Movement to the Maoist and Dengist eras.

*Note: The same paper is offered as Chinese 48.105.*

**97.103 Ethnic Chinese abroad, with special reference to the New Zealand Chinese**
An examination of factors which motivated Chinese migrants to go abroad, and the problems of discrimination and integration they face in various host societies, New Zealand in particular. Special issues like the preservation of culture and the identity crisis will be explored from a cultural perspective, using literary materials ranging from essays to fiction. Samples of creative works such as poetry and essays by Chinese New Zealanders will also be used.

*Note: The same paper is offered as Chinese 48.106.*

**97.125 Introduction to Asian Religions**
An historical survey of Hinduism, Indian Buddhism and Islam.

*Note: The same paper is offered as Indonesian 80.130.*

**97.140 Japanese Literature in Translation**
A survey of Japanese literature in English translation from earliest times to the modern period.

*Note: The same paper is offered as Japanese 81.102.*

**97.141 Introduction to Japanese Thought and Culture**
A survey of Japanese intellectual and cultural traditions from earliest times.

*Note: The same paper is offered as Japanese 81.103.*

**97.142 Special Topic: A Topic in Japanese Culture**

*Note: The same paper is offered as Japanese 81.104.*

**97.160 Buddhism, Confucianism and Shamanism in Korean Culture**
An examination of continuity and change in Korean values as reflected in Korean culture with a special emphasis on Buddhism, Confucianism and Shamanism.

*Note: The same paper is offered as Korean 449.102.*

**Asian Studies II**

**97.200 Major Schools of Chinese Thought**
A study of the major schools of Chinese Thought. Texts in English translation representative of Confucianism, Mohism, Taoism, Legalism, Chinese Buddhism and Neo-Confucianism will be analysed and discussed.

This course will normally be offered in alternative years.

*Note: The same paper is offered as Chinese 48.203.*

**97.224 Nusantara: Selected Topics I**
An in-depth study of selected Indonesian regional cultures.

*Note: The same paper is offered as Indonesian 80.230.*

**97.225 Dutch Colonial History and Literature**
Overview of Dutch colonial history and literature, especially with regard to the Indonesian archipelago.

*Note: The same paper is offered as Dutch 421.202 and Indonesian 80.231.*

**97.227 Introduction to the Methodology of Indonesian Studies**
This paper is designed to prepare the student for research in Indonesian subjects chosen at Stage III or MA level.

*Note: The same paper is offered as Indonesian 80.250.*

**97.240 Japanese Thought and Culture: A Historical Survey**
This paper follows on from 97.141/81.103.

*Note: The same paper is offered as Japanese 81.209.*

**Asian Studies for MA and Honours**

Five papers and a thesis (97.601) which counts as two papers; or six papers and a research essay (97.603) which counts as one paper.

In either case candidates shall include three papers selected from those available at Master's level in Chinese, Indonesian or Japanese subject to the approval of the Head of Department. The remaining two or three papers shall, subject to the approval of the Heads of Departments, be selected from the Master's papers in one or two different subjects. At the discretion of the Heads of Departments one Stage III paper may be substituted for one of these Master's papers. In the thesis or research essay, sources in the Asian language being studied will be used.

**CHINESE**

**Chinese 1**

Papers 48.100 and 48.101 are corequisites, and entail six classroom hours per week, including language lab.

**48.100 and 48.101 Introduction to Modern Chinese Language A and B**
These two linked papers are designed to provide basic written and spoken skills in Modern Standard Chinese (Mandarin, Putonghua) for beginners. By the end of the year students will be able to recognize and write more than 500 Chinese characters and to converse in simple language which could be written down using combinations of these characters.

**48.102 Introduction to Chinese Thought**
As prescribed for 97.100 Asian Studies.

*Note: The same paper is offered as Asian Studies 97.100.*

**48.104 Aspects of Traditional Chinese Culture**
As prescribed for 97.101 Asian Studies.

*Note: The same paper is offered as Asian Studies 97.101.*

**48.105 Modern China through Film and Literature**
As prescribed for 97.102 Asian Studies.

*Note: The same paper is offered as Asian Studies 97.102.*

**48.106 Ethnic Chinese Abroad with special reference to New Zealand Chinese**
As prescribed for 97.103 Asian Studies.

*Note: The same paper is offered as Asian Studies 97.103.*

**48.107 Academic Chinese for Native Speakers (non-Mandarin)**
This paper is intended for native speakers of a dialect other than Mandarin, as it introduces the pronunciation, romanization, vocabulary and grammar of standard spoken Mandarin. Special attention will be given to the contrast between Mandarin and other dialects (especially Cantonese), as well as between spoken Mandarin and written Chinese. Native speakers of Mandarin should enrol in 48.108 instead.

**48.108 Academic Chinese for Native Speakers (Mandarin)**
This paper is designed for native speakers of Mandarin (guoyu or putonghua). It provides an opportunity for a systematic study of the various aspects of standard Mandarin: its phonological, lexical
and syntactic systems. Special attention will be given to the contrast between the spoken discourse and the written text in modern standard Chinese.

Chinese II

48.200 Intermediate Modern Chinese and
48.201 Readings in Modern Chinese
These two corequisite papers continue with the textbook Hanyu used in 48.100 and 48.101. Selected materials at a similar level of modern Chinese will be studied as well. Emphasis is placed on oral and aural competence; grammar points, vocabulary, comprehension and sentence construction skills. The traditional forms of characters are introduced systematically. A variety of chosen materials will provide the student with a basic understanding of various aspects of China.

48.202 Introduction to Classical Chinese Language and Literature
This consists of three elements: (1) a grounding in classical Chinese grammar (with special emphasis on key functional words and basic sentence patterns); (2) a selection of reading texts from classical Chinese prose and poetry; and (3) a simple historical survey of classical Chinese literature from pre-Qin times to the Qing Dynasty.

48.203 Major Schools of Chinese Thought
As prescribed for 97.200 Asian Studies.

Note: The same paper is offered as Asian Studies 97.200.

48.204 Introduction to Translation for Native Speakers
This course is designed to develop the Chinese and English translation skills of students with Chinese-speaking backgrounds. It presumes a required proficiency in English.

48.205 Readings in Modern and Classical Chinese for Native Speakers.
This paper is intended for native speakers of Chinese. The readings are selected from important classical and modern Chinese literary works. Special attention is given to the cultivation of the ability to read with critical appreciation. This paper presumes a required proficiency in English.

Chinese III
Candidates normally take papers 48.300, 48.301 and 48.302. Native speakers should not attempt these papers but should take papers 48.303 and 48.304. Candidates for paper 48.300 may take papers 48.303 as an additional paper and students intending to take MA papers 48.420 and 48.421 are recommended to take it. With special permission of the Head of Department certain papers prescribed for Chinese for MA and Honours may be selected as additional Stage III papers.

48.300 Advanced Modern Chinese and
48.301 Advanced Readings in Modern Chinese
These two corequisite papers are designed to consolidate students' language skills. Materials covering various aspects of modern China enhance students' ability in reading and conversation. Critical study of supplementary materials including contemporary literature, documentary prose, newspapers and a variety of practical writing further develop understanding of the principles and practice of the modern Chinese language and ability to communicate in the language on topics covering different aspects of Chinese social life.

48.302 Readings in Classical Chinese Literature
A continuation of 48.202 and more in-depth study of classical language and literature.

48.303 Advanced Translation for Native Speakers
This is a continuation of 48.204 leading to (1) more advanced training in reading and translating skills, and (2) a wider range of materials for reading comprehension and translation practice. Students are also introduced cumulatively and inductively to basic theories and principles of translation. It presumes a required proficiency in English.

48.304 Advanced Readings in Modern and Classical Chinese for Native Speakers
This is a continuation of 48.205 leading to (1) the use of more advanced texts for critical study, (2) more in-depth training in the skills of literary criticism, and (3) more emphasis on the development of the ability to write precis, commentary and critical reviews. This paper presumes a required proficiency in English.

Chinese for MA and Honours
Four papers (which must include 48.419) and a thesis (48.601) of 25,000 words or more on a selected topic for which Chinese sources will be used; or six papers (which must include 48.419) and a dissertation (48.604) of 10,000 words or more on a selected topic for which Chinese sources will be used. Students intending to enrol for MA should consult the Head of Department towards the end of the previous year to discuss the availability of papers and obtain advice on vacation reading.

48.400 Advanced Language Skills for Practical and Research Use

48.402 Chinese Prose Literature of the Tang and Song Dynasties

48.403 Introduction to Chinese Historiography and Translation of Historical Texts

48.405 Chinese Poetry of the Tang and Song Dynasties

48.406 Readings in the Confucian and Taoist Classics

48.411 The Novel in Imperial China

48.412 Modern Chinese Fiction

48.413 Traditional Chinese Drama, with Special Reference to the Xixiang Ji

48.414 Modern Chinese Drama, with Special Reference to the Plays of Cao Yu

48.415 A Study of Newspaper and other Nonliterary Forms of Modern Chinese

48.416 River Elegy and Chinese Cultural Discourse since the 1980s

48.417 The Structure of the Chinese Language

48.418 Advanced Readings in Contemporary Chinese Literature

48.419 Bibliography and Research Methodology

48.420 Principles and Practice of Chinese-English Translation

48.421 Principles and Practice of English-Chinese Translation

48.423 Special Topic

48.424 Special Topic

Every candidate will be required to pass an examination in the oral use of the language. In determining the classification of Honours, the candidate's performance in the written papers, the dissertation, the oral examination and coursework will be taken into consideration. The attention of students who intend to enrol for MA is drawn to Regulation 6 of the General Provisions for the Degree of Master of Arts.

Note: There is no guarantee that all the papers listed above will be available in any one year.

INDONESIAN

Indonesian I
Papers 80.100 and 80.101 are corequisites and entail six classroom hours per week, including language lab. No previous knowledge of Indonesian is required.

80.100 and 80.101 Bahasa Indonesia IA and IB
Introducing written and spoken contemporary Indonesian.

80.120 Indonesian Literature in Translation
A study of selected traditional and modern Indonesian texts emphasizing cultural, historical and/or literary historical themes.

Note: The same paper is offered as Asian Studies 97.123.

80.130 Indonesian Cultures and Societies
An introduction to the cultural diversity of the Indonesian archipelago.

Note: The same paper is offered as Asian Studies 97.123.

780.131 Introduction to Asian Religions
A historical survey of Hinduism, Indian Buddhism and Islam.

Note: The same paper is offered as Asian Studies 97.125.
Indonesian II
80.200 Bahasa Indonesia II
Developing skills in the written and oral use of Indonesian.
80.220 Indonesian Readings
A selection of readings in Indonesian gathered from a large variety of sources and ranging in difficulty from the intermediate to the advanced.
80.230 Nusantara: Selected Topics I
An in-depth study of selected Indonesian regional cultures.
Note: The same paper is offered as Asian Studies 97.224.
80.231 Dutch Colonial History and Literature.
Overview of Dutch colonial history and literature, especially with regard to the Indonesian archipelago.
Note: The same paper is offered as 421.202 and 97.225.
†80.240 Modern Javanese I
A text-based introduction to Modern Javanese prose writings.
80.250 Introduction to the Methodology of Indonesian Studies.
This course is designed to prepare the student for research in Indonesian subjects chosen at Stage III or MA level.
Note: The same paper is offered as Asian Studies 97.227

Indonesian III
Candidates seeking to satisfy Regulation 4 (a) in the subject Indonesian must take 80.300 and two other papers. With the approval of the Head of Department certain papers prescribed for Indonesian for MA and Honours may be selected as additional Stage III papers.
80.300 Bahasa Indonesia III
Aiming at more advanced fluency and competence in oral and written Indonesian.
80.320 Survey of Modern Indonesian Literature
A survey of the development of modern Indonesian literature in the 20th century, conducted partially in Indonesian.
80.321 Introduction to Classical Malay Literature Various genres will be studied; readings will be in both printed and manuscript form.
80.330 Nusantara: Selected Topics II
A more advanced study of one or various Indonesian cultures, either contemporary or pre-modern.
80.340 Modern Javanese II
Intermediate literary Javanese (macapat poetry).
80.360 Advanced Indonesian Readings
A course designed principally for native or near-native speakers of Indonesian or Malay, conducted entirely in Indonesian.
Readings will be taken largely from current print media.
†80.370 Introduction to Batak Language and Literature
A study of Batak culture as reflected in the oral and written literature of the Toba- and Karo-Batak.
80.399 Special Studies.

Indonesian for MA and Honours
Five papers and a thesis (80.601) which counts as two papers. Students intending to enrol for MA must consult the Head of the Department towards the end of the previous year to discuss optional papers and to obtain advice on vacation reading.
80.400 Bahasa Indonesia IV
Advanced language skills in oral and written Indonesian.
†80.420 Advanced Studies in Modern Indonesian/Malay Literature
The application of literary criticism to any aspect of contemporary (i.e. post-1920) writings in Indonesian or Malay.
†80.421 Selected Topics in Classical Malay Literature
Advanced studies in classical Malay literature with special emphasis on philology.
†80.440 Selected Topics in Javanese or Old Javanese Literature
Advanced studies in Old or New Javanese literature with special emphasis on philology or cultural history.
†80.499 Special Studies
Selected topics undertaken through individual or small group consultation with the lecturer.

In determining the class of Honours, the candidate’s performance in the written papers, the thesis, the oral examination and coursework will be taken into consideration. The attention of students who intend to enrol for MA is drawn to Regulation 6 of the General Provisions for the Degree of Master of Arts.
Note: There is no guarantee that all the papers listed above will be available in any one year.

Japanese
81.100 Basic Japanese A
A basic course in grammar and reading comprehension.
81.101 Basic Japanese B
Written and oral use of modern Japanese tested in some or all of the following ways: translation, composition, writing of kana and kanji scripts, aural comprehension, conversation and dictation.
81.102 Japanese Literature in Translation
As prescribed for 97.140 Asian Studies.
81.103 Introduction to Japanese Thought and Culture
As prescribed for 97.141 Asian Studies.
81.104 Special Topic: A Topic in Japanese Culture
Note: The same paper is offered as Asian Studies 97.142.
81.110 Oral Japanese for Beginners
An optional paper open to students with one year or less previous study of Japanese.
81.111 Introduction to the Japanese Language A
As prescribed for 81.100. This paper is taught on the Tamaki Campus.
81.112 Introduction to the Japanese Language B
As prescribed for 81.101. This paper is taught on the Tamaki Campus.
81.120 Basic Japanese for Beginners A
A basic course in the modern Japanese language.
81.121 Basic Japanese for Beginners B
Written and oral use of modern Japanese.

Japanese II
Candidates must take at least one of 81.201, 81.204 and T81.211, and at least two of 81.200, 81.202, 81.203, T81.210 and T81.212.
81.200 Translation into Japanese
Reinforcement and expansion of knowledge of grammar and script through English-Japanese translation. Candidates will be examined on at sight translation into Japanese.
81.201 Intermediate Japanese
Expansion of vocabulary and script through readings. Candidates will be examined by some or all of the following ways: Japanese-English translation (at sight/sighted), comprehension, composition, grammatical and kanji exercises.
81.202 Oral/Aural Japanese
Oral and aural practice in modern Japanese. Candidates will be examined by some or all of the following ways: conversation, aural comprehension, dictation, composition, reading and grammar.
81.203 Structural Analysis of Japanese
Structural analysis of the pronunciation, grammar, script and usage of the modern Japanese language.
81.204 Modern Japanese Literature: Japanese through Prose, Poetry and Scripts
Readings of selected works as an introduction to modern literature, film and theatre.
This paper follows on from 81.103/97.141. Survey T81.211 Introduction to Newspaper Japanese composition in various styles of Japanese. Translation from English to Japanese and an emphasis on free kanji, vocabulary, contemporary Japanese newspaper articles and other written materials covering a variety of social, economic, and political topics.

T81.212 Communicative Japanese in Business Situations I
Develops oral-aural proficiency within a business context.

*81.220 Intermediate Japanese A
A continuation of 81.120, 81.121

*81.221 Intermediate Japanese B
A continuation of 81.120, 81.121

*81.222 Intermediate Japanese C
A continuation of 81.120, 81.121

Japanese III
Candidates must take at least one of 81.301 and T81.311, and at least two of 81.300, 81.302, 81.303, T81.312, T81.313. 81.302 is a prerequisite for the MA Degree. With the approval of the Head of Department certain papers prescribed for Japanese for MA and Honours may be selected as additional Stage III Level papers.

81.300 Modern Japanese A

81.301 Modern Japanese B
Improving skills in reading comprehension, and expansion of kanji and vocabulary.

81.302 Classical Japanese Language and Literature
Written and oral use of Japanese in a variety of situations.

T81.311 Readings in Contemporary Japanese
Builds on the reading skills acquired in Stage II and will introduce the student to contemporary written Japanese as it appears in newspapers, magazines and journals.

T81.312 Communicative Japanese in Business Situations II
Builds on the skills acquired in Stage II and will further develop oral-aural proficiency in Japanese within a business context.

T81.313 Current Events in Japanese (Utilising Satellite News Broadcasts)
Emphasizes development of students’ ability to view Japan’s contemporary issues and to express their critical opinions both verbally and in writing.

Japanese for MA and Honours
Four papers including 81.401 with a thesis (81.601) of 20,000 to 30,000 words, on a selected topic for which Japanese sources will be used, or an annotated translation of a Japanese text; or six papers including 81.401 with a research essay (81.603) not exceeding 7,000 to 10,000 words, on a selected topic for which Japanese sources will be used, or a translation of a Japanese text. Students intending to enrol for MA must consult the Head of Department towards the end of the previous year to discuss optional papers and to obtain advice on vacation reading.

Prerequisites: Eight papers in Japanese including 81.302 and two other Stage III papers in Japanese. Students are strongly advised to take 81.102, 81.103 and 81.303 as part of their BA Degree.

81.400 Translation at Sight into Japanese and Free Composition

81.401 Japanese Research Materials and Methodology

81.402 Translation of and Comments on Prescribed Modern Prose Literature

81.403 Translation of and Comments on Prescribed Classical Prose

81.404 Translation of and Comments on Selections from Japanese Poetry

A comprehensive survey of the development of Japanese poetry.

81.405 Translation of and Comments on Selections from Japanese Drama

A comprehensive survey of the development of Japanese drama.

81.406 An Approved Special Topic in Japanese Language, Literature, Thought or Culture

81.407 Translation of Japanese Non-Literary Texts into English

81.408 Introduction to Japanese Linguistics

81.409 Advanced Language Acquisition

Drilling of all Japanese language skills other than written translation.

81.410 Special Topics in Japanese Linguistics

81.411 Major Works of Traditional Japanese Thought

81.412 Major Works of Modern Japanese Thinkers

81.413 History of Japanese Literary Criticism

81.414 Problems in Japanese Syntax

Every candidate will be required to pass an examination on the oral use of the language. In determining the class of Honours, the candidate’s performance in the written papers, the dissertation, the oral examination and in coursework will be taken into consideration. The attention of students who intend to enrol for MA is drawn to Regulation 6 of the General Provisions for the Degree of Master of Arts.

Note: There is no guarantee that all the papers listed above will be available in any one year.

KOREAN

Korean I
Papers 449.100 and 449.101 are corequisites and entail a total of seven hours of classes per week.

449.100 Korean for Beginners A
A beginners’ course in modern Korean emphasizing oral and aural comprehension together with an introduction to basic grammar.

449.101 Korean for Beginners B
A beginners’ course in modern Korean emphasizing reading comprehension and composition.

1449.102 Buddhism, Confucianism and Shamanism in Korean Culture
As prescribed for 97.160 Asian Studies.

449.103 Korean Study Abroad
This will consist of a short (c. 10 weeks) intensive language acquisition programme at the Yonsei University Korean Language Institute in Seoul, preceded by a series of preparatory lectures in Term 3.

Korean II
Papers 449.200, 449.201 and 449.202 are corequisites, and entail a total of seven hours of classes per week.

449.200 Intermediate Korean A
A continuation of 449.100.

449.201 Intermediate Korean B
A continuation of 449.101. Basic Hanja (Chinese characters) will be introduced.

449.202 Translation From and Into Modern Korean
Develops translation skills.

449.203 Korean Study Abroad
This will consist of a short (c. 10 weeks) intensive language acquisition programme at the Yonsei University Korean Language Institute in Seoul, preceded by a series of preparatory lectures in Term 3.

Korean III
Paper 449.300, 449.301 and 449.302 are corequisites and entail a total of seven hours of classes per week.

449.300 and 449.301 Advanced Korean A and B
These are designed to reinforce the Korean language skills that students have learned during the previous two years. A variety of audio and written material covering various aspects of modern Korea will be used.
449.302 Translation from and into Modern Korean
An advanced level version of 449.202. The materials will be drawn from newspaper articles and a variety of other sources covering the society, geography, culture, economy and daily life of Korea.

449.303 Traditional and Modern Korean Literature
A study of Korean literature from the Three Kingdoms period through the Koryo and the Chosun dynasties to the present. Important literary works from throughout Korean history will be introduced and commented on.

DEPARTMENT OF CLASSICS AND ANCIENT HISTORY
The Department of Classics and Ancient History teaches three subjects to MA with Honours level: Latin, Greek and Ancient History, and Classical Studies to Stage II (see papers 73.110 and 73.210-230). All students wishing to advance beyond Stage I should plan their courses carefully in consultation with a member of staff. All students enrolling in Latin at university for the first time should consult the Head of Department about their course. It is normal for students with not more than three years’ experience of Latin at school to enrol in Latin I and for students with more than three years’ experience of Latin at school to begin at Stage II level.

Students who intend to advance to MA with Honours in Latin or Greek are strongly advised to enrol for both languages in their first year. Greek I is a prerequisite to MA in Latin.

An MA with Honours in Latin and Greek (Combined Honours) requires that students pass Latin III and Greek III before enrolling in their MA year. Students planning this course should therefore start Latin and Greek together in their first year.

Students who intend to advance to MA in Ancient History must study at least one ancient language. They must fulfill certain prerequisites for MA, including, normally, two papers in a language. Students who wish to take the Egyptian option must pass 12.210 and 12.310 and must plan to take 12.210 in their Stage II year to enable them to progress to 12.310 in their Stage III year before MA.

Students who wish to take the Mesopotamian option must likewise pass 12.211 and 12.311 before MA. Students in the Greek option must pass 10.100, 10.102 and in the Roman option 09.100, 09.102, or have equivalent qualifications.

Students who wish to take the Greek or Roman options at MA are advised to enrol in Greek or Latin papers in their first year, and do more than the prerequisite minimum. As much of the scholarly work on Ancient History (especially Egyptian and Akkadian subjects) is in foreign languages, students planning to take these options should enrol for German I and French I papers, in their first year preferably.

Students who intend to take Latin or Greek are advised that Ancient History papers, at least in the field relevant to their language, will be most useful, especially for those advancing beyond Stage I, since outlines of History are now no longer taught within the language courses.

Students considering enrolling for any subject in the Department are strongly advised to come and see a member of staff during the pre-enrolment period. External students should consult the Head of Department about their course. It is normal for students with not more than three years’ experience of Latin at school to enrol in Latin I and for students with more than three years’ experience of Latin at school to begin at Stage II level.

Latin II
(Five hours per week.)
Prerequisite: 09.100, 09.102 unless direct entry is approved.

09.200 Prescribed Texts
Texts will be prescribed for detailed linguistic and literary study.

09.201 Latin Literature
Texts will be prescribed for detailed study with emphasis on the acquisition of reading skills and on the literary appreciation of the texts.

09.202 Language
A course on the structure of the Latin language with exercises requiring translation from and into Latin.

Latin III
(Five hours per week.)
Prerequisite: 09.200, 09.201, 09.202.

09.300 Prescribed Texts
Texts will be prescribed for detailed linguistic and literary study.

09.301 Latin Literature
An author or literary genre or topic will be studied by means of prescribed texts.

09.302 Language and History of the Language
An advanced course on the structure and use of the Latin language including a study of the early history of the language.

09.303 Prescribed Texts
(Two hours per week.)
As prescribed for 09.300. Students who have passed 09.300 will not be permitted to enrol in 09.303 unless there has been a change of syllabus.

09.304 Literature
(One hour per week.)
As prescribed for 09.301. Students who have passed 09.301 will not be permitted to enrol in 09.304 unless there has been a change of syllabus.

Latin for MA and Honours
Honours in Latin (Seven papers).
This is normally a two-year course, in which candidates offer four papers in their first year and two papers plus a research essay (counting as one paper: 09.603), or with the permission of the Head of Department a thesis (counting as three papers: 09.601) in their second. Candidates must offer 09.400, either 09.401 or 09.404, and 09.603 or 09.601; the selection of optional papers must be approved by the Head of Department.

All intending MA students should consult the Head of Department in the year preceding enrolment, as not all papers will be available every year.

Prerequisite: Eight papers in Latin, including 09.300, 09.301, 09.302, 09.303, 09.304, 09.305, 09.306 and 09.307.

09.400 Unprepared Translation of Latin Prose and Verse
(One hour per week.)
Any or all of the following: translation into Latin, grammatical, syntactical, linguistic and stylistic analysis of passages of Latin prose and/or verse.

09.402 Latin Poetry
(One hour per week.)
Two subjects will normally be set, with reference to prescribed texts.

09.403 Latin Prose Authors
(One hour per week.)
Two subjects will normally be set with reference to prescribed texts.

09.404 Vulgar Latin or Early Latin
(One hour per week.)
Either Vulgar and Late Latin
The phonology, morphology, syntax and vocabulary of Vulgar and Late Latin as seen in the prescribed texts. Comparison with inscriptive material will be made where relevant.

Or Early Latin
The phonology, morphology, syntax and vocabulary of Early Latin as seen in the prescribed texts. Comparison with inscriptive material will be made where relevant.
There will be a final examination in each paper.
The topic will be that of the Ancient History Roman Topic for MA.

09.405, 09.406 Roman History
(Two hours per week.)
The topic will be prescribed.

09.407 Literary Topic
(One hour per week.)
The topic will be prescribed.

09.408 Special Topic
09.409 Special Topic
09.601 Thesis
(equivalent of three papers)

09.603 Research Essay
(Equivalent to one paper)

Combined Honours (Languages and Literature)
See MA Degree Course Regulations.

GREEK

Greek I
(Four hours per week plus tutorial)
10.100 Introduction to Ancient Greek Language
Ancient Greek texts will be prescribed for reading, literary appreciation and grammatical study.

10.102 Introduction to the Ancient Greek Language
An introductory course in the grammar and vocabulary of Ancient Greek.
Note: Students enrolling in 10.100 must also enrol in, or have previously passed, 10.102.
Students may enrol in 10.102 without 10.100.

Greek II
(Five hours per week.)
Prerequisites: 10.100 and 10.101 or 10.102 or direct entry.

10.200 Prescribed Texts
Texts will be prescribed for detailed linguistic and literary study.

10.201 Greek Literature
Texts will be prescribed for study, with emphasis on the acquisition of reading skills and on the literary appreciation of the texts.

10.202 Language
A course on the structure of the ancient Greek language, with exercises requiring translation from and into Greek.

Greek III
(Five hours per week.)
Prerequisite: 10.200, 10.201, 10.202.

10.300 Prescribed Texts
Texts will be prescribed for detailed linguistic and literary study.

10.301 Greek Literature
An author or literary genre or topic will be studied by means of prescribed texts.

10.302 Language and History of Language
An advanced course on the structure and use of the ancient Greek language, including a study of the early history of the language.

10.303 Prescribed Texts
(Two hours per week.)
As prescribed for 10.300. Students who have passed 10.300 will not be permitted to enrol in 10.303 unless there has been a change of syllabus.

10.304 Literature
(One hour per week.)
As prescribed for 10.301. Students who have passed 10.301 will not be permitted to enrol in 10.304 unless there has been a change of syllabus.

Greek for MA and Honours
Honours in Greek
(Seven papers.)
This is normally a two year course, in which candidates offer four papers in their first year and two papers plus a research essay (counting as one paper: 10.603) in their second. Candidates must offer 10.400, either 10.401 or 10.404, and 10.603; the selection of optional papers must be approved by the Head of Department All intending MA students should consult the Head of Department in the year preceding enrolment, as not all papers will be available every year.

Prerequisite: Eight papers in Greek, including 10.300, 301, 302.

10.400 Unprepared Translation
Passages of prose and verse will be set for translation into English.

10.401 Language
(One hour per week.)
Any or all of the following: translation into Greek, grammatical, syntactical, linguistic and stylistic analysis of passages of Greek prose and/or verse.

10.402 Greek Poetry
(One hour per week.)
Two subjects will normally be set, with reference to prescribed texts.

10.403 Greek Prose Authors
(One hour per week.)
Two subjects will normally be set, with reference to prescribed texts.

10.404 New Testament Greek or Classical Greek Dialects
(One hour per week.)
Either New Testament Greek
The phonology, morphology, syntax and vocabulary of New Testament Greek as seen in the prescribed texts. Comparison with papyrus material will be made where relevant.

Or Classical Greek Dialects
The non-Attic dialects of Classical Greek, studied from inscriptive material

10.405, 10.406 Greek History
(Two hours per week.)
The topic will be that of the Ancient History Greek Topic for MA.
There will be a final examination in each paper.

10.407 Literary Topic
(One hour per week.)
The topic will be prescribed.

10.408 Special Topic
10.409 Special Topic
10.603 Research Essay
(Equivalent to one paper)

Combined Honours (Language and Literature)
See MA Degree Course Regulations.

ANCIENT HISTORY

Ancient History I
12.100 Near Eastern History
(Two hours per week, plus fortnightly tutorial.)
An outline history of the ancient civilisations of Egypt, Mesopotamia and Israel from neolithic times to Alexander the Great; the course will include artistic and cultural questions, and the civilisations of Anatolia, Syria and Iran will be considered in less detail.

12.102 Greek History
(Two hours per week, plus fortnightly tutorial.)
An introduction to Greek History and Civilisation from the Mycenaean Age to the death of Alexander the Great.

12.103 Roman History
(Two hours per week, plus fortnightly tutorial.)
An introduction to the History and Civilisation of Rome, with particular reference to the Republic and Early Empire.

*12.104 Literature and Thought of Archaic Greece and Republican Rome
(Two hours per week plus a fortnightly tutorial)
A study of the literature and thought of the Archaic Age of Greece with special emphasis on Homer, and the Republican Era of Rome, with special emphasis on Plautus.

*12.114 Literature and Thought of Classical Greece and Imperial Rome
(Two hours per week plus a fortnightly tutorial.)
A study of the literature and thought of the Classical Age of Greece with special emphasis on Aristophanes and of the Imperial Era of Rome, with special emphasis on Ovid.
Ancient History II

*12.200 Egypt in Dynasties XVIII
(Three hours per fortnight.)
Students planning to advance to MA Egyptian option must take paper 12.210 with this paper.
This course concentrates on the internal organisation and foreign policy of the kings of the 18th dynasty, c.1570-1320 B.C.

*12.201 The Neo-Assyrian Empire
(Three hours per fortnight.)
Students planning to advance to MA in Mesopotamian option must take paper 12.211 with this paper.
This course on the Neo-Assyrian Empire (c.884-612 B.C.) will include a study of the Assyrian State, the aims, methods and historical importance of Assyrian imperialism, and its reflection in art, literature and religion. Special attention will be paid to contemporary documents.

*12.202 Greece and Persia
(Three hours per fortnight.)
Students planning to advance to MA in Greek option should consider taking 10.100, 10.102 with this paper.
Greece and Persia (c.546-323 B.C.) will involve a study of Herodotus' history and the first Persian War, the Greek counter measures and the organisation of the Athenian Confederacy, Persian interventions in Greek inter-state struggles in the fifth and fourth centuries, and Alexander's Anabasis.

*12.203 Pax Romana
(Three hours per fortnight.)
Students planning to advance to MA in Roman option should consider taking 09.100, 09.102 with this paper.
A study of the Roman Empire during the first two centuries A.D. Special attention will be given to the social and religious history of the period, and there will be extensive use of ancient texts in translation.

12.204 Art and Society in Ancient Greece and Rome
(two hours per week.)
A study of art and architecture of the Greeks and Romans in their social and cultural contexts. Emphasis will be placed on the role of the visual arts as vehicles for the expression of social values and political and imperial ideals.

12.210 Egyptian Language and Documents
(Two hours per week.)
The Egyptian Language, hieroglyphic writing, and selected documents up to Dynasty XVIII.

12.211 Akkadian Language and Documents
(Two hours per week.)
The Akkadian Language, cuneiform writing and selected documents of the Neo-Assyrian Empire.

12.212 Political Theory and Practice in Imperial Athens
(Three hours per fortnight.)
Students planning to advance to MA in Greek option should consider taking 10.100, 10.102 with this paper.
Classical Athens will provide the historical context for a study of the Greek city-state as interpreted by ancient historians, poets, orators and philosophers.

12.213 Individuals and the State in the Roman Empire
(Three hours per fortnight.)
This paper studies the growth in individual power in the Roman Republic and the consequent response by the Senate and Roman people.

*12.214 Historians of Rome
(Three hours per fortnight.)
Students planning to advance to MA Roman option should consider taking 09.100, 09.102 with this paper.
A study of the Greek and Latin writers on Roman History; all works will be studied in English. The authors will include Polybius, Livy, Sallust, Caesar, Tacitus, Suetonius.

12.220 Egypt in Dynasties XI-XVII
(Three hours per fortnight.)
Students planning to advance to MA in Egyptian option must take paper 12.210 with this paper.
This course deals with the reunification of Egypt at the end of the First Intermediate Period and goes on to study the Middle Kingdom (the so-called Classical Age of Ancient Egyptian Culture) in depth. The reasons for the collapse of Dynasty 12 are next considered, followed by the loss of unity in Dynasty 13, the origins and nature of the foreign Hyksos ( Asiatic) rule over Egypt, and finally the first stirrings of renewed nationalist feelings, leading to the reunification of Egypt under a native Pharaoh at the start of Dynasty 18.

12.221 Mesopotamia in the 18th Century B.C.
(Three hours per fortnight.)
Students planning to advance to MA in Mesopotamian option must take paper 12.211 with this paper.
Assur, Mari, Babylon: Mesopotamia in the 18th Century B.C. This is a period of immense documentary wealth, with important archives of documents found in several centres and relating to all aspects of life during the period. The most notable political event of the time was the gradual rise of Babylon to the position of imperial mistress of the entire region, under one of its most famous kings, Hammurabi.

*12.222 Tyranny
(Three hours per fortnight.)
Students planning to advance to MA in Greek option should consider taking 10.100, 10.102 with this paper.
A study of the causes of the tyrannies in the Greek city-states, the aims and methods of the tyrants and the reasons for their expulsion. The course will consider the 7th-6th century tyrants at the Isthmus of Corinth, in Jonia, and in Sicily, and the connections between tyranny and imperialism (collaboration and resistance), the tyranny in Athens, and the tyrants in Sicily and elsewhere in the later 5th and following centuries.

12.224 Greek Philosophy
(Two hours per week.)
An introduction to the main themes and figures of Ancient Greek Philosophy.

Ancient History III

12.300 Egypt in Dynasties XI-XVII
(Three hours per fortnight.)
Syllabus as 12.220. A higher standard is expected. Students planning to advance to MA in Egyptian option must take 12.310 with this paper.

*12.301 The Neo-Assyrian Empire
(Three hours per fortnight.)
Syllabus as for 12.201. A higher standard is expected. Students planning to advance to MA in Mesopotamian option must take 12.311 with this paper.

12.310 Egyptian Language II
(Four hours per fortnight.)
Hieroglyphic writing and a study of more advanced documents of either Dynasty XVIII of dynasties V-XI.

*12.311 Akkadian Language II
(Three hours per fortnight.)
A selection of texts of the Old Babylonian period will be read in the original cuneiform. These will include letters from Mari and Babylonia and excerpts from the Hammurabi Law Stele. All materials supplied by the Department.

12.312 Political Theory and Practice in Imperial Athens
(Three hours per fortnight.)
A study of the causes of the tyrannies in the Greek city-states, the aims and methods of the tyrants and the reasons for their expulsion. The course will consider the 7th-6th century tyrants at the Isthmus of Corinth, in Jonia, and in Sicily, and the connections between tyranny and imperialism (collaboration and resistance), the tyranny in Athens, and the tyrants in Sicily and elsewhere in the later 5th and following centuries.

12.313 Individuals and the State in the Roman Empire
(Three hours per fortnight.)
Syllabus as for 12.213. A higher standard is expected. Students planning to advance to MA in Roman option must take 09.100, 09.102 with this paper.

*12.314 Historians of Rome
(Three hours per fortnight.)
Syllabus as 12.214. A higher standard is expected. Students planning to advance to MA in Roman option must take 09.100, 09.102 with this paper.
*12.320 Egypt in Dynasty XVIII
(Three hours per fortnight.)
Syllabus as 12.200. A higher standard is expected. Students planning to advance to MA in Egyptian option must take 12.310 with this paper.

†12.321 Mesopotamia in the 18th Century B.C.
(Three hours per fortnight.)
Syllabus as 12.221. A higher standard is expected. Students planning to advance to MA in Mesopotamian option must take 12.311 with this paper.

*12.322 Tyranny
(Three hours per fortnight.)
Syllabus as 12.222. A higher standard is expected. Students planning to advance to MA in Greek option must take 12.320, 10.100, 10.102 with this paper.

*12.323 Pax Romana
(Three hours per fortnight.)
Syllabus as 12.223. A higher standard is expected. Students planning to advance to MA in Roman option must take 12.320, 12.222. A higher standard is expected. Students planning to advance to MA in Greek option must take 10.100, 10.102 with this paper.

12.324 Historians of Greece
(Three hours per fortnight.)
A study of the Greek writers on Greek History; all writers will be studied in English. The authors will include Herodotus, Thucydides, Xenophon, Aristotle, The Old Oligarch, Polybius, Diodorus Siculus, Arrian, and Plutarch. This paper will be taught in alternate years (from 1987). Students planning to advance to MA in Greek option must take 10.100, 10.102 with this paper.

*12.332 Greece and Persia
(Three hours per fortnight.)
Syllabus as 12.202. A higher standard is expected. Students planning to advance to MA in Greek option must take 12.310 with this paper.

Ancient History MA and Honours
There will normally be two sets of four papers on historical topics, one paper in each option, alternating year by year. Papers on historical topics will normally carry associated papers in the ancient language relating to that topic. Candidates may choose to do seven papers, which includes a one-paper extended essay, or four papers and a three-paper thesis. Normally candidates will be required to take one paper with an associated paper of ancient language and two other papers without language in their first year, and one paper with an associated language paper and an associated research essay paper in their second, or the alternative three-paper thesis. Those with two language prerequisites for MA will be permitted to take two papers with two associated ancient language papers in first year. One or two papers at Stage III not taken for BA may be taken as substitute for MA papers, but these will not carry associated papers of language.

*12.400 The Jews in the Graeco-Roman World
A study of the political and social developments in Judaea and the Diaspora, together with their cultural and ideological implications, from the Conquest of Alexander the Great to the outbreak of the First Revolt against Rome.

*12.420 Associated Documents for Translation and Comment
†12.401 The Sumerians
This is a study of the people who created the first literate civilisation in Western Asia in the fourth and third Millennia B.C. and were responsible for major achievements in the field of art, architecture, literature and thought.

†12.411 Associated Documents for Translation and Comment
*12.412 Associated Documents for Translation and Comment
*12.413 Women in Ancient Greece
An historical study of women with reference to their treatment in law and literature (especially history), art and myth, and particular attention to the nature of the evidence.

*12.403 Roman Britain
*12.423 Associated Documents for Translation and Comment

*12.404 Egypt from Alexander to Augustus
A study of Egypt from 331 to 31 BC, focusing on government, society and religion under the Ptolemites.

*12.424 Associated Documents for Translation and Comment
*12.405 A Topic in the Economic History of the Ancient World
*12.425 Associated Documents for Translation and Comment
*12.406 Roman Imperialism: Motivation, Justification, Images of Empire
This course is concerned with ideas which motivated and justified imperial expansion under the Roman Republic.

*12.426 Associated Documents for Translation and Comment
*12.407 A Topic in the Intellectual History of the Ancient World

*12.427 Associated Documents for Translation and Comment
12.428 Origins and Nature of Roman Imperial Cult

*12.409 Medicine in the Ancient World
A study of medical knowledge and practitioners in the Near East, Greece and Rome, with special reference to the study of anatomy, the creation of an anatomical nomenclature and the career and social status of the physician.

*12.429 Associated Documents for Translation and Comment
*12.419 Babylonian and Egyptian Mathematics and Astronomy
No associated paper of documents is available.

12.421 The Neo Babylonian Period
The reconstruction of Babylon under Esarhaddon (681-669), its rise to imperial status under Nabopolassar and Nebuchadnezzar II, and conquest by Cyrus of Persia (539). Social and cultural themes will be included.

12.431 Associated Documents for Translation and Comment
12.422 Agesilaus of Sparta
The life and times of Agesilaus of Sparta, 396-360 B.C. A study of Spartan society and its relationship with other Greek States and with Persia in this period, based on the Greek sources (in translation).

12.432 Associated Documents for Translation and Comment
12.430 Social and Economic History of the Middle and New Kingdoms
A wide ranging study of specific facets of ancient Egyptian history in the period stated.

12.433 Associated Documents for Translation and Comment
12.440 Associated Documents for Translation and Comment
*12.450 Political History of the Ramesside Period
An examination of the history of Dynasties 19 and 20.

*12.460 Associated Documents for Translation and Comment
12.601 Thesis
(3 papers.)
12.603 Research Essay
(1 paper.)
The topic may be associated with the history paper and its associated documents taken in the second year of MA.

CLASSICAL STUDIES
Classical Studies I
73.110 Classical Mythology through Tragedy
(Half year paper, three hours per week plus weekly tutorial)
A study of the mythology of Ancient Greece and Rome through tragedy: Aeschylus, Sophocles, Euripides, Seneca.
A critical examination of concepts of development in their operating departments.

Course details and enrolment requirements are outlined in the departments, and a three paper thesis. With special permission they may substitute six papers and a research essay.

Development Studies and selected from not more than two and three others chosen from those listed in the Handbook of with the pre-requisites but who have worked in development.

Comparative Literature

DEPARTMENT OF ECONOMICS

For Economics prescriptions see Faculty of Commerce.

DEPARTMENT OF EDUCATION

Education I

14.100 Schooling, Education & Society
An examination of issues of race, gender and class in, essentially, a New Zealand context.

14.101 Introduction to Developmental Psychology
An introduction to human development.

Education II

†14.200 Comparative Education
Issues in New Zealand education viewed from a comparative perspective.

14.201 History of Education
The origins and early development of the modern mass educational system in the nineteenth century.

14.202 New Zealand Education
Issues and problems associated with the organisation, administration and practice of education in New Zealand.

14.203 Educational Psychology
An examination of learning theory, motivation and cognition, evaluation of individual differences and special education.

E14.204 Measurement and Evaluation in Education
Critical insights into the social and political contexts, and the skills required for measurement and evaluation.

†E14.204 Measurement and Evaluation in Education
As prescribed for 14.204. This paper is taught at Northland Polytechnic, Whangarei.

14.206 The Sociology of Education
An introduction to contemporary sociology of education.

*14.206 The Sociology of Education
As prescribed for 14.204. This paper is taught at Northland Polytechnic, Whangarei.

14.208 Educational Philosophy
An introduction to contemporary philosophy of education with an emphasis on ethics.

*14.209 Introduction to Methods of Research in Education
An introduction to techniques used in Social Science research.

†14.210 Introduction to Curriculum Studies
The analysis of existing curricula and proposals for curriculum change.

14.211 Child Development: Language Processes in Early Childhood
An introduction to the study of language development in infants and children, with particular emphasis on acquisition in home and early childhood education settings.

14.212 The State and Indigenous Education in the Islands of the Pacific including Aotearoa
An examination of the interaction of the State and the Indigenous peoples in the contested area of education and schooling.

Education III

A course of prescribed practical work, observational visits or special seminars will be associated with many Education III papers. Details of these requirements are available at enrolment. These will normally involve over the year about twenty-four hours of supervised work in laboratories and elsewhere and additional time for assignments.

14.300 Educational Philosophy
A study of selected educational philosophies.
14.301 Comparative Education
An introduction to comparative theory and methodology through a study of educational issues in New Zealand and other countries.

14.302 History of Education
Educational Reform in the twentieth century.

14.303 School and Society
A sociological perspective on some aspects of current concern in New Zealand education. These may vary from year to year.

*14.305 The Guidance Process
An introduction to the theory and practice of counselling and guidance within New Zealand educational institutions. A course of practical work must be completed concurrently.

14.306 Introduction to Counselling in the Community
An examination of the application of basic principles of counselling to the needs of individual children and adults and to couples, families and other groups.

14.308 Educational Psychology: A Behavioural Approach
A study of contemporary ideas and research in human learning and instruction. Topics will include the analysis of child and adult behaviour in school, home and residential settings.

14.309 Developmental Psychology
A study of selected aspects of infant and child development including the development of perception, cognition, language and problem solving.

Note: In 1995 this paper will be taught in part-time hours and in 1996 in full-time hours.

14.310 Psychology of Adolescent Development
A critical examination of development in the adolescent period, including career development.

14.311 Special Education
An examination of the special educational needs of children showing a typical development and of the effectiveness of current special educational strategies.

Note: In 1995 this paper will be taught in full-time hours and in 1996 in part-time hours.

14.313 Methods of Research in Education
An introduction to the varieties of qualitative and quantitative approaches available to educational and social researchers. Students will be able to gain practical experience through completion of a supervised research project.

*14.316 Early Determinants of Behaviour
A study of research dealing with the influence on later behaviour of variables operating prior to and shortly after birth.

*14.317 Organisational Effectiveness
A study of structural and interpersonal factors which influence the effectiveness of educational organisations.

Note: This course has special relevance to those with experience or interests in administration of educational social service or voluntary organisations.

14.319 The Reading Process
A study of contemporary ideas and research on the reading process.

14.320 Psychology of Learning and Motivation in the Classroom
A study of recent theory and research on children’s learning and motivation, particularly as they relate to the social context found in classrooms.

14.322 Adult Learning and Education
An introductory survey of Adult Education and an overview of adult human development.

14.327 Aspects of Science Education
An introduction to children’s learning in science, to issues in the philosophy of science relevant to the Science curriculum and to a range of other issues in the contemporary international debate concerning science education at primary and secondary level.

14.328 Feminist Perspectives in Education/Matauranga Wahine
A critical study of feminist theory and research in education, with emphasis on the New Zealand context. Includes a focus on traditional and contemporary Maori women’s knowledge.

E14.329 Pedagogy
An analysis of pedagogy for beginning educators to analyse critically their own practice so as to become "reflective practitioners".

14.330 The Seriously Ill Child
A study of the needs, problems, and development of seriously ill children.

14.331 Computers in Education
A study of the role of computers in primary and secondary education.

14.332 Akonga Maori: Nga Take E Pa Ana Ki Nga Akonga Maori
Critical analysis of key issues in Maori Education, incorporating Maori language and cultural perspectives through Maori pedagogy.

E14.334 Education Policy Studies
An investigation of key areas of educational policy with special emphasis given to issues of race, gender and class. While the major focus is on New Zealand education policy, international cases will be considered as appropriate.

*14.335 Historical Perspectives on the Family, School and Society
A critical analysis of the changing educative relationship between families and schools in particular societies, with emphasis on class, gender, race and age issues.

14.336 Special Topic: Issues in Pacific Islands’ Education
A critical examination of the role of Western education in the change from pre-contact autonomous societies to incorporation into a regional/world political and economic system.

14.337 Schooling and Ethnic Relations
Issues of ‘race’ and ethnicity in education including a critical examination of theories, structures and strategies such as ‘multicultural education’ and ‘anti-racist education’ as developed in New Zealand and elsewhere in response to ethnic diversity.

14.338 Special Topic

14.339 Special Topic

14.341 Introduction to Mathematics Education
This course considers mathematics education in New Zealand with an emphasis on its socio-political context, models of learning, curriculum issues, and assessment in mathematics learning.

14.370 Issues in Science, Technology, Society and Environment Education
This paper examines the complex interactions between science, technology, society and the environment. It provides a critical awareness of some of the major issues confronting human society, and considers ways in which an ecologically-oriented science and technology education can be implemented in primary and secondary schools. Major topics may include: health, land, water and mineral resources; food and agriculture; energy resources and consumption; industry and technology; biotechnology; information technology; ethics and social responsibility in science and technology.

Restriction: This paper is not available to students who have completed 14.270.

Education for MA and Honours
Four papers and a thesis (14.601) which counts as three papers or, six papers and a dissertation (14.604) which counts as one paper or, in exceptional circumstances a candidate who has commenced a thesis, or a dissertation may complete the MA as seven papers.

14.400 Educational Philosophy
Philosophical issues in education.

*14.401 Comparative Education
An examination of issues in New Zealand education in light of comparative theory and method.

14.402 Historical Studies in Education
An examination of issues involved in historical studies and research related to education, including supervised investigation of a selected aspect.

14.404 Sociology of Education
A systematic discussion of the origins, history, scope and methodologies of sociological thinking about education.

14.405 Education and Work
A theoretical and practical examination of selected economic, sociological and psychological aspects of the transition from school to work.
14.406 Educational Psychology
An advanced treatment of the behaviour of normal children with special reference to learning and the conditions which promote it.

14.407 Developmental Psychology
An advanced treatment of research in selected aspects of cognitive and personality development.

14.409 Methods of Research in Education
An advanced treatment of selected aspects of the processes of research.

14.412 Behaviour Analysis in Education
An examination of the application of behaviour analysis techniques to contemporary problems in education including supervised research and field experience.

14.413 Special Education
Prerequisite: 14.311 will normally be a prerequisite for this course.
An advanced study of special educational provisions for exceptional children, including an intensive analysis of provision for mentally retarded children.

14.414 Curriculum Development and Evaluation
A consideration of some issues concerning curriculum design and development, assessment of learning and curriculum evaluation.

14.416 Special Topic
To be Approved by Head of Department.
The topic to be proposed by the student after consultation with staff members and approved by the Head of Department. The topic must be approved not later than 31 December of the year preceding enrolment.

14.417 Special Topic in Adult Education
A more intensive examination of some of the matters introduced at Stage III papers in Adult Education.

14.419 Early Determinants of Behaviour
An advanced study of research dealing with the influence on behaviour of variables operating prior to and shortly after birth.

14.420 Special Topic
To be Approved by Head of Department.
Subject to be proposed by a staff member or a student, and approved by the Head of Department not later than 31 December of the year preceding enrolment.

14.421 Perspectives on Science Education
A study of concept development in science, the relationship between philosophy of science and science curricula and the factors that influence science curriculum change.

14.422 Education and Development Policy
An examination of the nature and role of education within the process of economic, political and social development in selected countries.

14.423 Kaupapa Maori: Te Reo Maori I Waengani I Te Ao Pakeha
An examination of the social, political and historical implications for Maori language through a critical analysis of the interaction between Maori language and the dominant Pakeha education system.

14.424 Maori Education Policy Development and Practice
Prerequisite: Experience in Maori education.
An analysis of Maori education policy development and practice in New Zealand schooling.

14.425 Feminist Issues in Education
An examination of selected issues in current feminist debates on education.

14.426 Science, Philosophy and Western Culture
The interaction between science and culture and the ways in which the rich cultural and intellectual dimensions of science can be conveyed in science, history and literacy education.

14.427 Research Topic in Education
The course will consist of the supervised writing of an essay or essays in a field of educational inquiry.

14.428 The Psychology of Mathematics Education
A critical examination of theories and recent research into the ways in which learners develop mathematical concepts, and the relationship of learning and teaching in this curriculum area.

14.429 Psychology of Reading
An advanced study of contemporary ideas and research on the reading process.
Note: Students who have taken 14.416 before 1994 may not enrol in this paper.

14.430 Educational Policy Studies
The paper will provide students with an advanced understanding of educational policy studies focusing upon the political economy of reform, the relation between educational reform and political ideologies, policy analysis, and evaluation, and selected topics in educational policy studies with an emphasis on New Zealand education.

14.431 Issues in Adolescent Development
An advanced study of the theories of adolescent development and a critical examination of research dealing with issues which affect development.

14.432 Psychoanalytic Perspectives on Education
A systematic examination of ways in which psychoanalytic theory can contribute to social analyses of New Zealand education.

14.435 Special Study
To be approved by Head of Department. Subject to be proposed by a staff member or a student, and approved by the Head of Department not later than 31 December of the year preceding enrolment.

14.436 International Issues in Indigenous Education
Prerequisite: Experience in indigenous Education contexts; interview with course co-ordinator. Applied critical studies of selected educational and schooling issues of international importance to indigenous peoples.

14.437 Tikanga Rangahau: Maori Perspectives on Research in Education
An examination of a range of issues related to educational research of Maori, by Maori and for Maori.

14.438 Cognitive Science and Science Education
This paper is intended to provide an introduction to the basic concepts in cognitive science in relation to science education and as an aid to developing a deeper understanding of how students learn science. In addition, the paper will provide an introduction to methods of investigating thinking processes and problem solving in science.

14.439 Methods of Psychological Inquiry in Literacy Research
A review of methods of psychological inquiry frequently used in literacy research. Examples of different methods of inquiry will serve as cases for analysis of the canons and assumptions underlying various research traditions.

14.440 Ethics and Education
The paper will provide students with an advanced understanding of education and ethics. This paper is currently offered as paper 29.505, Education and Ethics, which is part of the Diploma of Professional Ethics offered by the Philosophy Department.

14.441 Race, Ethnicity and Education
An examination of selected issues concerning race and ethnicity in education.

*04.401 A Topic in Maori Literature

*04.402 Maori Ethnicity

14.601 Thesis
(Value 3 papers.)

14.604 Dissertation
(Value 1 paper.)
A candidate presenting a thesis or dissertation shall forward it no later than 1 November in the year in which it is to be examined. A research seminar will be held periodically during the year for those preparing to write MA theses. A timetable for these seminars will be available at enrolment.
DEPARTMENT OF ENGLISH
Note: (i) Since the supply of text-books continues to be uncertain, some changes in courses may be unavoidable. Students will be notified of any such changes at the beginning of the academic year. The books mentioned in the appendix are prescribed books - i.e. those which students must have. Students should obtain from the department the fuller version of prescriptions and book lists, which include recommended books (i.e. additional to those prescribed); and also lists of further prescribed books which are required for those papers not mentioned in the appendix. All students should possess a good dictionary: Collins English Dictionary and the Concise Oxford are recommended.

(ii) Attention is directed to the MA prerequisites as set out in the Regulations for that Degree. Students intending to take MA in English should plan their course with these requirements in mind.

English I
Detailed descriptions of all papers and departmental regulations are listed in Starting English available from the Department. To advance to English II two English I papers must have been passed. These may be a combination of papers taught on the Main and Tamaki campuses. Some English II papers have specific English I paper prerequisites (see Schedule). Students intending to take 18.200 are advised to take 18.100. In addition to lectures (see Timetable), all courses have weekly tutorials arranged in the Department in the first week of Term I.

18.100 Introduction to Chaucer and Shakespeare

18.101 Twentieth Century Literature

18.103 New Zealand Literature I

18.103 New Zealand Literature II
As prescribed for 18.103. This paper is taught at the Auckland College of Education. It is limited to candidates for the Degree of Bachelor of Education.

18.104 Nineteenth Century Literature

18.105 Introduction to the Linguistic Study of English
An introduction to the major areas of descriptive linguistics (phonetics, phonology, morphology, syntax and semantics) as applied to the structure of English.

T18.106 English Linguistics: An Introduction
A linguistic introduction into the structure and use of the English language. Topics include the sound system, sentence structure, semantics, pragmatics and the analysis of spoken and written discourse.

T18.107 Poetry, Prose and Drama: Past and Present
This paper is taught at the Tamaki Campus.

T18.108 Children's Literature
This paper will start by offering a historical and critical survey of children's literature in English from the eighteenth century. It will end by focusing on writing for New Zealand children, including works by Maori and Pacific Island writers.

English II
Detailed descriptions of all papers and departmental regulations are listed in the Undergraduate English Handbook available from the Department. Students may choose a combination of papers taught on the Main and Tamaki Campuses. To advance to English III three English II papers from specific groupings of papers must have been passed. Papers from the same specified groupings must be taken by students enrolling in more than two English papers. See BA Schedule under English: Qualifications and Notes. Each paper involves at least one lecture per week (see Timetable) with tutorials arranged within the individual papers.

18.200 Medieval Literature

18.201 Language, Literature and Culture
An examination of the linguistics aspects of prose and poetry - both historical and modern - language and gender, language and power, speech act theory, discourse analysis and sociolinguistics.

18.206 Language Variation and Change
An introduction to geographical and social variation in language, the relation of variation to long-term historical trends, types of language change, language contact, language families, and comparative reconstruction.

Note: This paper is also taught as 83.206.

18.207 English Linguistics II
An introduction to syntactic and phonological theory in relation to English.

T18.208 The English Language World Wide
An overview of issues as they relate to the use of English in the world today. Topics include the roles of American and British English, attitudes towards varieties of English, the development of new Englishes and English based pidgins and creoles, and the notion of a 'standard' variety of English.

18.210 The Age of Shakespeare: Poetry

18.213 The Age of Shakespeare: Tragedy

*T18.218 Shakespeare to Conrad: Empire and the Other

18.220 Twentieth Century Fiction

18.221 New Zealand Literature II

18.222 Modern Poetry: 1900-1945

T18.228 New Zealand Literature: Texts and Contexts

18.250 English Language for Teachers

18.303 Linguistic Analysis of Literature

18.304 New Zealand English

18.305 Semantics and Pragmatics

18.306 Literature and Culture of the Eighteenth Century

18.307 Romantic Literature

*18.308 Eighteenth Century Novels

18.310 Shakespeare: Selected Plays
For 1995: Comedies

*18.314 Sixteenth and Seventeenth Century Prose and Poetry

18.315 Sixteen and Seventeenth Century Drama

18.316 English Linguistics III
A continuation of the study of formal and functional syntax which was introduced in 18.207. Students will also be introduced to the study of morphology.

*18.317 Sociolinguistic Variation in English
This paper will examine sociolinguistic variation in English. It covers sociolinguistic theories and methodologies, and provides an overview of variation studies. Students will research language variation in the Auckland area.

18.319 The History of Literary Criticism

18.320 Victorian Literature

18.323 American Literature: Poetry

18.325 Novels from the Post-Colonial World

18.326 Women Writers of the Twentieth Century

18.327 Australian Literature
18.328 Creative Writing
Entry to this paper is restricted. Details for the procedure to be followed for pre-enrolment are available from the Department.

18.331 Shakespeare on Screen
Entry to this paper is restricted. Information is available from the Department.

18.332 Aspects of Twentieth Century Drama
18.333 New Zealand Literature III: Selected Topics
This paper concentrates on selected topics in New Zealand literature and cultural studies. Topics may include studies of a particular author, period, or genre, or may aim to examine aspects of New Zealand literature in relation to history, politics, intercultural relations, or other arts.

*18.334 Literary Criticism and Theory: An Introduction
This paper will examine major movements in modern literary criticism and literary theory with particular reference to colonial and post-colonial discourses.

T18.335 Colonial and Post-Colonial Writing in the Pacific
This paper concentrates on selected writings related to the cultures of the Pacific, including both European perceptions of the Pacific in the 18th and 19th centuries, and contemporary fiction and poetry in English by Pacific writers.

*18.340 Special Topic
1995: Language Acquisition
A critical survey of recent theories of language acquisition, research into language acquisition, and the relationship between language acquisition and theoretical linguistics.
Note: The same paper is taught as Linguistics 83.301.

18.341 Linguistic Essays Paper
Students will undertake supervised research which will be presented in essay form without a final examination.

18.342 Conversational Analysis
The organisation of conversation as an interactive activity.
Note: The same paper is offered as Linguistics 83.313 and 83.407.

*18.343 Sociolinguistics
The interrelationship between linguistic variation and social structure.
Note: The same paper is offered as Linguistics 83.314 and 83.402.

*18.350 Special Topic
*18.351 Special Topic

English for MA and Honours
Intending MA students must consult the Head of Department about their proposed choice of courses.

(1) Single Honours - English
Students will select seven of the papers set out below, their selection of papers to be approved by the Head of the Department. One paper listed under Stage III English, if not already credited for a BA degree, may be offered as a paper for an MA. With the permission of the Head of Department, a thesis (18.601) may be substituted for two papers or dissertation (18.604) for one paper. The dissertation will normally take the form of a documented essay of about 12,000 words; while the length of the thesis is approximately 25,000 words upon a topic requiring detailed research. Candidates who present their papers in two years or, in special circumstances, three years are required to complete the specified coursework before sitting the examination for each paper. Those who present all their papers in one year are, in most cases, exempt from coursework but will be given the opportunity to submit it if they desire. All students taking a paper from English III will be required to submit the prescribed coursework for that paper.

*18.400 Old English
Prerequisite: Old English at Stage III level.

*18.401 Middle English
Prerequisite: Normally Middle English at Stage III level.

*18.402 Norse (Icelandic)
Prerequisite: Normally Old English at Stage III level.

*18.403 Introduction to English Philology
Prerequisite: Normally Old English and Middle English at Stage III level.

*18.404 Victorian Studies
An interdisciplinary paper concerned with selected topics from English literature and British social and cultural history of the 19th Century.

18.405 Twentieth Century Poetry
18.406 Shakespeare: Selected Plays and Poems
18.407 Literary Theory
18.408 Advanced Studies in Syntax
An advanced level of study of a number of syntactic topics of current interest to linguists.
Note: The same paper is taught as Linguistics 83.405

18.409 Twentieth Century Drama
18.410 English Linguistics: Advanced Semantics and Pragmatics
A continuation of the theories and topics introduced in 18.305 Semantics and Pragmatics.
Prerequisite: 18.305 Semantics and Pragmatics
Note: The same prerequisite 18.305 paper is taught as Linguistics 83.406

18.411 Selected Author or Authors I
1995: Chaucer
Prerequisite: Middle English at Stage III level.

*18.412 Bibliography and Textual Criticism
18.413 Research Essays Paper
This paper consists of research in a field or genre proposed by the student written up in the form of a series of essays. It is compulsory for students presenting seven papers in one year and not presenting a dissertation.

*18.414 Selected Author or Authors II
18.415 Nineteenth Century American Prose and Fiction
18.416 Poetics in Modern American Poetry
18.417 New Zealand Literature
The paper will be based mainly on authors of prose and verse writing after 1910.

18.418 Restoration Literature
18.419 Special Topic I
1995: Literature and Society 1375-1550
18.420 Film Studies
This inter-departmental paper - shared by the Departments of English and Art History - will examine film as an art by studying the work of some major film-makers and also the major theories of film criticism.
Note: The same paper is offered as Art History 19.404.

*18.421 Literature and Thought 1590-1650
A paper in which literature is studied in relationship to the history and religion of the time.

*18.422 Literature from the Old and New Commonwealths
18.423 Twentieth Century American Prose
18.424 Selected Author or Authors III
18.425 A Topic in Sociolinguistics
Note: The same paper is offered as Linguistics 83.314 and 83.402, as well as English 18.343.

*18.426 The Sublime 1700-1805
*18.427 Special Topic III
1995: Women and the Medieval Devotional Tradition
18.429 Discourse Analysis
A study of the structure of naturally occurring texts.
Prerequisite: 18.305
Note: The same paper is taught as 83.401.

18.430 Nineteenth Century Women Novelists
18.431 Feminist Literary Theory
18.432 Popular Fiction
18.433 New Zealand and Australian Women Writers
18.434 Irish Literature and Polities
18.435 Narrative
This paper studies narrative in various eras, cultures, modes and media.
18.436 Pacific Literature
This paper studies the oral and written literatures of the Pacific (Polynesia, Melanesia and Micronesia, including the Tangata Aborigine of Australia), most particularly the literature in English by indigenous writers, and how these are related to other New Literatures in English.
*18.441 Historical Linguistics
This paper will discuss current attempts to account for and analyse language change. Such topics as lexical diffusion, glottochronology and lexicostatistics, teleology, and grammaticalisation will be covered.
Prerequisites: 18.207 or 18.316

Note: The same paper is taught as Linguistics 83.403.

*18.450 Special Topic
18.451 Special Topic
18.601 Thesis
(Equivalent of two papers.)
18.604 Dissertation
(Equivalent of one paper.)

(2) Combined Honours - English with Another Language
(Languages and Literature)
Students will select three or four papers (set out above for Single-Honours) as approved by the Heads of Department concerned.

ENGLISH WRITING FOR ACADEMIC PURPOSES
T401.101 English Writing for Academic Purposes
A skills based analysis of texts written for academic purposes. Topics include essays of compare and contrast, argumentative essays, and problem - solution texts.

FILM AND TELEVISION STUDIES
85.200 Film and Television Studies
This paper will examine film and television in terms of their cultural and social importance. It covers the history, political significance, and critical reception of the two media.
Entry to the paper is restricted. Course details, including details of pre-enrolment are available from the English and Political Studies Departments.

*85.300 New Zealand Film and Television Production
This paper will seek to identify the distinctive features of film and television production in New Zealand through a close examination of particular films and television programmes. The two media will be examined within their social, political and economic contexts.
Entry to the course is restricted. Further details are available from the English Department.

85.301 Video Production
This paper will introduce students to all aspects of video production- from scripting to editing. Students will be expected to use critical and analytical skills to examine traditional media representation and to create alternative film and video forms. Despite the emphasis on practical skills, the paper will have a large theoretical component and will be non-vocational. Entry to the paper is restricted. Further details are available from the English Department.

DEPARTMENT OF GEOGRAPHY
The Schedule to the Course Regulations for the Degree of BA should be consulted for pre and corequisites.

Geography I
Two papers are offered on each campus for Geography I. They may be taken separately or together, but students planning to advance in geography should enrol in both. For Stage II prerequisite purposes, the different campus offerings are interchangeable. Practical work and tutorials form an integral part of all four papers, and participation in these is required. A list of recommended books for each course is included in the departmental Student Guide available from the Geography Department Office.

20.102 Geography of the Human Environment
An introduction to contemporary social, cultural, political and economic processes impacting upon and shaping the human environment. Topics include: indigenous development, migration flows, economic change in industrialised countries, global environmental issues and resource use and management.

20.151 Geography of the Natural World
An introduction to general principles and issues of contemporary physical geography. Emphasis is on the structure and dynamics of climatic and earth surface processes and the flow of energy and water through natural environmental systems. Relationships with human activity are also considered.

20.152 Geography and Human Affairs
Integration of environmental, economic and social processes as they impact on the spatial patterns of human development and resource use at regional, national, and international levels.

Geography II
Seven papers are offered for Geography II. Students planning to advance in geography must enrol for 20.204 and at least two of 20.201, 20.202, 20.205, 20.251, 20.252 or 20.255. Alternatively, the combination of 20.151, 20.252 and 20.255 is considered to be a suitable prerequisite for Geography III.
In addition, students must be aware of specific prerequisites for Stage III papers in geography, for which these papers are considered to be equivalent: 20.201 and 20.251; 20.202 and 20.252; 20.205, 20.205 and 20.255. Students advancing in other subjects may take papers separately. A list of recommended books for each course is included in the departmental Student Guide available from the Geography Department Office.

20.201 Processes in the Natural Environment
Environmental processes in biogeography, climatology, geomorphology and hydrology.

20.202 Society, Economy and Environment
This paper examines the core principles in human geography. Topics include: social and economic development, environmental management and planning, spatial interaction, the social geography of the city, and the location of economic activities.

20.204 Geographic Data Analysis
An introduction to a range of techniques employed in geographical analysis, focusing on data analysis and display. The paper covers statistical analysis, instruction in the use of computer applications (including SAS), cartography, introductory geographic information systems (GIS), global positioning systems (GPS) and remote sensing.

20.205 Environmental Processes and Management
To provide students with a foundation for understanding environmental decision making, relevant factors such as physical environments, institutional settings, socio-economic factors and cultural attitudes are considered. The importance of considering the physical and human dimensions of environmental management issues is demonstrated through case studies.

20.251 Earth Surface and Atmospheric Processes
A study of natural processes operating in climatic, hydrologic, geomorphic and biotic systems. Emphasis is on the role of water and energy in earth surface and atmospheric processes. Relationships with human activity are also considered.

20.252 Society and Environment
This paper explores the integration of environmental, economic and social processes and how these find expression in different patterns of human activity. Change and the processes which generate change including environmental, political, cultural and economic forces provide a unifying theme. How change impacts on people in different ways is examined using appropriate geographical ideas and theories.

20.255 Human Impact in the Environment
Perspectives on the role of people and society in environmental change. Economic, sociological, behavioural, political, biological and physical topics are explored within this theme.
Geography III
Sixteen papers are offered at Geography III. Students majoring in Geography must take at least three Stage III papers (but note the requirements for entry to a MA/MSc in Geography), and must include at least one of 20.315, 20.330 and T20.353. Students advancing in other subjects may take papers separately. Each paper will involve at least two hours of lectures, seminars, or laboratory work per week, but students must also attend such additional practical work and fieldwork as may be required. A list of recommended books for each of the papers is included in the departmental Student Guide available from the Geography Department Office.

20.302 Regional Processes and Development
This paper examines economic, social and political processes underpinning recent transformations in the global economy. Debates concerning the transition from Fordism to post-Fordism and Flexible accumulation are examined in conjunction with an analysis of the role of firms, industries, nation-states, and supra-national organisations in changing the character of region.

20.305 Population, Health and Society
Components of change in human populations (fertility, mortality, migration), population structure (sex and age, ethnicity, economic activity) and population distribution (urbanisation, segregation, regional development), patterns of health and morbidity, and systems of service delivery.

20.312 Development in the Asia-Pacific Region
Development processes and issues in the countries of South-East Asia and the Pacific Islands. Themes include development theory, colonialism and historical change, population dynamics, agriculture, migration, urbanisation, international linkages, and development strategies.

*20.313 Advanced Analytical Methods in Geography
An introduction to multivariate statistical methods and their application to model building and systems analysis.

20.314 Geographic Information Systems
Principles, techniques and applications of geographic information systems, including computer analysis and presentation of cartographic and remotely sensed data.

20.315 Research Design and Methods in Human Geography
A lecture, practical and field course which considers the principles of research design, methods and practice of data collection, sources of published and unpublished data, experience in analytical techniques and the presentation of results. The paper includes a residential field course of at least seven days normally held in the first week of the May study break.

20.317 Remote Sensing and Image Analysis
Introduction to the techniques with which geographic variables are measured from aerial photographs. Principles of remote sensing. Characteristics, interpretation and applications of satellite, thermal infra red and radar imagery. The various aspects of digital processing of remotely sensed data by computer.

20.320 Resources and Environmental Management
This paper provides an understanding of key concepts, methods, processes and practices in environmental management and natural resource use and allocation. Emphasising institutional and socio-economic perspectives, environmental issues are examined at local, national and international scales.

20.321 Geography of the Maori
The Maori people - the patterns and processes involved in their early migrations, settlement patterns, demographic trends, the diffusion of war (guns) and peace (Christianity). Their relationship with the land and the environment; economic, social and resource development. An approach emphasising Maori perspectives and an experimental component to methodology will be used.

Note: The same paper is taught as Maori Studies 04.318.

20.322 Geography of East Asia
A topical and regional approach to the geography of China, Korea and Japan. The unity and diversity of East Asia, environment and cultural development, industrialisation and urbanisation, population problems, and environmental management are emphasised.

20.330 Catchment Processes and Research Methods
An advanced examination of selected environmental processes and research methods relevant to catchments. A substantial component of the course focuses on research methods, instrumentation and techniques. This paper includes a residential field trip.

20.331 Topics in Physical Geography A
Two elective modules from a series of topics in physical geography (see department for details).

20.332 Topics in Physical Geography B
Two additional elective modules from a series of topics in physical geography (see department for details).

T20.351 Coastal and Marine Geography
An advanced course in physical/environmental geography which focuses on natural processes operating in coastal and marine environments. This provides a basis for discussion of coastal zone management issues, the organisation and structure of coastal and marine economic activities, social and environmental concerns and policy framework development.

T20.352 Environmental Geography
This paper is oriented to understanding people's interactions with the environment from a multidisciplinary perspective. The role of environmental knowledge is examined from perspectives and approaches that include ecology, political economy, technology and history. Emphasis is placed upon understanding the role of grass roots organisations, poverty, and underdevelopment within an environmental framework.

T20.353 Field Studies in Geography
This paper is designed to integrate the natural and human aspects of geography in applied situations. Emphasis is on the design of fields experiments, techniques for data collection, analysis and presentation of results.

Geography for MA and Honours
[Four papers and a thesis (20.601)]
A candidate is expected to enrol for and sit four papers in the first year, present the thesis (which is the equivalent of three papers) in the year next following and submit it for examination by 1 November of that year. Papers shall be selected from 20.400 to 20.447. Further information (including recommended books) is included in the Student Guide available from the Geography Department Office.

There is an overall limit on the number of Masters students for 1994. Students should consult the Graduate Adviser as soon as possible after the completion of the Bachelors Degree in order to discuss the graduate programme.

*20.400 History and Nature of Geography
20.410 Change and Transition in the Pacific
The patterns and processes of island bio-physical environments, population, economic organisation and resource use.

20.420 Biogeography
Analysis of theories and quantitative methods in biogeography.

20.421 Climatology
Topics in environmental climatology and climate resource evaluation.

20.422 Geomorphology
An analysis of major ideas in systematic and regional geomorphology, with a focus on the S.W. Pacific and New Zealand.

20.424 Hydrology and Fluvial Geomorphology
Pure and applied aspects of hydrology and fluvial geomorphology, incorporating field and laboratory techniques.

20.430 Land Use Studies
The role of natural resources, the state and economic and social forces in influencing the use of land in rural and urban areas of developed economies.

20.431 Cultural Geography
Cross cultural themes in the study of people - nature relationships.

20.432 Regional Development Studies
Studies of regional economic growth and restructuring, focusing on development models and contemporary events in the global economy.
20.434 Population Geography  
Analysis and applications of the methods and materials of demography.

20.436 Urban Social Geography  
Emphasis is on the social processes that underlie spatial patterns of Western (particularly New Zealand) cities.

20.440 Remote Sensing  
An advanced study of remote sensing applications involving analysis of a range of recent imagery and data.

20.441 Coastal Studies  
Topics in historical coastal geomorphology and coastal management with process as the unifying theme.

20.442 Evaluation in Environmental and Resource Planning  
An examination of methods for the evaluation of resource development proposals.

20.443 Digital Mapping Systems  
The study of computer assisted cartography with special reference to its role in Geographic Information Systems in New Zealand.

20.444 Special Topic  
1995: The Geography of the Built Environment  
An analysis of the socio-economic processes shaping the evolution of built environments.

20.445 Special Topic  
20.446 Special Topic  
20.447 Special Topic

DEPARTMENT OF GERMANIC LANGUAGES AND LITERATURE

The Department teaches three subjects: Dutch, German and Scandinavian Studies.

More detailed information is contained in the Departmental Handbook and in the Handbook of the Faculty of Arts, both of which are available from the Enquiries Office, Registry. Further information may also be obtained from the Secretary at 10 Grafton Road.

In all courses taught in the Department the candidate’s performance during the year, in particular in assignments and class tests, will be taken into consideration when the final result is determined.

All students are strongly recommended to take either 18.105 Introduction to Linguistic Study of English or 83.102 Introduction to Descriptive Linguistics in their first year of study, especially if they are intending to advance their language studies.

DUTCH

Dutch I  
Students may enrol without previous knowledge of the subject. Paper 421.102 may be taken on its own.

421.100 Language Acquisition  
Oral and written use of Dutch, tested in some or all of the following ways: composition, comprehension, conversation, dictation, reading, translation.

421.102 Aspects of the Civilisation of the Low Countries  
An introduction to Dutch and Flemish culture, past and present, in the European context. This paper is open to all interested students, whether or not they are studying Dutch language and literature. The paper is strongly recommended to all students of Dutch.

Dutch II  
421.200 Language Acquisition  
Written and oral use of Dutch with special emphasis on the structure of the standard language, tested in some or all of the following ways: composition, comprehension, conversation, dictation, reading, translation.

421.202 Dutch Colonial History and Literature  
Major works of Dutch colonial literature will be studied in translation and set in the historical context of the development of the Netherlands as a colonial power, with special emphasis on the Indonesian archipelago. This paper is open to all interested students, but strongly recommended to students of Dutch and Indonesian.

421.300 Language Acquisition  
Advanced written and oral use of Dutch with special emphasis on the standard language, tested in some or all of the following ways: composition, comprehension, conversation, dictation, reading, translation.

GERMAN

German I  
Two language acquisition courses are provided, either 22.100 or 22.103 and 22.105. Students who have studied German previously must enrol for 22.100. Students without previous knowledge of German must enrol for 22.103 and 22.105.

Papers 22.100 and 22.101 and papers 22.103 and 22.105 are corequisites. See BA Schedule.

22.100 Language Acquisition  
Written and oral use of German tested in some or all of the following ways: composition, comprehension, conversation, dictation, reading, translation.

22.101 Introduction to German Literature  
Literary history and criticism with special reference to modern poetry and short prose.

22.102 Aspects of Modern German Civilisation  
A survey of modern German civilisation including aspects of 19th and 20th century German history, thought, literature (studied in translation), music, art and cinema. This paper is open to all interested students, whether or not they are studying German language and literature. The paper is strongly recommended to students of German at all stages.

22.103 Reading Knowledge of German  
The study of German vocabulary and sentence structure; comprehension of general and subject-related texts and translation into English.

22.105 Introductory Language Acquisition  
Written and oral use of German designed specifically for students without previous knowledge of the language.

German II  
Papers 22.200, 22.202 and 22.203 are corequisites. See BA Schedule.

22.200 Language Acquisition  
Written and oral use of German tested in some or all of the following ways: composition, comprehension, conversation, dictation, reading, translation.

22.202 Genres of 20th Century German Literature  
Literary criticism with special reference to drama; aspects of 20th century drama, prose and poetry with reference to the visual arts, including film.

22.203 German Linguistics  
An introduction to the linguistic study of the structure and use of the standard language in the German-speaking countries.

German III  
Students will normally take 22.300, 22.301 and 22.302. 

22.300 Language Acquisition  
Written and oral use of German tested in some or all of the following ways: composition, comprehension, conversation, dictation, reading, translation.

22.301 Medieval German: Goethe’s Faust  
An introduction to the German Middle Ages and to Middle High German language and literature with special emphasis on the work of Hartmann von Aue; textual analysis of Goethe’s Faust Part One.

22.302 18th and 19th Century German Literature  
Literary criticism of selected major works of German literature of the eighteenth and nineteenth centuries.

*22.303 Post-war German Literature  
22.350 Translation  
The theory, practice, and critical evaluation of translation, principally of texts translated from German into English.
German for MA and Honours

Four papers and a thesis (22.611) or six papers and a research essay (22.603) are required for German in MA Schedule (13), and for Languages and Literature including German in MA Schedule (19). All courses need to be approved by the Head of Department. Students intending to enrol for MA must consult the Head of Department towards the end of the previous year to discuss their choice of papers and to obtain advice on vacation reading.

22.400 Language Acquisition: Written and Oral German
Advanced study of the oral and written use of German, including its use in literature and the media; composition, conversation, comprehension, translation and oral presentation.

*22.401 Mediaeval German I
A study of Middle High German language and literature with special reference to twelfth century texts and the Nibelungenlied.

*22.402 Mediaeval German II
A study of Middle High German language and literature with special reference to the work of Wolfram von Eschenbach.

*22.404 Literatur der Goethezeit
A study of German drama from Lessing to Kleist.

*22.405 The Poetry of Rilke
An intensive and comprehensive study of Rilke’s Duino Elegies.

*22.407 Selected Works of Brecht

22.408 Post-war German Prose
A study and literary analysis of prose works by prominent post-war German authors.

*22.410 Linguistic Analysis of Contemporary Written German

22.411 The Märchen
A textual and comparative study of the literary genres of the Volksmärchen and Kunstmärchen.

*22.413 Selected Works of Thomas Mann
A study of the background to and a textual analysis of key novels and Novellen by Thomas Mann.

*22.415 German Language Developments
Trends and tendencies in the modern standard language, especially vocabulary, studied in the context of their historical development.

*22.417 Twentieth Century German Poetry


22.419 An Approved Special Topic in German Literature

22.420 An Approved Special Topic in German Language or Literature

22.421 Literatur und Film
German writers working with film as a medium.

*22.422 German Lexicography
The principles and practice of German lexicography as illustrated by leading historical and/or present-day German dictionaries of various types.

22.423 An Approved Special Topic in German Language or Literature

22.424 An Approved Special Topic in German Language or Literature

22.440 An Approved Special Topic in Germanic Languages, Literature, Thought or History

22.603 Research Essay
(Equivalent to one paper)

22.611 Thesis
(Equivalent to three papers)

SCANDINAVIAN STUDIES

Scandinavian Studies I
Students may enrol without previous knowledge of the subject. Paper 46.101 may be taken on its own, papers 46.100 and 46.102 must be taken together - see BA Schedule.

†46.100 and †46.102 Language Acquisition 1 and 2
Oral and written use of Swedish, tested in some or all of the following ways: composition, comprehension, conversation, dictation, reading, translation from and into Swedish. These two papers must be taken together.

†46.101 Aspects of Scandinavian Civilisation
An outline of Scandinavian history, geography and society; selected works of modern Scandinavian literature studied in English translation. This paper is open to all interested students, whether or not they are taking 46.100 and 46.102 or advancing Scandinavian Studies. The paper is strongly recommended to students of Scandinavian Studies at all stages.

Scandinavian Studies II
Papers 46.200 and either 46.203 and 46.204 or 46.205 and 46.206 are corequisites - see BA Schedule.

46.200 Language Acquisition
Oral and written use of Swedish, tested in some or all of the following ways: composition, comprehension, conversation, dictation, reading, translation from and into Swedish.

*46.203 Modern Swedish Novels and Short Stories
A study of selected post-war Swedish novels and short stories.

*46.204 Swedish Poetry from Mediaeval Ballads to the Present Day.
The development of Swedish poetry from the medieval ballads to the present day.

46.205 Swedish Film
The history of Swedish Film, with special emphasis on Ingmar Bergman.

46.206 Introduction to Scandinavian Drama
The development of Scandinavian Drama, with special emphasis on Ibsen and Strindberg.

Scandinavian Studies III
Papers 46.300 and either 46.303 and 46.304 or 46.305 and 46.306 are corequisites - see BA Schedule.

46.300 Language Acquisition
Advanced oral and written Swedish; comprehension of written Danish and Norwegian (“Bokmål”).

*46.303 Modern Scandinavian Novels and Short Stories
A study of selected Danish, Norwegian and Swedish short stories and novels after 1940.

*46.304 Scandinavian Poetry from Mediaeval Ballads to the Present Day.
A study of selected Danish, Norwegian and Swedish poems from the medieval ballads to the present-day.

46.305 Scandinavian Film
The history of Scandinavian Film, with special emphasis on Dreyer, Sjöberg, Bergman, Troell and Bille August.

46.306 Scandinavian Drama
The development of Scandinavian Drama, with special reference to Holberg, Ibsen, Strindberg, Lagerkvist and Lars Norén.

HEBREW

Hebrew I
23.110 Introduction to Biblical Hebrew
The basic skills of listening to, speaking, writing and reading of Biblical Hebrew.

DEPARTMENT OF HISTORY
Fuller details concerning the Department’s teaching programme and its requirements of students are contained in a Guide which students can obtain from the Department at 5 Wynyard Street. Students are advised to call at the Department before enrolment to discuss courses and to obtain the Department Handbook.

History 1
Note: Papers are taught on a half-year basis, with three lectures and one tutorial per week for each. The following will be the sequence in 1995: 24.100-24.109; 24.101-24.107; 24.105-24.140; 24.122-24.123; 24.151-24.150.

Second half year papers will start in the week beginning 19 June. Should their timetable permit, students may take asingle paper, or two or more papers from different sequences.

24.100 From Versailles to Pearl Harbor: Issues of Peace and War
The origins of the Second World War in Europe and Asia. The course examines the challenges Germany and Japan presented to the status quo and considers the outcome.
24.101 The Russian Revolution
The origins of the 1917 revolution and the development of the Soviet state and society to 1964.
Paper 43.112 Russian Civilisation is complementary to 24.101

24.105 The USA in the 20th Century
An introduction to U.S. history from the 1890s to the end of the Cold War. Emphasis on the U.S. as a global power, race, the constitution, and cultural issues.

24.107 Women in New Societies
The social, economic and political history of women in the USA, New Zealand and Australia. Special themes will be women's domestic and family role, the changing work of women, the education of women, the women's rights movement and women's participation in social reform movements.

24.109 Special Topic: A topic in Modern European History

24.122 New Zealand and its Peoples: Maori and Pakeha in the Nineteenth Century
Te Ao Hurihuri, the world turned around. A history of a Maori world, settled by Europeans; the evolution of a colonial economy, political system, and society.

24.123 New Zealand and its Peoples: Maori, Pakeha and Polynesian in the Twentieth Century
Te Ao Hou, the new world. A history of New Zealand's development in the twentieth century, with particular reference to Maori and Pakeha, the growing relationship with the Polynesian Island communities, the evolution of a modern society, economy and government, and international relations.

24.140 Europe in the Age of Kings and Queens 1450-1700
An introduction to the history of late medieval and early modern Europe, with emphasis on the development of European states and changes in habits of thought, social order and life styles.

*24.141 Europe in the Age of Revolution 1750-1875
T24.150 Invention, Science and Society
This course will examine the impact of science, invention and technology across a range of societies and cultures since the eighteenth century.

T24.151 New Zealand and the Wider World
This course will focus on New Zealand's economic, trading, environmental and technological development and its relationships with the wider world from the time of earliest discovery up to the present day.

Asian History I
Note: Papers 24.130 and 24.134 will be taught in sequence on a half-year basis with three lectures and one tutorial a week for each. 24.133 will be taught throughout the year, three lectures and a tutorial each fortnight.
Second half year papers will start in the week beginning 19 June. Should their timetable permit, students may take a single paper, or two or more papers from different sequences.

24.130 China Since the Opium War
The collapse of Imperial China under the impact of foreign imperialism and internal upheavals and the subsequent struggle to rebuild a modern nation.

24.133 The Development of Modern Japan
Offering some explanations for the rise of Japan as a major world power, the paper first discusses the feudal order in Tokugawa Japan and the policy of seclusion. The next section analyses the transition to a unified nation state and the opening of Japan to the West. The third section deals with the modernisation of Japan, its expansion into East Asia and the Pacific, the American occupation, and the reconstitution of the political order after 1945.

24.134 Themes in Southeast Asian History
This paper offers students an introduction to some of the most important themes running through the history of Southeast Asia from the birth of culture to the politics of the contemporary nation state.

History II
Second half year papers will start in the week beginning 19 June. Should their timetable permit, students may take a single paper, or two or more papers from different sequences.

24.200 Rome and the Barbarians
Can we still talk about the 'decline and fall' of the Roman Empire? Does the period witness the collapse of a 'slave economy' and the beginnings of medieval 'feudalism'? Were the 'barbarians' marauders, colonists, or refugees? Were they welcomed into the Mediterranean world by a selfish and skilful aristocratic elite? What was the resulting impact upon Roman institutions, culture and economy?

24.201 Medieval English Kingship from Alfred to Henry III
Studies in the development of royal power in England from the Anglo-Saxon period until the thirteenth century.

24.214 Parliaments, Estates and Revolutions 1500-1660
A study of representation and consent in early modern Europe and of the parliamentary assemblies which were the embodiment of these principles. The course falls into two parts: (1) a study of individual assemblies and their varying fortunes, e.g. dramatic rise of the Swedish Riksdag, weak and dependent assemblies in France, Castile and Ireland; the English parliaments; (2) a comparative study of the rise, decline or eclipse of European assemblies, and particularly of their role in the crises of the mid-seventeenth century.

24.215 Seventeenth-Century England: A Social History
This course attempts to recapture the material, mental and social worlds of seventeenth-century England: social and gender divisions, family life, communities, education and literacy, witchcraft, plague, government and order, religion, and the impact of the English Revolution of 1640-60.

24.217 Special Topic

24.218 A Social History of European New Zealanders
This paper introduces students to major aspects of the social development of European society in New Zealand. It will discuss aspects of society such as family, work, education, sport, religion and the debates on issues such as the demographic transition, the nature of community life, moral reform and social purity.

24.219 Special Topic

24.230 Polynesian and European Exploration of the Pacific
European exploration of the Pacific and theories on the origin and migrations of Polynesians, including Maori voyages to New Zealand.

24.233 Australian Social History 1788-Present
This paper surveys the history of Australia from European settlement to the present. It focuses on the lives and experiences of ordinary Australians, as well as providing an overview of the major political and economic developments across two centuries.

24.235 German History 1871 to the Present
The unification of East and West Germany has once again raised fundamental questions about this "restless nation". This paper on German history will discuss the problems of its specific development, its political and cultural identity and its international relations.

24.236 Special Topic

24.237 The First 100 Years: Mexico and Peru in the Sixteenth Century, and New Zealand in the Nineteenth Century: A History of the Colonised
This paper will look at the historical experience of colonised peoples, from their perspectives. It will contrast two European colonising cultures (set apart in time and by distinct philosophies of colonisation). It seeks to cross the frontiers of the more traditional colonial history, to illuminate the 'other side' of that history.

T24.238 South American History, 1880 to the Present
This paper surveys the major political, economic, social and intellectual movements in South America over the last century. It discusses the integration of South America into the world economy, the effect of depression on the continent, revolution, relations with the United States, resistance to dictatorship, developmentism, and contemporary challenges. Particular emphasis will be placed upon studying the evolution of Argentina, Brazil, and Chile.

T24.240 Science, Religion and Politics: Historical Case Studies
This paper examines controversies over theory change in which scientific issues have interacted with metaphysical, religious and political beliefs and concerns. The case studies will focus on the
This paper explores the history of the American South from the late 19th century to the present with attention focused on the emergence of racial segregation (Jim Crow) through the dramatic challenges begun in the 1950s. In addition to race, topics to be considered in the lectures and readings include folk culture, religious controversies, political change, labour, literature and that elusive thing called "the South".

24.325 Immigration and Settlement in Australia
This paper examines the peopling of the Australian continent. It explores why immigrants came to Australia, where they settled and how they adjusted to the new society, as well as Australian attitudes towards immigration.

24.329 Social Welfare in New Zealand from 1840 to the present day
This paper explores the development of the welfare state in New Zealand from 1840 to the present. It will examine the reasons for the introduction of welfare measures, the form the legislation took, and its impact on society.

24.332 Early Monasticism
The paper explores the background (including pagan and Jewish elements) and the development of Christian asceticism, between roughly 250 and 650 A.D. Both ideas and institutions will claim attention, and in particular the shifting relations between ascetics and society. Are we dealing with dropouts, rebels, critics, or careerists?

24.333 A History of Medieval Europe from Charlemagne to Philip the Fair
Designed as a successor to 24.201, this paper will cover approximately the same period (c.800-c.1290) and will deal with the political and cultural history of medieval European States (excluding England).

24.334 Britain and Russia: a Century of Conflict
During the nineteenth century one of the major factors in the formulation of British foreign policy was fear of the growth of Russian power. Why did that fear arise? What was British policy in response? To what extent does an examination of Russian foreign policy warrant the nineteenth century British interpretation of it?

24.336 Popular Culture in Early Modern Europe
This paper will deal with the attitudes and values of ordinary people in Europe, c.1500-1750; in other words, popular culture in the wider sense of the term. Topics will include supernatural world views, oral culture, literature, sexuality, the law, protest, medicine, festivity, and the relationship between elite culture and popular culture. The emphasis will be on England and France.

24.337 Special Topic: European History
24.342 Special Topic
24.343 Special Topic
24.351 Waitangi: The Treaty and the Tribunal
An examination of the Treaty of Waitangi in its international context – in relation to treating with indigenous peoples in the U.S., Canada and other British colonies - and in New Zealand history, with special reference to the alienation of Maori resources and inquiries into Maori grievances, culminating in the work of the Waitangi Tribunal.

24.354 Radicals and Dissenters in American Culture and Politics, 1840s to the present
Lectures, primary readings, and discussion of significant non-mainstream thinkers in the U.S. from Henry David Thoreau to Edward Abbey.

24.355 The State of Native North America
This paper provides an introduction to the history of the indigenous peoples of North America. Some background material is included on the pre-Columbian period, but the primary focus will be on Native American responses to European colonization up to and including the resurgence of Indian activism in the 1970s. Topics covered include demographic change, the fur trade, the colonial wars, land loss, reservation experiences, modern Indian political activism and the politics of representation.

24.360 Religion, Politics and Social Change in Latin American History
This course will analyse the extremely important role played by religion in the politics and society of Latin America from the pre-
Asian History III

Note: Papers are taught on a half-year basis, one one-hour and one two-hour period per week, in the following sequence: 24.345-24.330; 24.344-24.312.

Second half-year papers start during the week beginning 19 June. Should their timetable permit, students may take a single paper or two or more papers from different sequences.

24.312 Sino-Japanese Relations since the Meiji Restoration
A study of the relations of the two principal nations of East Asia, 1868-1945. The paper will include the breakdown of China's informal overseas empire and the growth of Japan's ambition and capability. The later nineteenth-century history of Korea will also be considered.

24.330 British Imperialism in Southeast Asia
A survey of British imperialism in the Southeast Asian context from the late eighteenth century to the years following the Second World War, with an emphasis on selected topics and areas.

*24.341 Special Topic

24.344 East Asia’s Four Tigers: Taiwan, Korea, Singapore, Hong Kong
This paper covers the emergence of these newly-industrialising countries and the results of their rapid industrialisation.

24.345 Australia, New Zealand and the Asia-Pacific: a Social-cultural History
Australia and New Zealand’s relationship with the Asia-Pacific region is usually considered from a western diplomatic and political standpoint, one that deals on a government to government basis. The aim of this course, on the other hand, is to present a social and cultural history of that relationship, one based on the human dimension of the exchange and that explores, as far as possible, Asian perspectives and actions as well as Australian and New Zealand.

History for MA and Honours

Students must attempt four papers (excluding 24.430 and 24.431 but including 24.410) in their first year and complete their remaining work in their second year. Students in full-time employment or with other demanding responsibilities may (with the permission of the Head of Department) attempt fewer papers in their first year and spread their remaining work over the one or, at most, two years following.

The thesis shall not exceed 50,000 words and two copies must be handed in to the Registrar in accordance with MA Regulation II (d). The dissertation shall be between 10,000 and 15,000 words and two copies must be submitted to the Registrar by 1 December in the student’s final year.

The Head of Department may permit a student not attempting a thesis to include as one of the six papers required a special study (24.430), involving a research programme prepared in consultation with one or more staff members. In exceptional cases, a second special study (24.431) may be included.

Students are expected to report regularly to their supervisors and to attend a research seminar in their second and (where applicable) third year.

24.400 Topics in New Zealand History
Topics in Maori and Pakeha, social and political history, selected for their significance in current historical research and writing.

24.401 The Political Development of the Pacific Islands from about 1870
An examination of political and related social change in the Pacific Islands from annexation to decolonisation.

24.402 The Rise and Fall of Apartheid: South Africa in the Twentieth Century
The course begins with an examination of the development of racial segregation since 1905 and apartheid since 1948, and culminates with the introduction of a democratic constitution in 1994.

*24.404 Kings, Lords and Commons: Tudor Government and Society 1485-1603
This paper involves the extensive use of primary materials. It concentrates on the changing role of parliament; the shifting relationship between king, lords and commons; and parliament's response to a wide variety of political, economic and social problems ranging from religion and witchcraft to treason and inflation.

*24.406 Individual and Community in Western Europe 1050-1200
The developments and changes in the relationship between communities (intellectual, religious, commercial, heretical) and the individuals which made them up. A reading knowledge of French is particularly important, although Latin (or perhaps German) may be substituted.

24.407 Indonesia and the Philippines: Colonial Experience and Post-colonial Problems
The paper examines the similarities and contrasts in the colonial history of Indonesia and the Philippines and discusses some of the problems the two Republics have faced since independence.

24.410 The Historian’s Craft: Theories, Methods and Techniques
The paper is designed to achieve two aims: (1) to provide a basic knowledge of the evolution of history as a discipline through a selective study of some of the most influential schools of history in the past; and (2) to establish a sound understanding of some modern trends in history. The latter would involve the examination of ideas and the application of methodologies which have been developed by the French Annales School, by the closer links being forged between history and the social sciences, and by the unique developments which have evolved in the historiography of Asia, Africa and the Pacific.

24.413 The Origins of the Second World War
This paper is mainly concerned with the origins of the war in Europe and lays particular emphasis upon the relationship between internal and international affairs.

24.414 Law, State and Society in Twentieth Century United States history
This paper introduces students to issues of power and liberty in the context of a constitutional democracy. The primary focus is on the process of state-building empowering the executive in the late 18th and 19th centuries, and on the development of civil liberties and civil rights in the 20th century.

Students who have taken 24.353 in 1991 may not enrol in this paper.

24.417 The Irish in North America, Australia and New Zealand
This paper will consist of a comparative study of Irish emigration to and settlement in North America, Australia and New Zealand.

24.420 China’s Struggle for Modernity: The Republican Era
This paper will cover the period from the collapse of the Qing dynasty to the creation of the People’s Republic, looking at the activities of the various sectors of Chinese society during the period, such as peasants, intellectuals, women etc. The regional breakdown and diversified development patterns under war lords, Nationalists and Communists will be studied, as will the role of foreign powers during the period. The general aim will be to gain an understanding of the problems facing China as it sought to create a successful modern polity.

*24.421 Special Topic

24.422 Topics in Late Roman Religion
The course is designed to provide opportunity and guidance for personal research work in Jewish, pagan, and Christian history during the first six centuries of the common era. Focus will be determined by the interests and skills of those who enrol. Early consultation is recommended.
24.424 Labouring Lives in Nineteenth and early Twentieth Century England
This paper, with an emphasis on social history, deals with the life situation of working people in nineteenth and early twentieth century England. Topics include work, living conditions, the family, popular culture, protest and representations of labouring life.

24.425 Health, Medicine and Society in New Zealand and Britain, 1840-present day
Topics to be investigated in this course include the development of the medical and allied professions, hospital and medical services and public health. Special topics will include Maori health, and women and health.

24.426 Issues in Post-war Japanese Economic History
This course will concentrate on four basic historical and contemporary issues which have had a profound effect on the nature of Japan's international competitiveness in the post-war era: labour, bureaucracy and business; internationalisation of the economy; socio-economic aspects of the economy. Note: it will be useful, but not essential, to have completed 24.226 in a previous year.

24.427 Post-war East Asian History: the Dynamics of Change
This paper explores some of the issues connected with the dynamics of rapid economic change, emphasising the interconnectedness of the process of industrialisation with the environment, human rights and the geo-political dimensions of national interests and international competition.

24.430 Special Study
A research program, normally related to one of the papers 24.400 to 24.426, selected in consultation with one or more staff members and approved by the Head of Department.

24.431 Special Study
A research program, normally related to one of the papers 24.400 to 24.426, selected in consultation with one or more staff members and approved by the Head of Department.

Note: (i) There is no guarantee that all papers listed above will be available in any one year.
(ii) Enrolment for any MA paper other than 24.430 and 24.431 falls below five, students may be asked to transfer to another MA paper, or to pursue study in the field by enrolling in 24.430 or 24.431.
(iii) All students intending to enrol for MA must see the Head of Department before formally enrolling, preferably before the end of the previous year.

LANGUAGE ACQUISITION (ENGLISH)
These papers are offered within the English Language Acquisition Programme which also provides non-degree papers 590.001 and 590.002 and short-term English language support to students of non-English speaking background. Students who pre-enrol in 590.100 and 590.101, which have limited entry, will be required to sit a test at the University in February to determine language proficiency.

590.100 Language Acquisition A
This paper is available only to students of non-English speaking background. It will focus on developing the receptive skills of reading and listening.

590.101 Language Acquisition B
This paper is available only to students of non-English speaking background. It will focus on the productive skills of speaking and writing.

DEPARTMENT OF MANAGEMENT STUDIES AND LABOUR RELATIONS
Management Studies and Labour Relations I
72.101 Organisation and Management
Introduction to organisational behaviour, including motivation, interpersonal relations, communication, leadership, and group processes. Organisations as mechanistic, organic, and political systems. Organisations as cultures. Psychic phenomena in organisations. Organisations as instruments of domination. Organisational analysis. Principles of management, including strategy, organising and control. Principles of labour relations, including employment, industrial legislation, trade unions, industrial conflict.

72.101 Organisation and Management
As prescribed for 72.101. This paper is taught at the Tamaki Campus.

Management Studies and Labour Relations II
72.204 Organisational Behaviour
A framework for understanding human behaviour in the context of organisations, focusing on the individual (personality, motivation, leadership); groups (communication, group dynamics, conflict management, power and politics) and the impact organisational structures, culture and change have on behaviour.

72.204 Organisational Behaviour
As prescribed for 72.204. This paper is taught at the Tamaki Campus.

72.207 Labour and Employment Relations
Introduction to the subject of Labour Relations with special reference to New Zealand. Institutional and legal frameworks. History and organisation of trade unions and employers' associations. Role of government. Determination of pay and employment in the public and private sectors. Discussion of current issues such as flexibility, equity and employee influence.

72.208 Labour and Management on the Pacific Rim
This paper is designed to locate contemporary labour relations development in New Zealand in the context of labour relations regimes elsewhere on the Pacific Rim. The development of bargaining systems in New Zealand is compared with systems to be found in Australia, Latin American import substitution economies and the NICs of East Asia. The contrast is drawn between the deregulation of traditionally regulated bargaining systems in New Zealand, Australia and Latin America and the emergence of more flexible bargaining systems in the NICs of East Asia. This paper is taught at the Tamaki Campus.

72.211 Business in Society
The paper will examine the relationship between business institutions and the social, cultural and political climate within which they operate, assessing the effects of business on society and of society on business. The material covered will focus primarily on New Zealand and adopt both an historical and contemporary perspective. The following topics will provide major segments of the paper: Business and Government; Maori Business and the Environment; Business Ethics; the Culture Industries.

72.211 Business in Society
As prescribed for 72.211. This paper is taught at Tamaki.

Management Studies and Labour Relations III
72.303 Comparative Labour Relations
This paper will examine the influence of changes in the structure of the global economy and selected national economies on the development and practice of labour relations. Of particular interest will be the relationship between economic restructuring and issues such as labour market reform, labour legislation and bargaining structures. Here the influence of social and economic change in the historical political economy of nations and the economic regions of Europe (including Central and Eastern Europe), NAFTA (US, Canada and Mexico) and Asia (Australia, Japan and the NICs) will be addressed alongside the rise of international capital and its influence on workplace change. Topics will include capitalism since 1945, international bodies: their functions and performance (ICFTU, WFTU, ILO etc), labour relations and economic performance, management strategies in the re-organisation of work, etc.

72.317 Women in Organisations
The implications of increasing numbers of women in the paid workforce are explored in an interdisciplinary way. Includes occupational segregation, home-work interface, female identity, sexual harassment issues, career development, EEO, women managers, leadership and power, feminist critiques of organisations and micro and macro strategies for change.
72.325 Organisation Theory
Theories of organisations, including formation of new organisations, organisational change, and organisational failure. Traditional and contemporary approaches to organisational structure and design. Organisational development and effectiveness. Organisational inertia and adaptation.
T72.325 Organisation Theory
As prescribed for 72.325. This paper is taught at the Tamaki Campus.

72.340 Trade Union Studies
An analytical and practical study of the challenges facing the trade union movement in New Zealand and its various responses to them. It will consider how trade unions in New Zealand are dealing with international competitiveness, flexibility in the labour market and a deregulated industrial relations environment, among other contemporary issues.
†T72.341 Special Topic
1995: Business Ethics
An examination of ethical issues which arise in business contexts. Several frameworks for resolving such issues are presented. Three main areas covered are: ethical dilemmas facing individuals within organisations; ethical issues for organisations; fundamental questions about the ethical nature of business.
†T72.342 Business and Culture
An opportunity for advanced study of issues arising at the interface between business and society; explores in particular the dynamics of a business culture and the role of business in cultural change.
T72.342 Business and Culture
As prescribed for 72.342. This paper will be taught at the Tamaki Campus.
T72.343 Special Topic: International Management
The goal of this course is to convey to students a way of thinking that is consistent with that of international business managers. The complexity of the international business environment and the influence of this environment on the various functions of management will be examined. Special emphasis will be placed on the influence of national culture on the behaviour of people and groups in organisations.
T72.344 Business Policy and Strategy
The work of general managers - the people responsible for all these functional areas (operations, marketing, finance, etc.) in an organisation. Covers theories of business policy and strategic management, techniques in writing and interpreting mission statements; goals and long-term objectives; internal, environmental, industry and competitor analyses; corporate, business-level, competitive and functional strategy formulation; implementation variables and strategy implementation; and strategic control.
72.350 Special Topic
72.351 Special Topic

DEPARTMENT OF MAORI STUDIES
Full details concerning Maori Studies papers are contained in Courses in Maori Studies for 1995 available from the Maori Studies Department.
Maori Studies Stage I Level
Students who are beginners or near beginners in Maori Language should take the Language Acquisition A papers 04.106 and 04.107. Fluent speakers of Maori or those with three or more years of Maori Language at school should take the Language Acquisition B papers 04.109, and 04.111.
Acceptance into 04.109 and 04.111 is on the basis of a preliminary test during the first week of class.

04.101 Introduction to Maori Society
Traditional Maori society; the effects of European contact; the contemporary culture.
Note: The same paper is offered as Anthropology 03.102, and Maori Studies N04.101 and T04.101.
N04.101 Introduction to Maori Society
As prescribed for 04.101. This paper is taught at Northland Polytechnic, Whangarei.
Note: The same paper is offered as Anthropology 03.102, and Maori Studies 04.101 and T04.101.

T04.101 Introduction to Maori Society
As prescribed for 04.101. This paper is taught at the Tamaki Campus.
Note: The same paper is offered as Anthropology 03.102, and Maori Studies N04.101 and T04.101.

04.106 Language Acquisition A: Structure and Translation
This paper will introduce students, who have no background in the Maori Language, to basic skills in writing Maori. One lecture, one tutorial; total 2 hours per week.
T04.106 Language Acquisition A: Structure and Translation
As prescribed for 04.106. This paper is taught at the Tamaki Campus. One lecture, one tutorial; total 2 hours per week.
†N04.106 Language Acquisition A: Structure and Translation.
As prescribed for 04.106. This paper is taught at Northland Polytechnic, Whangarei.
04.107 Language Acquisition A: Oral and Writing Skills
This paper will introduce students, who have no background in the Maori Language, to basic skills in reading, writing and speaking Maori. One lecture, one tutorial, one language laboratory per week; total 3 hours per week.
T04.107 Language Acquisition A: Oral and Writing Skills
As prescribed for 04.107. This paper is taught at the Tamaki Campus.

04.109 Language Acquisition B: Structure and Translation
This paper introduces translation techniques between the Maori and English languages and explains the grammatical vocabulary and the theoretical model of Maori grammar. It also teaches the structure of simple sentences. It is a course for those who have a good command of Maori. Total of two hours per week.
*04.109 Maori Language: Structure and Translation
As prescribed for 04.109. This paper is taught at Northland Polytechnic, Whangarei.
04.111 Language Acquisition B: Oral and Writing Skills
The aim of the course is to develop skills in speaking, writing and hearing Maori. It is a course for those who have a good command of Maori. One lecture, one workshop, one language laboratory; total 3 hours per week.
T04.115 Introduction to the Structure of Cook Islands Maori
This paper introduces students to an understanding of the rules that make up the Cook Islands Maori Language.
Note: The same paper is offered as Pacific Studies 477.104.
†T04.116 Introduction to Spoken and Written Cook Islands Maori
This paper introduces students to speaking, reading and writing in Cook Island Maori language.
Note: The same paper is offered as Pacific Studies 477.105.

Maori Studies Stage II Level
04.202 The Ancient Maori World/Te Ao Tawhito
Some accounts of traditional Maori life.
Note: The same paper is offered as Anthropology 03.211.
04.203 The Coming of the Maori
Archaeological perspectives on Polynesian origins, initial adaptations to New Zealand, local cultural development, classic Maori society, history to 1840 A.D.
Note: The same paper is offered as Anthropology 03.208, and Maori Studies N04.203.
04.204 Second Year Language Acquisition A: Structure and Translation
Total of two hours per week.
†T04.204 Second Year Language Acquisition A: Structure and Translation
Total of two hours per week.
04.205 Second Year Language Acquisition A: Oral and Writing Skills
A total of three hours per week.
Faculty of Arts

*04.205 Second Year Language Acquisition: Oral and Writing Skills
A total of three hours per week.

04.206 Te Kete Arohui/Maori Art & Material Culture
This paper will introduce students to Maori material culture from ancient times right up to the present.
Note: The same paper is offered as Art History 19.264.

*04.206 Te Kete Arohui/Maori Art & Material Culture.
As prescribed for 04.206. This paper is taught at Northland Polytechnic, Whangarei.

*04.207 Maori Kinship and Community
A study of selected patterns of social relations e.g., kinship and residence; kinship and ancestral land; kinship and tribal identity.
Note: The same paper is offered as Anthropology 03.216.

04.208 Treaty of Waitangi Issues
A multi-disciplinary course on the Treaty of Waitangi.

A study of the current Maori Resource Management Environment.

N04.210 Introduction to Maori Resource Management
As prescribed for 04.210. This paper is taught at Northland Polytechnic, Whangarei.

T04.210 Introduction to Maori Resource Management
As prescribed for 04.210. This paper is taught at the Tamaki Campus.

04.211 Contemporary Maori and Polynesian Art
As prescribed for Art History, 19.263.

04.212 Second Year Maori Language B: Structure and Translation
This course follows on from 04.109. One two hour lecture per week.

04.213 Second Year Language Acquisition B: Oral and Writing Skills
This course follows on from 04.111. One hour lecture, one workshop and one tutorial per week. Total 3 hours per week.

04.214 Maori Literature
1995: An introduction to the study of Maori oral literature. Two hours per week.

Maori Studies Stage III Level
The language papers 04.306 and 04.307 are designed to be taken together and students should enrol in them concurrently. Students who are taking Maori Studies papers in fulfilment of BA Degree Regulations 4 (a) must pass 04.306 and 04.307.

04.302 Topics in Contemporary Maori Society
A survey of current Maori institutions, social groupings and events.
Note: The same paper is offered as Anthropology 03.306.

04.303 Maori Oratory
Whaikoorero and other Non-Casual Speech Forms.

*04.304 Maori Poetry and Song
A study of selected traditional song texts, their musical and literary form, and the traditional circumstances of their composition.

04.305 Polynesian Comparative Linguistics
Comparative and historical study of the sound systems, grammar, and vocabulary of the Polynesian languages.
Note: The same paper is offered as Linguistics 83.303.

04.306 Third Year Language Acquisition: Structure and Translation
Total of two hours per week.

04.307 Third Year Language Acquisition: Oral and Written Skills
Total of three hours per week.

04.308 Maori Land History
An historical study of Maori land in its political economic and social context. Students are guided in documentary research of a case history.
Note: The same paper is offered as Anthropology 03.304.

*04.309 Whanaungatanga - Whakapapa

04.310 Regional Approaches to Maori Society
Note: The same paper is offered as Anthropology 03.341

*04.311 Special Topic in Maori Studies.

*04.314 Te Kaupapa Waahine Maori
A study and analysis of the customs and ritual of traditional and contemporary Maori women.

04.315 New Zealand Archaeology
Aspects of New Zealand archaeology from first colonisation through to the colonial era. Includes site recognition, recording and interpretation within a regional context and period, as appropriate.
Note: The same paper is offered as Anthropology 03.330.

04.316 Te Whare Pora (Maori Feather and Fibre Arts)
Includes research and teaching of practical skills to extend students' knowledge of tu-kotuku, raranga, whata, taniko, feather attachment, and dyeing techniques.

04.317 Special Topic in Maori Studies: Narrative Texts from the Oral Tradition

04.318 Special Topic: Geography of the Maori
The course follows on from Geography 29.321.

*04.319 Whakairi: Maori Carving

04.320 Myths and Traditions

T04.321 Advanced Maori Resource Management

*04.321 Advanced Maori Resource Management

Maori Studies for MA and Honours
The course of study of every student must be approved by the Head of Department. A candidate must present four papers and a thesis (04.601) counting as three papers. Up to two papers listed under Stage III level Maori Studies, if not credited for a BA Degree, may be offered as papers for MA.

04.400 A Topic in Maori Language

04.401 A Topic in Maori Literature

04.402 Maori Ethnicity
Note: The same paper is offered as Anthropology 03.423.

04.403 Tikanga Maori

04.404 Special Topic in Maori Culture and Society

04.405 A Topic in Maori Literature

04.407 Tikanga Waahine Maori
This paper will examine tikanga; ancestral rituals and practices, and the power bases of Maori women.

04.408 The Politics of Culture

04.409 Special Topic in Maori Studies

04.601 Thesis

DEPARTMENT OF MATHEMATICS
For prescriptions see Faculty of Science.

DEPARTMENT OF MUSIC
Restrictions on entry to Courses:
1. A student wishing to advance in Music for BA (that is beyond Stage I) who has little evidence of musical background is required to satisfy the Head of Department of Music that an appropriate standard has been reached. For this purpose short interviews may be held in late January of the year for which preparatory application has been made. A limited number of first-year places is available in the Department. Students should refer to the Faculty of Music Prescriptions for details.

Music I
Music I (as prescribed for BMus)
28.100, 28.101, 28.103, 28.106, 28.107, 28.113
Prescriptions for BA
28.104 Music and the 20th Century
A listening-based approach to music and its various types and forms in the period 1900-1960.
28.105 Basic Musical Techniques
Fundamental written skills in music, and practice in aural perception.
E28.105 Basic Musical Techniques
As prescribed for 28.105. This paper is taught at the Auckland College of Education.

28.107 Musics of the World
A broad survey of the world’s music cultures covering North and South America; Africa; Europe; South, East and South-East Asia; and the Pacific. Special attention will be given to the musics of the Pacific Islands, New Zealand, and Australia.

Music II
Music II (as prescribed for BMus)

Music III
Music III (as prescribed for BMus)

Music for MA and Honours
Seven papers are required for the MA in Music: four papers as prescribed for BMus(Hons), and a thesis (which counts as three papers), as prescribed for MMus.

Entry to the course depends on interview by the Board of teaching members of the Music Faculty.

Where necessary, a candidate will be required to satisfy the Head of Department as to his or her proficiency as a performer, or ability to read an approved language other than English, or both.

Note: (1) The availability of these papers will depend on the number of students and their choice of papers.
Note: (2) The specific requirements for choice of papers are given in MA Schedule (23).

†NEW ZEALAND STUDIES

An MA in New Zealand Studies is available to students who have majored in Anthropology, Art History, Education, English, Geography, History, Maori Studies, Political Studies and Sociology and whose undergraduate degree contains papers on New Zealand in these subjects.

This degree allows students to focus on New Zealand topics across a number of disciplines. Graduates who do not comply with the pre-requisites but who have relevant experience in the work place may be admitted to the programme.

Students can follow one of two options. The first (a) involves four papers, including 498.400, and a thesis; the second (b) six papers, including 498.400, and a research essay. Under option (a) papers other than 498.400 must be chosen from two subjects listed below and two papers must be from the subject in which the student has three Stage III papers. Under option (b) papers other than 498.400 must be chosen from two subjects listed below and three papers must be from the subject in which the student has three Stage III papers.

Competency in Maori language is required as a pre-requisite or may be acquired while the degree is being carried out. Passes in Maori Studies 04.106 and 04.107 or their equivalents will be accepted.

Students will be required to take:
†498.400 New Zealand: Interdisciplinary Studies
This paper will examine the ways in which New Zealand has been and is studied in the humanities and social sciences; it will analyse and evaluate views and perspectives on the development of the country and its peoples.

The remaining papers are to be chosen, in consultation with the programme co-ordinator, from Masters papers offered in the Faculty of Arts in the following subjects: Anthropology, Art History, Education, English, Geography, History, Maori Studies, Political Studies and Sociology. The approval of the relevant Head of Department is required for these papers. One Stage III paper may be included in the degree.
†498.601 Thesis
(Equivalent to three papers)
†498.603 Research Essay
(Equivalent to one paper)
The approval of the co-ordinator of New Zealand Studies is required for each complete course of study.

PACIFIC STUDIES

Two Stage I Pacific Studies are offered in alternate years. An asterisk shows which one is not taught in the current year. There is a new interfaculty paper 79.102 Indigenous Knowledge and Western Science: Perspectives from the Pacific. There are two Pacific languages – Samoan and Cook Islands Maori. Each Language offers two stage one papers. Enquiries about them should be directed to the Director, Centre for Pacific Studies, 22 Wynyard Street, three doors up from the Marae.

Pacific Studies papers are accepted as pre or corequisites for various papers on the Pacific which are offered by the Departments of Education, Political Studies and Sociology. See course descriptions offered by these departments.

79.100 Topics in the Political Economy of the South Pacific
An introduction to the processes of political, economic and social change in the region, with case studies where appropriate.

*79.101 Topics in Pacific Arts
A survey of traditional and modern history of the Pacific and the impact of change on languages, music, oratory, dance, art and craft and identity as a result of migration etc.

79.102 Indigenous Knowledge and Western Science: Perspectives from the Pacific
This paper provides students with the opportunity to learn about both indigenous knowledge and western scientific accounts of the natural world, specifically the islands of the Pacific including New Zealand. Selected topics will be examined using a bicultural approach, involving both an expert in traditional knowledge and a scientist trained in the western scientific paradigm. Where possible each topic will include both a “pure” and an “applied” component, the latter focusing on current environmental issues.
†477.104 Introduction to the Structure of Cook Islands Maori
This paper introduces students to an understanding of the rules that make up the Cook Islands Maori language.
Note: The same paper is offered as Maori Studies 04.115.
†477.105 Introduction to Spoken and Written Cook Islands Maori
This paper introduces students to speaking, reading and writing in Cook Island Maori language.
Note: The same paper is offered as Maori Studies 04.116.

Samoan I
478.100 Samoan Language for Beginners
The course will focus on the acquisition of basic Samoan to develop skills in listening, speaking and writing.

478.101 Samoan Language for Intermediate Learners
This paper will extend basic skills of writing and reading and introduce students to complex sentence structure. Samoan cultural behaviour and protocol in homes will be studied.

Samoan II
478.200 Samoan Language: Structure and Writing Skills
This paper will extend the skills of reading, writing, listening and speaking. Emphasis will be placed on the structure of Samoan sentences and the various meanings of terms within the context of a Samoan sentence. Students will have practice in writing in Samoan as well as translation.

478.201 Samoan Language: Spoken and Written Samoan
This paper will extend students’ confidence and fluency in speaking and writing Samoan in informal and formal situations. Students will analyse poems, articles, texts in Samoan and be able to comment on these. Students will be required to produce an original piece of writing in Samoan and to participate in a cultural activity.

Samoan III
*478.300 Oral and Written Samoan
This paper will extend oral and written skills so that students may be competent in conversation and composition skills in Samoan.
*478.301 Advanced Samoan Language.
Extension of students’ vocabularies and confidence in speaking and writing of Samoan in informal and formal situations. Analysis
of proverbs, poems and articles on Samoan culture. Students will learn the structure of Samoan oratory and be able to compose a speech in the language of the orators. The papers will examine procedures, protocol, and language involved in activities such as weddings, funerals, and title bestowals.

DEPARTMENT OF PHILOSOPHY

Fuller details concerning the content of Philosophy papers are contained in a booklet entitled Guide to Undergraduate Philosophy. Free copies are available from the Secretary, Room 11, 1 Alfred Street. This booklet also contains general information about the Department, a guide to prerequisites and choice of papers, information about coursework and assessment, and a list of the prescribed and recommended texts for each paper. Students are strongly advised to consult this booklet and seek advice concerning their proposed course of study before enrolment.

Prerequisites and restrictions for Philosophy papers are set out in detail in the BA Schedule and should be studied carefully before enrolment. Several Philosophy II papers may be relevant to students majoring in other subjects; students wishing to take these papers without the normal prerequisites are advised to consult the Head of Department. Note that certain Political Studies I papers are accepted as prerequisites for some Philosophy II papers of interest to students majoring in Political Studies. Note that 29.101 or T29.151, is a prerequisite for 29.201, 29.305, 29.306 and for the MA in Philosophy.

Philosophy I

Note: Two hours per week for each paper including lectures and tutorials.

29.100 Introduction to Metaphysics and Theory of Knowledge

Metaphysics deals with fundamental problems about the nature of the world and human beings (for example, the question of the existence of God, the relationship between mind and body, the nature and identity of the self, and the way in which metaphysical schemes endow life with significance or reveal its absurdity); the Theory of Knowledge studies the sources, limits and justification of human knowledge.

29.101 Introduction to Logic

Logic is the study of argument. This paper aims to provide an understanding of central logical notions, such as consistency and inconsistency, logical necessity, and, most importantly, what it means for an argument to be good or bad. Starting with an informal introduction that shows how these and other logical ideas are related, the paper examines two main logical systems, propositional and predicate logic.

29.104 Introduction to Ethics and Social Philosophy

Ethics is the philosophical study of morality, while social philosophy is the philosophical study of social concepts (individual liberty and the state, for example). This paper provides an introduction to several ethical and social theories (including Kantianism, utilitarianism, virtue ethics and existentialism); relates these theories to some practical moral and social issues; and provides an introduction to fundamental questions about the nature of morality, such as the objectivity or subjectivity of values.

T29.150 An Introduction to Central Issues in Philosophy

The paper will survey some of the main issues that arise in metaphysics, theory of knowledge, ethics and political philosophy. It will begin with a discussion of the rise of philosophy in Ancient Greece. Typical issues to be discussed in each of the four areas include: time, creation and God; scepticism, theory of perception and the scope and limitations of our knowledge of the world; the nature of ethical values and what it is to be a moral person; the liberties and rights we can have in a just society.

T29.151 Reason and Rationality: An Introduction to Logic

This paper is devoted to gaining a systematic understanding of correct reasoning. Topics will be selected from (a) deductive reasoning and systems of deductive logic such as traditional syllogistic logic; truth-functional logic and first-order quantificational logic; (b) inductive logic and probabilistic reasoning; (c) the elements of scientific method, including Mill’s methods for testing causal hypotheses and more general methods of test; (d) critical thinking, including the application of logic to everyday reasoning and an investigation of common deductive and inductive fallacies; (e) an introduction to notions of philosophical method such as the notions of necessity, knowledge and a priori knowledge.

T29.152 Philosophy and Theories of Human Nature

What are we human beings and what is our nature? Various competing conceptions of human nature can be found in Christianity, Marxism, Existentialism, Feminism, Freudian psychology and the sciences such as behaviourism and sociobiology. Some of these theories of human nature will be examined in this course. There may also be a discussion of the philosophical issues concerning the following: freedom and determinism in human action; personal identity; the nature of mind; whether or not we have a soul; the nature of human rationality.

Philosophy II

Note: Except where noted otherwise, each paper has one two-hour class per week.

29.200 Philosophy of Mind

An introduction to set theory and its importance for logic and philosophy; a study of important classical and non-classical logical systems (e.g., intuitionistic logic, multi-valued logics, modal logic).

29.201 Logic II

An introduction to topic theory and its importance for logic and philosophy; a study of important classical and non-classical logical systems (e.g., intuitionistic logic, multi-valued logics, modal logic).

29.202 Philosophy of Language

A study of scientific method; the distinction between science and non-science; and the status of scientific theories. Some important episodes in the history of science will be discussed.

29.203 Philosophy of Science

A study of scientific method; the distinction between science and non-science; and the status of scientific theories. Some important episodes in the history of science will be discussed.

29.204 Greek Philosophy

An introduction to the main themes and figures of Greek philosophy. Following a survey of early philosophy up to the time of Socrates, the course involves study of one or more major works of Plato, and an introduction to Aristotle’s logic, metaphysics, and ethics.

Note: The same paper is offered as Ancient History 12.224.

29.205 Community, Society and Rights

Philosophical problems concerning the relationship amongst the members of society, involving issues of liberty, autonomy and authority. Topics will include a study of contractarian views and their application to the Treaty of Waitangi.

Note: The same paper is offered as Political Studies 30.224.

29.206 History of Philosophy II A

29.207 Philosophy of Religion

A study of the relationship between reason and faith; is belief in the Judeo-Christian God reasonable? Topics include: the problem of evil, the meaningfulness of religious language, novel concepts of God, Hume on miracles, and Kierkegaard and William James on faith and reason.

29.208 Metaphysics and Theory of Knowledge II

More advanced study of topics in these two areas, including problems in theory of knowledge and the philosophy of perception, based on a study of the British empiricists, John Locke, George Berkeley and David Hume; and topics in contemporary theory of knowledge.

29.209 Continental Philosophy II

A study of Schopenhauer and Nietzsche.

29.210 Applied Ethics

Philosophical analysis of contemporary moral problems, such as abortion, reverse discrimination, pornography and environmental ethics.

29.211 History of Philosophy III B

29.212 Philosophy of the Arts

A range of philosophical questions about the creation of artworks, what kinds of things artworks are, and the conditions for their interpretation, appreciation and evaluation.

29.213 Philosophical Issues in Feminism

A selection of philosophical issues which arise within feminist thinking (for example, the nature of sexual equality; concepts of patriarchy, oppression and exploitation and their use in feminist analyses of women’s social position; the nature of sexual harassment).

Note: Two-hour classes per week in the first half year only.
Faculty of Arts

*29.214 Special Topic
29.215 Special Topic: 20th Century French Philosophy
An examination of the development of contemporary French Philosophy through the intellectual movements of Vitalism, Existentialism, Structuralism and Post-structuralism.

The main topic in this paper concerns environmental ethics. Other issues that may be addressed will be drawn from the following: the ethical issues that arise in biotechnologies, the preserving of lives, scientific experimentation, the use of animals in research, the responsibility of scientists in a free society.

T29.251 Ethics and Political Philosophy
A discussion of some of the major theories of ethics and theories of justice, liberty, freedom, etc.

T29.253 Topics in Contemporary Philosophy
Selected topics from Ancient Greek and Enlightenment Philosophy.

*T29.255 Topics in Contemporary Philosophy
T29.260 Introduction to Philosophical Issues in Science
An introduction to some of the main conceptions of science that have been proposed by scientists and philosophers; the nature of theories, laws and causation; scientific inference; explanation and prediction in science; the hierarchy of sciences, reduction and emergence; scientific realism versus constructivism.

*T29.261 Current Issues in the Philosophy of Science
*T29.262 Philosophy, Psychology and Mind
*T29.263 Philosophy of Biology
*T29.264 Philosophy, Society and the Sciences: Topics in the Philosophy of Social Science
*T29.265 The Rise of Western Science

Philosophy III
Note: (i) Students wishing to advance to MA in Philosophy should note the prerequisites set out in section (26) of the MA Schedule.
(ii) Except where noted otherwise, each paper has one two-hour class per week.

*29.300 Theory of Knowledge III
*29.301 Metaphysics III

29.302 History of Philosophy (Ancient and Mediaeval)
A study of Mediaeval philosophy (including the work of Abelard, Aquinas, Augustine, Duns Scotus and Ockham) in relation to its ancient roots in Platonism and Aristotelianism.

29.303 Continental Philosophy III
A study of Heidegger.

29.304 Ethics III
Advanced philosophical study of moral theory (in both normative and meta-ethics), including Aristotelian ethics, moral dilemmas, feminist ethics, objectivity.

29.305 Logic III
A course in mathematical logic.
Note: The same paper is offered as Mathematics 26.315.

29.306 Language, Truth and Meaning
The relationship between language, thought and reality. Topics include: the nature of reference and meaning, Quine’s sceptical views on meaning, classical theories of truth, Tarski’s semantic conception of truth and Kripke on truth.

29.307 Topics in Recent Philosophy
Contemporary issues in Metaphysics, Theory of Knowledge and Philosophy of Mind.

29.308 Special Topic: Early Heidegger and Nietzsche
Note: Students wishing to enrol in this paper should consult the Department for further information.

29.309 Special Topic: Kant and Nietzsche
Note: Students wishing to enrol in this paper should consult the Department for further information.

*29.310 Political Philosophy II

29.311 Special Topic: Distributive Justice
A critical introduction to the current major theories of distributive justice.
Note: The same paper is offered as Political Studies 30.320, and will be taught by that Department.

29.312 Special Topic: Kant and Early 19th Century German Philosophy
An examination of the development of German idealism from Kant to Hegel.

29.313 Special Topic: The Logic of Concepts in Political Philosophy
An examination of the major principles - such as liberty, equality, fraternity, toleration - which together constitute our changing notions of justice.

Note: The same paper is offered as Political Studies 30.325 and will be taught by that Department in the first half-year only.

*29.350 Issues in Applied Ethics
*29.351 Moral and Social Philosophy
*29.352 Selected Periods in the History of Philosophy
*29.353 Metaphysics, Knowledge and Meaning
*29.360 Logic and Method in Science and Philosophy
*29.361 Selected Topics in Philosophy of Science
*29.362 Philosophy of Mind
*29.363 Philosophy of the Life Sciences
*29.364 Current Issues in Philosophy and the Social Sciences

*T29.365 Topics in the History and Philosophy of Science

Philosophy for MA and Honours
For detailed information concerning the papers currently offered for Masters and other graduate and post-graduate degrees in Philosophy, consult the Guide to the MA in Philosophy. Copies of this brochure are available free from the Secretary, Philosophy Department, 1 Alfred Street. Prerequisites for enrolment for this degree are set out in the MA degree regulations and section (26) of the MA Schedule.

Note that 29.101 or T29.151 is a prerequisite for the M.A. in Philosophy. Under special circumstances, the Head of Department may give permission for 29.101 to be taken as a co-requisite in the first year of MA enrolment.

Seven papers, or with the approval of the Head of Department, either four papers and a thesis, or six papers and a research essay, are required for this degree. One paper may be chosen from those offered in Philosophy III (29.300 to 29.313) which the student has not previously passed. All other papers are to be selected from 29.400 to 29.424, not all of which are offered in any one year. The selection must be approved by the Head of the Department, who will generally require that the chosen papers fall within at least three of the following areas of Philosophy: (i) Theoretical Philosophy (Metaphysics, Epistemology, etc.); (ii) Practical Philosophy (Ethics, Political Philosophy, etc.); (iii) Logic; and (iv) History of Philosophy. Students intending to enrol for the MA in Philosophy must consult the Head of Department towards the end of the previous year. The choice of papers is to be made from the following list:

29.400 Ethics
29.401 Kant
29.402 Wittgenstein
29.403 Metaphysics
29.404 Philosophy of Language
29.405 Philosophical Psychology
29.406 Philosophy of Natural Science
29.407 Philosophy of Social Science
29.408 Philosophy of History
29.409 Philosophy of Mathematics
29.410 Philosophical Logic
29.411 Mathematical Logic
29.412 Topics in the History of Philosophy I
29.413 Topics in the History of Philosophy II
29.414 Topics in the History of Philosophy III
29.415 Topics in Modern Philosophy
29.416 Modern Continental Philosophy
29.417 Aesthetics
29.418 Special Topic
29.419 Special Topic
29.420 Special Studies

Candidates will be required to write a long essay (or essays) within a field of Philosophy to be specified by the Head of Department. There will be no examination paper.

29.421 Special Topic
29.422 Special Topic
29.423 Special Topic
29.424 Special Topic
29.601 Thesis
Equivalent to three papers.
29.603 Research Essay
Equivalent to one paper.
Note: Under Clause 7 of the MA degree regulations, permission may be given for a candidate for the MA to take up to two papers in another subject or subjects related to the candidate's research interests.

DEPARTMENT OF PHYSICS

Physics I
31.101 The Physical Universe
The paper is descriptive in nature, requires a minimal background in mathematics and physics. It gives an overview of the major developments in Physics since the times of the Greeks. It discusses how the evolution of Physics from the Classical to the Modern period has given rise to philosophical problems and concludes with an outline of the current unanswered problems in our understanding of the universe.
31.102 The World of Physics
This paper seeks to provide an understanding of many of the phenomena of the natural world around us and the physics of many human activities. For further details consult the BSc schedule.

DEPARTMENT OF POLITICAL STUDIES

Political Studies I
30.106 Foreign and Defence Policies World Survey
An introduction to the theories and practices of current international relations followed by reviews of eight key states' international political, economic and military policies and decision-making processes.
30.107 Introduction to New Zealand Politics
An examination of who governs New Zealand and in whose interests. Topics include: parties and interest groups, elections and voting behaviour, women and politics, and the place of the Maori within the political system.
30.109 Major Political Thinkers in the Western Tradition
30.110 Introduction to Comparative Politics
An introduction to the form, function and evolution of political institutions and processes in liberal democracies, and to the methods and purposes of comparative politics.
T30.111 Introduction to International Relations (Japan and China)
Introduces students to the theory and practice of international relations with special reference to the foreign policies of Japan and China and their place in the contemporary world. China with its size and potential and Japan which is already one of the world's economic giants will be major players on the global scene in the 21st Century.
T30.112 Introductory Comparative Politics
In this paper students are introduced to the various ways in which political systems can be compared. Examples will be drawn from New Zealand, Britain, the United States, Germany, France and Russia. Student will be prepared for advanced studies in the politics of individual countries and regions and also papers in political philosophy, political behaviour, political institutions and public policy making.

Political Studies II
*30.201 British Politics
30.204 New Zealand Foreign Policy
A review of the history, interests, institutions, and policies of New Zealand foreign policy-making with bilateral, multilateral, and sectoral case studies.
*30.209 Modern Political Ideologies
A survey of the major ideological trends in western thought since the eighteenth century, focusing on variants of liberalism and socialism.
30.211 Public Administration: Central and Local
An introduction to the basic concepts of public administration and the bureaucracy, and the structures and processes of management in the public sector.
30.213 Women and Politics
Gender politics including feminist conceptions of politics and women's participation in decision making.
30.214 Democracy in Theory and Practice
Examination of ideas about democracy and how they relate to current arguments in New Zealand about the electoral system and other aspects of representation.
30.215 Russian and Post-Soviet Politics
An introduction to the political history, ideology, political systems and institutions, economic, political, social problems and international relations of Russia and other ex-Soviet states.
*30.217 South Pacific Foreign Affairs
30.218 U.S. Politics
An introduction to the main institutions of the Presidency, Congress, and the Supreme Court together with studies of recent developments in a variety of issues such as abortion law, military spending, gun control.
T30.219 Comparative Politics : China and Japan
The political system of China and Japan in the framework of comparative politics.
T30.220 The New Europe in the World Economy
This paper examines the establishment, structure and functioning of the European Community, its move towards a single market in 1992, the Maastricht Treaty, and prospects for the future. The collapse of communism in Eastern Europe and the transition to democracy and free markets are also studied. Both are examined in the context of integration and nationalist theories. Europe's relations with its major trading partners and rivals, Japan and the USA (and NAFTA) are covered.
T30.221 Public Policy, Economic Reform and Social Change in New Zealand
*30.222 Special Topic
*30.223 Special Topic
30.224 Community, Society and Rights
Philosophical problems concerning the relationship amongst members of society, involving issues of liberty, autonomy and authority. Topics will include a study of contractarian views and their application to the Treaty of Waitangi.
Note: The same paper is offered as Philosophy 29.205 and will be taught by that Department.

Asian Politics II
*30.210 Southeast Asian Foreign Policies
*30.216 Politics of Japan
An introduction to the political history, political systems and institutions, political economy, contemporary politics and international relations of Japan.

Political Studies III
*30.301 A Topic in the Structure of International Relations and the Formulation of Foreign Policy
*30.302 Ethnicity, Sovereignty and International Order in (Southern) Africa
An investigation of the role of international institutions and non-governmental organisations where the universalism of human rights, the particularism of ethnic claims and the sovereignty of states conflict. Case studies in Southern Africa (Angola, Mozambique, Namibia, South Africa etc.) form the core of the course.
30.304 Political Learning and Political Behaviour
Determinants of and trends in voting behaviour in liberal democracies as gleaned from the techniques of international survey research.
*30.305 Special Topic
*30.306 Data Analysis in Political Studies
Introduction to basic statistical techniques using real New Zealand data from the census and 1990 election surveys.
*30.307 Integration and Nationalism in Europe
Nationalism versus Integration in East and West Europe.
30.309 Television Audiences
An examination of the various approaches to television audiences, concentrating on attempts to explain television's impact on political attitudes and behaviour.

∗30.310 Public Administration: Theory and Process
∗30.311 Comparative Public Policy

30.312 Green Politics
Modern environmental problems, ecological thinking, and Green politics movements in a variety of countries are explored.

30.314 Public Policy: Models of the Welfare State
Models of the Welfare State and their restructuring in selected English-speaking democracies, including New Zealand.

∗30.315 Australian Politics
∗30.318 International Relations
The development of an analytical framework of international relations, including such topics as nuclear proliferation, terrorism, ethnic or religious conflict, sphere of interest disputes, arms control, peace-keeping or peace-making, trade, human rights. Case studies will be mainly, though not exclusively, taken from East Asia.

∗30.319 God, Reason and History: Political Thinking in Europe c.1640-c.1848
A study of some pre-enlightenment and post-enlightenment thinkers, mainly in England, Scotland and France. Its purpose - besides acquainting students with writers like Filmer, Locke, Montesquieu, Hume, Adam Smith, Fergusson, Rousseau and Bentham - is to consider the different uses to which the ideas of God, reason and history were put by them and the traditions of political thinking in which they elaborated the implications (intellectual as well as political) of their ideas.

30.320 Distributive Justice
The main recent theories of distributive justice: utilitarianism, Rawls, Dworkin, Nozick and Gauthier. Analysis of well being, rights, equality, desert and other concepts as they figure in those theories.

30.321 Special Topic
In 1995: Foreign Policy of Russia and other ex-Soviet States Analysis of continuity and change in the emerging foreign policy of Russia and other post-Soviet states, and of Russia's role in the Asia Pacific.

†T30.322 Comparative Politics: Latin American
†T30.323 Environmental Politics in Developing Nations
Introduction to the political economy of China, Japan, Korea and the Russian Far East, and to the study of North Asia as an emerging region in international political economy.

30.325 Special Topic: The Logic of Concepts in Political Philosophy
Political philosophy principally examines the logical tenability of moral claims in politics. The approach adopted here is not to establish and defend the principles of justice. It is rather to explore each of the major principles - such as liberty, equality, fraternity, tolerance - which together variably constitute our changing notions of justice.

Asian Politics III
∗30.313 Politics of China

Political Studies for MA and Honours
Four papers and a thesis (30.601) which shall count as three papers; or six papers and a research essay (30.603) which shall count as one paper; or seven papers. The papers shall be selected from 30.400 to 30.430 and 30.500 as prescribed for DipLGA. One paper which the student has not previously passed may be taken from 30.300 to 30.325 unless a Stage 3 from another subject is taken under Clause 7 of the MA degree regulations. A candidate presenting a thesis must attempt four papers in the first year. All candidates shall take four papers in their first year, and will be expected to complete the remainder, being three papers, or a thesis, or two papers and a research essay, in the following year. Only in special circumstances and with the approval of the Head of Department will permission be given for a candidate taking seven papers or six papers and a research essay either to present three papers in the first year and the remainder in the following year, or to spread the course over three years by taking either one paper or the research essay in the third year. Other combinations may be approved in special cases under certain conditions.

A candidate presenting a research essay must submit it by 1 November in the year of presentation. The research essay must be on a topic approved by the Head of Department and shall not exceed 20,000 words.

The thesis shall not, without express permission of the Head of Department, exceed 60,000 words. The prerequisites for the MA course are eight papers in the subjects Political Studies and Asian Politics including three Stage III papers.

∗30.400 Ideology and Politics in Asia
∗30.401 A Topic on the Role of Minority Ethnic Groups in Politics

30.402 Comparative Urban Government: England and the United States
The structure and processes, both managerial and political, on which city government is grounded.

30.403 Political Economy of Information
The impact of convergence in information and communication technologies; the concomitant development of public policy in the fields of information and communication; and the transformations in news and information markets with their accompanying ethical problems. A course guide is available from the department office.

30.407 Thomas Hobbes and His Times
30.408 Political Context of Television

30.410 Public Choice and Liberal Theory
30.412 American Presidency and Supreme Court
Covers major issues involving recent Presidencies and then shifts to look at some of the politically potent areas covered by recent Supreme Court decisions.

30.413 Public Administration: Current New Zealand Issues
Analysis of selected institutional, operational, personnel and political issues.

∗30.416 Scandinavian Democracies in Comparative Perspective

30.419 New Zealand Political Parties
Examines the rapidly changing party system, including the restructuring of National and Labour, growth of the Alliance, and emergence of new parties to contest the first MMP election. Considers the distinguishing characteristics of multi-party democracy, including coalition formation.

30.420 Elections and Voters
Details of the FPP and MMP systems have been widely discussed in New Zealand in recent years. With the imminent change to MMP, debate over the effect of the electoral system on other aspects of political life continues. This paper looks at the academic work that relates to such debates. We will start by familiarising ourselves with the workings of alternative systems. Later sessions will focus on particular aspects or consequences of elections.

Some areas that we could cover are: Maori representation; how parties operate; why fewer women than men are MPs; government formation; wooing voters.

†T30.422 Conflict Resolution
The methods, scope, theories and findings in International Conflict Analysis. The causes, processes, management and terminations of international and intercommunal conflict. A course guide is available from the department office.

30.423 Topics in Political Theory
Freedom and the state (e.g. censorship, political obligation), justice (e.g. obligations to future generations), rationality and decision theory, markets, welfare and socialism, and democracy.

∗30.424 Identity Politics
30.425 Political Economy of Trade
A comparison of theories of trade drawn from neo-classical economics and realist international relations studies followed by case studies in trade policy-making by major trading states in unilaterial, bilateral, and multilateral contexts.

30.426 Security Studies
Studies on global peace and security issues such as arms control, peacemaking and peacekeeping, strategy and defence, war and law enforcement.

30.427 Ethnic Conflict in the CIS (former Soviet Union)
An examination of the historic roots of thaein current national disputes in the CIS as well as of major internal and external factors shaping them today. Analysis of strategic, economic and humanitarian implications of ethnic conflicts in the CIS, the role of UN and other mediators involved in their resolution.

30.428 Special Topic
An examination of the current political and security environment in the Asia-Pacific region in the light of the new balances of power, revised perceptions of security, greater diplomatic complexity and more distinct regional entities in the post-Cold War era.

30.429 Feminist Political Theory
Analysis of feminist contributions in recent political theory: feminist interpretations of Jurgen Habermas and Hannah Arendt; ethics of care feminism, feminists on justice, material feminism, and Italian, French and American difference feminism.

30.430 China in World Politics
An examination of the People's Republic of China in world politics and international economy since 1949, and studies of China's foreign policy making process.

*30.500 The New Zealand Local Government System.
The legal basis, structures, processes and politics of the system, with particular reference to reorganisation, finance, service delivery and the participants.

DEPARTMENT OF PSYCHOLOGY
Note: (i) Students taking advanced courses are advised to consult with the lecturers concerned before purchasing books.
(ii) The Schedule attached to the Course Regulations for the Degree of BA should be consulted for pre and corequisites.

Psychology I
Two papers are offered for Psychology I which together provide a general introduction to the psychological study of behaviour. The papers may be taken separately. However, passes in 32.108 or 32.118, or T32.128 and in 32.109 or T32.129 are necessary for entry to Stage II.

32.108 Introduction to General Psychology
Topics covered may include: the neurobiological basis of behaviour; developmental psychology; social psychology; mental abilities and measurement; personality; causes and treatment of psychopathology; research design and analysis. (Tutorial attendance of 1 hour per fortnight is required.)

32.109 Introduction to Experimental Psychology
Topics covered may include: learning; sensation and perception; memory, cognition and language. (Laboratory attendance of 2 hours per week is required.)

32.118 Introduction to General Psychology
As prescribed for 32.108. This paper is taught on the campus of the Auckland College of Education.

*32.119 Introduction to Experimental Psychology
As prescribed for 32.109. This paper is taught on the campus of the Auckland College of Education.

T32.128 Psychology as a Social Science
An introduction to psychology as a social science, including the study of social and organisational psychology, developmental psychology, the measurement of mental abilities, and abnormal psychology.

T32.129 Psychology as an Experimental Science
This course stresses the scientific bases of modern psychology, including the study of biological psychology, the psychology of learning, sensation, perception, cognition, and language. Topics in applied experimental psychology may also be introduced.

Psychology II
A pass in three Stage II papers in Psychology, and one Stage I Statistics paper is necessary for entry to Stage III.

32.220 Human Experimental Psychology
An introduction to the study of perception and cognition. Topics covered include perception, attention, memory, language and thinking. The value of experimental methods in this area of psychology is illustrated with a variety of tutorials, laboratory demonstrations and experiments.

32.230 Introduction to Neuroscience
A basic introduction to the structure and function of the brain, neuropsychology, and genetic and hormonal influences on behaviour, with applications to animal and human behaviour and cognition.

32.240 Social and Developmental Psychology
An introduction to the study of social behaviour and change across the life-span in human behaviour. Half the paper will include such topics as social cognition, social influence, attitudes, small group processes, social interaction, altruism and aggression. The other half of the paper will be devoted to behaviour changes in infancy, adolescence and adulthood. Socioemotional developments will be emphasised in the Developmental Psychology section.

32.250 Animal Learning and Behaviour
A consideration of the environmental factors that control and modify animal (including human) behaviour. Generally, an experimental laboratory approach is taken, though some topics require also an ecological approach. Theories, especially quantitative theories, are stressed. Topics include: law of effect, contingencies of reinforcement, antecedent control, choice, foraging, memory, signal detection, experimental design, and self control.

T32.261 Experimental Psychology
An introduction to research in a wide range of areas of experimental psychology, with some emphasis on the application of research findings to practical problems. Specific topics may include experimental and applied behaviour analysis, vision, hearing, haptic perception, memory, language, and their physiological underpinnings.

T32.262 Psychological Methods
This paper offers a broadly-based introductory treatment of methodologies widely used in psychological research. Topics will include experimental design, survey, design, data analysis, questionnaire construction, single-subject techniques, observation, and psychological testing. Other topics may be included, depending on the interests and availability of staff.

T32.263 Social and Organizational Psychology
The first half of this paper is an introduction to social psychology. Topics include: non-verbal communication, attitude learning, attitudes and behaviour, prejudice and discrimination, interpersonal attraction, social influence, prosocial behaviour, aggression, social exchange, group decision-making, and some effects of the physical environment upon behaviour.

The second half of the paper is an introduction to organisational psychology. Topics include: the nature of work groups, communication in organisations, approaches to work motivation, conflict resolution, and personnel selection.

Psychology III
Either a pass in 32.306 and three other Stage III papers in Psychology or in special circumstances and with approval of the Head of Department 32.306 and two other Stage III papers in Psychology is necessary for entry to MA and Honours in Psychology.

32.301 The Psychology of Individual Differences
A study of individual differences and their measurement, and of the construction and use of psychometric tests.

*32.303 Cognitive Science
Cognitive theories of the mind, including symbol-based and connectionist models. Topics covered include attention, pattern recognition, memory, language and thinking.

Note: Prior experience with computers is not necessary.
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Faculty of Arts

*32.304 Personality and Psychotherapy
A study of theories of personality with emphasis on their relevance to psychotherapy, various social contexts, and personal growth.

32.305 Human Neuroscience
This course deals with issues relating central nervous system function to psychological performance. In particular the relationships between cognitive and perceptual processes and measures of EEG; the effects of drugs and other substances in biological and psychological variables; and the biological basis of normal and abnormal memory function.

32.306 Research Methods in Psychology
This course deals with principles and methods relevant to psychological research. Topics include research design, measurement of behaviour, describing and analysing data, and interpreting research findings. The scope is broad, including applied as well as pure research, and research with single cases as well as groups. Qualitative and quantitative methods are covered.

†T32.306 Research Methods in Psychology
As prescribed for 32.306. This paper is taught at the Tamaki Campus.

†32.307 The Psychological Analysis of Vision and Hearing
Aspects of visual perception affecting behaviour in a variety of environments will be discussed. A study of the effects of noise on people and some relations between normal and pathological hearing will also be covered.

Note: A laboratory project, in which students are required to participate at subjects, forms part of the course.

32.308 Research Topic
A research topic undertaken under the supervision of a staff member and written up for presentation instead of a final paper.

†T32.308 Research Topic
As prescribed for 32.308. This paper is taught at the Tamaki Campus.

32.309 Learning
A discussion of how behaviour is controlled and modified in animals by consequent reinforcers and punishers. Emphasis is on laboratory research using animals, with some human data also considered. The theoretical approach taken is mainly quantitative.

32.310 Social Psychology
An examination of how individuals and groups interact in their social environment. Contemporary social psychological theory is examined within the context of Aotearoa and particular attention is given to issues of Maori/Pakeha relations and gender relations.

32.311 Organisational Psychology
Psychological aspects of organisations, applying theory to the world of work. Topics covered are worked motivation, work-related group processes, turnover and absenteeism, stress, climate and culture, groups, leadership and organisational development, and personnel psychology.

†T32.311 Organisational Psychology
As prescribed for 32.311. This paper is taught at the Tamaki Campus.

†32.312 Special Topic in Psychology
*32.314 Ergonomics
An overview of methods of improving human well-being and productivity by optimising person-machine-environment systems.

32.314 Ergonomics
An examination of the major problems of children and adults that cause people to seek or receive psychological help. Topics include classification and effects of defining and labelling individuals as 'abnormal', models and practice of service delivery (institutions, community mental health, prevention), and an introduction to clinical neuropsychology.

32.316 Child Psychology
Topics from the learning, cognitive, social and emotional domains of child development will be covered, together with some of the challenges associated with the parenting of children.

32.317 Animal Behaviour and Cognition
Do other animals have language? Do they have culture? Can human behaviour be explained in evolutionary terms? This paper addresses these questions and the methods that can be used to answer them. The paper will emphasize the importance of a comparative, evolutionary approach to the study of animal behaviour and cognition.

32.318 Cultural Psychology
We are aware that people all over the world speak different languages and have different cultural viewpoints, relating to core areas of human development: cognition, learning, self, personality and gender. The paper will investigate cultural differences and similarities in these areas of psychological development using interdisciplinary perspectives and research methods.

†T32.319 Applied Cognitive Psychology
This paper is designed to extend theoretical conceptions and models in cognitive psychology to a variety of applied settings, and to assess the extent to which such theoretical accounts can be applied. It will deal primarily with psychological analyses and appraisals of problems of perception, memory, attention, thinking, and language as they are evident in everyday human activity.

†T32.320 Learning and Memory
A treatment of how behaviour is controlled by prior and subsequent events, drawing on both animal and human experimental research. Topics include quantitative models of behaviour, signal detection, stimulus control, theories of learning, memory and behaviour modification.

†T32.323 Social Behaviour
This concentrates on social functioning in both intergroup and intragroup settings.

Psychology for MA and Honours
(Four papers and a thesis 32.601 which is equivalent to three papers.)

Students in consultation with the Head of the Department will select their papers from among the following:

*32.401 History of Psychology
An historical account of psychology with special reference to the aspirations and activities of influential psychologists.

32.403 Applied Analysis of Human Behaviour
An examination of general issues in behaviour analysis, of approaches to psychological assessment, and of the application of behavioural techniques to psychological phenomena.

32.404 Sensation and Perception
An examination of issues in the study of perception.

32.408 Clinical Neuropsychology
An examination of the relation between the brain and mental functioning with an emphasis on clinical cases of brain damage.

32.409 Theory and Practice in Clinical Psychology
This course is concerned with the categories of psychological problems most commonly encountered by practitioners. Included are problems of children and adults. In respect of each disorder attention will be given to the different theories of causation that inform clinical practice. Models of therapy derived from such theories will be dealt with. Attention will be given to research and evaluation methods in clinical psychology.

32.410 Advanced Operant Behaviour
An advanced study of selected topics in learning at the level of current research.

32.411 Social Psychology
An examination of selected research topics in social psychology with a special emphasis on the underlying theories.

†T32.434 Advanced Child Psychology
Topics covered may include early cognitive development, language and reading development, attachment, temperament, self-regulation, social competence and behavioural problems.

32.415 Critical Issues in Psychology
An examination of methodological, metatheoretical and social issues affecting the study and practice of psychology.

†T32.418 Special Topic in Psychology
1994: Learning Disabilities: Assessment and Intervention
32.419 Psychological Research
An advanced treatment of research techniques in psychology, emphasising analysis of variance, regression, categorical analysis, quasi-experimental designs and evaluation, and computer solutions for these techniques.

32.420 Research Topic in Psychology
A research topic undertaken under the supervision of a staff member and written up for presentation instead of a final paper.

*32.421 Theories and Practices of Psychotherapy
A study of a variety of psychotherapies with emphasis on their local relevance, problems of matching methods to individual people as well as to social contexts, and the importance of emotional processes in the maintenance of well-being.

32.422 Learning Disabilities
This course provides training in the theory, identification and treatment of learning disabilities. Both developmental and acquired disabilities are covered. Prerequisite: 32.210 and 32.301 Corequisite: 32.403

*32.423 Issues in Cognitive Science
An introduction to cognitive science with a principal focus on cognitive psychology. The course will discuss both fundamental issues concerning the mind-computer analogy, and also practical issues concerning the impact and use of information technology in everyday life.

32.424 Mind and Brain
An introduction to cognitive neuropsychology. Topics covered will include studies of perception, memory, and language from a neuropsychological perspective.

*32.425 Gender Issues in Human Development
A study of the impact of gender on psychological and social development and functioning, with an emphasis on theories and recent research.

*32.426 Human Factors
An investigation of the effects on psychological and task related performance of: sleep deprivation, circadian dysrhythmia in travel and shift work, environmental stressors, alcohol, prescription medication and other commonly used psycho-active substances. A particular emphasis running through the course will be the role of these and other factors on accidents.

32.427 Contemporary Theory and Clinical Psychology
An introduction to contemporary theory (e.g. postmodernisms, feminisms) and issues which have important implications for clinical psychology practice and research.

32.428 Applied Social Psychology
An introduction to the application of social psychological theory and research methods in a community setting. This course will build on the theoretical skills students have developed in 32.306 and 32.311. Prerequisites: 32.306 and 32.311. Restriction: 32.420.

32.429 Language and Speech
A study of selected topics in the literature on language and speech. The main focus of the course will be speech and language processing by normal adults, but other potential topics include language development and artificial intelligence approaches to natural language processing.

*32.430 Applied Psychophysics: From Research to Practice
The course considers the application of detection theory, ROC analysis, and other psychophysical techniques to a range of problems in psychology, medicine, and industry.

*32.431 Advanced Topics in Human Neuroscience
Topics to be covered will include: the relationship between cognitive function and higher cortical activity; EEG measures of sensation and perception; EEG as a diagnostic and research tool in Neuropsychology; sleep as an active and necessary physiological state; and evaluations of current brain imaging and modelling technologies.

32.432 Advanced Cultural Psychology
This course looks at current issues where the cultural component has significant bearing on how people perceive themselves and others in various social contexts. Applied research is emphasised with the underlying objective of trying to understand more completely why people think and behave as they do in specific situations. General topics will include: Culture and Imperialism, Culture and Identity, Culture and Conflict, and Culture and Language. Prerequisite: 32.318.

DEPARTMENT OF ROMANCE LANGUAGES

FRENCH
A guide to French Studies at Auckland is available from the Romance Languages Department, Arts I Building.

French Stage I
34.100 Language Acquisition
Students with less than 50% in Bursary French should consult the Head of Section. Particularly strong students may be considered for direct entry to 34.200. Oral and written expression in French, aural and written comprehension in French.

Three hours per week.

34.101 Twentieth Century Literary Texts
An introduction to Twentieth Century French Literature through a selection of prose, poetry and drama.

34.151, 34.152 French for Beginners 1 and 2
This is a four-skill language course for beginners or near-begginers. It is taught as an integrated course, entry to which is by consent of the Head of Section; the corequisite requirements will not normally be waived. Six hours per week.

Note: Students are advised that those eligible for 34.100 will not be accepted for this course.

French Stage II
34.200 Language Acquisition
Oral and written expression in French, aural and written comprehension; tested in some or all of the following ways: comprehension, conversation, composition, exposition of a topic, translation, dictation, reading aloud, with linguistic and stylistic analysis.

34.201 Nineteenth and/or Twentieth Century Literary Texts

*34.202 Nineteenth and/or Twentieth Century Literary Texts
1995: Romance and After

*34.205 Medieval Texts
*34.210 Le Français des Métiers
Written and oral application of the language to tourism, secretariat, the professions.

34.214 Applied Language Studies
A study of the structure of French with reference to different linguistic models and their relevance for teaching.

34.218 Historicity and Variation in French
An introduction to French linguistics, the history of French, and regional variation in French.

French Stage III
34.300 Language Acquisition
Oral and written expression in French, aural and written comprehension; tested in some or all of the following ways: comprehension, conversation, composition, exposition of a topic; translation, dictation, reading aloud; with linguistic and stylistic analysis.

*34.302 Seventeenth and Eighteenth Century Texts
34.306 Mediaeval French Language
*34.307 A Literary Topic
*34.308 A Topic in Nineteenth and/or Twentieth Century Literature
34.309 A Topic in Nineteenth and/or Twentieth Century Literature
1995: Novels

34.310 Seventeenth and Eighteenth Century Literary Texts
1995: Classical Theatre
Faculty of Arts

34.318 L'Espace francophone: French in France and Overseas
*34.320 Traduction et interprétation consécutive du français
*34.322 A Linguistic Topic

French for MA and Honours

The requirements are given in section (10) of the MA Schedule, and Languages and Literature including French in section (18) of the MA Schedule. Paper 34.400 is compulsory, and a minimum pass of 50% in this paper is required. All intending MA students should consult staff in the year preceding enrolment.

34.400 Language Acquisition

Oral and written use of French, tested by: comprehension, conversation, composition, exposition of an unprepared topic, translation, dictation, reading aloud; with linguistic and stylistic analysis.

(Prerequisite: 34.300.)

Pre-Modern Language and Literature:

34.401 A Special Topic in Old French Language and/or Literature
1995: Old French Literature of the Crusades
*34.412 A Special Topic in Old French Language and/or Literature
*34.402 A Special Topic in Middle French Language and/or Literature
*34.413 A Special Topic in Middle French Language and/or Literature

1995: Sixteenth Century Vocabulary

Modern Literature (17th to 20th Centuries):

34.423 A Special Topic
1995: Twentieth Century Theatre
34.424 A Special Topic
34.425 A Special Topic
1995: Classical Theatre
34.426 A Special Topic
1995: Nineteenth and Twentieth Century Literature and Society.
*34.427 An Approved Topic

French Linguistics:

*34.416 A Special Topic
34.417 Applied Linguistics
34.419 Creolization of Language: French
*34.420 An Approved Topic

Other Aspects of French Civilisation:

34.410 A Special Topic
1995: La femme en France au 19e siècle
*34.411 A Special Topic
*34.428 A Special Topic
*34.429 An Approved Topic

Research Options:

34.601 Thesis
(Equivalent to 3 papers.)
34.603 Research Essay
(Equivalent to 1 paper)

ITALIAN

Italian I

A guide to Italian studies at Auckland is available from the Romance Languages Department, Arts I Building. Students are warmly invited to visit the Italian lecturers before enrolment to discuss courses. It is best to phone to make an appointment.

*35.104 Italian Language in Opera and Song
Primarily intended for singers. Comprehension and pronunciation. Study of Italian texts of operatic libretti, madrigals, songs. May be taken by both BA students and students from the Faculty of Music.

35.106 and 35.107 Italian Language Studies (i) and (ii)
Open to beginners and more advanced students, these papers must be taken together. Students learn to speak, read and write Italian, and in addition, aspects of the history of Italian culture, contemporary life, society, politics and thought will be studied.

35.110 Images of Women in 20th Century Italian Literature
A study of the representation of women’s experience in works by Italian women and men, using texts translated into English. One lecture and one tutorial per week. (Separate tutorial for students taking Italian language papers, who will read short texts later in the year in Italian.)
*35.111 A Special Topic

Italian II

35.200 Language Acquisition
Developing writing, reading, aural and oral skills at a more advanced level through practice on a wide range of written texts and current audio-visual material. Three hours per week. Weekly assignments. May be combined with any one or more of the following papers for Italian II:
35.204 Italian Fiction and Cinema
Introduction to the study of Italian narrative.
*35.209 Major Themes in Italian Renaissance Culture (i)
General topics are covered in English but texts are read in Italian. This paper is for students advancing in Italian.
*35.210 Major Themes in Italian Renaissance Culture (ii)
This paper is taught entirely in English for students not advancing in Italian and has no Italian language prerequisite or corequisite.
35.231 Twentieth Century Drama and Poetry
*35.232 A Special Topic
35.233 C. Goldoni's Theatre of Reform

Italian III

35.300 Language Acquisition
This paper builds on the language skills acquired in Italian 35.200 focusing on selected topics in more specialised contexts. Three hours per week. Weekly assignments. May be combined with any one or more of the following papers for Italian III:
35.302 Fourteenth Century Literary Texts: Dante
35.303 Fourteenth Century Literary Texts: Boccaccio and Petrarch
*35.312 Linguistics: Principles and Methods Applied to the Study of Contemporary Italian
35.322 L'italiano nel mondo del lavoro: Working with Italian
A practical course in translation from Italian to English.
*35.331 A Special Topic in Italian Literature or Film
35.332 Breaking the Frame: A Problem in Italian Literature and Visual Arts.
35.334 A Special Topic
*35.335 Theatre and Reality in 18th Century Italy

Italian for MA and Honours

The specific requirements for Italian are given in MA Schedule (17) and Languages and Literature including Italian in MA Schedule (19). Paper 35.400 is compulsory and a minimum pass of 50% in this paper is required. Intending MA students should consult with the Italian staff during their final BA year. In any given year only a small number of the following papers will be available.

35.400 Language Acquisition: Oral and Written Use of Italian
Tested in some or all of the following ways: translation, composition, conversation, comprehension, reading.
35.402 L'italiano nel mondo del lavoro: Working with Italian.
35.403 Linguistics: Principles and Methods Applied to the Study of Contemporary Italian
35.404 A Special Linguistics Topic
35.405 Thirteenth Century Literature
35.406 The Works of Dante
35.407 The Works of Boccaccio and the Genesis of Italian Prose
35.408 The Italian Theatre of the Renaissance: Teatro Erudito and Commedia dell' Arte
35.412 Pirandello and 20th Century Drama: Futurism, Pirandello, Dario Fo
35.413 A Special Topic in 20th Century Italian Poetry
35.414 20th Century Italian Novel: I. Calvino
35.415 Politics and the Novel
35.416 20th Century Italian Novel: L. Sciascia
35.420 Methodologies of Literary Criticism
35.421 An Approved Topic in Linguistics
35.422 Cinematic Discourse
35.423 An Approved Literary or Cultural Topic
35.424 An Approved Literary or Cultural Topic
35.425 Nineteenth Century Literary or Cultural Topic
35.426 Contemporary Italian Literature: Realism - Neorealism
35.601 Thesis (Equivalent to 3 papers.)
35.603 Research Essay (Equivalent to 1 paper)
35.604 Dissertation (Equivalent to 2 papers)

SPANISH

Spanish Stage I

*45.101 Selected Texts in Twentieth Century Literature
One lecture per week; compulsory tutorials; two essays.

*45.102 Language: Oral, Aural and Reading
Comprehension, Translation from Spanish to English
One lecture per week; one oral class; one language laboratory session.

45.103 Contemporary Hispanic Civilisation
One lecture and one video hour a week; compulsory tutorials; two essays, one tutorial paper.

45.104, 45.105 Language Acquisition
This is a course for beginners or near beginners.
Four lectures; one oral class; one language laboratory session; total 6 hours per week.
Language acquisition; oral and written expression in Spanish, aural and written comprehension; tested in some or all of the following ways: comprehension, explanation, conversation, composition, translation, dictation, reading aloud; with linguistic and stylistic analysis.

T45.104, T45.105 Language Acquisition
As prescribed for 45.104, 45.105. T45.104 and T45.105 are taught on the Tamaki Campus.

45.107, 45.108 Language Acquisition (Advanced)
Four lectures, one oral class, one optional audio-visual session; total six hours per week.
A special advanced course for students who already have a good command of Spanish. Acceptance into the course is on the basis of a preliminary test and permission of the Head of the Section. Students seeking admission to this course should consult with the Head of Section prior to making their application.

Spanish Stage II

45.200 Language Acquisition
Two lectures; one oral class; one language laboratory with tape.
Language acquisition: oral and written expression in Spanish, aural and written comprehension; tested in some or all of the following ways: Comprehension, explanation, conversation, composition, translation, dictation, reading aloud; with linguistic and stylistic analysis.

T45.200 Language Acquisition
As prescribed for 45.200. T45.200 is taught on the Tamaki Campus.

*45.201 Golden Age Literary Texts
One lecture weekly; compulsory tutorials; two essays, one tutorial paper.

45.202 Nineteenth and Twentieth Century Literary Texts
One lecture per week, compulsory tutorials; two essays, one tutorial paper.

*45.203 Literary Analysis, with Prescribed Texts
One lecture per week, compulsory tutorials; two essays, one tutorial paper.

45.204 Twentieth Century Latin American Texts
One lecture per week, compulsory tutorials; two essays, one tutorial paper.

45.206 Spanish Study Abroad Programme
One lecture per week second and third terms in Auckland; one tutorial paper, and one essay by end of third term. Four hours intensive language course per day and two hours lectures per week for four weeks in Spain; scheduled cultural activities in Spain; written and oral examination in Spain.

*45.207 Modern Hispanic Literature
One lecture and one tutorial per week. Two essays and one tutorial paper.

45.208 Language Acquisition (Advanced)
Two lectures and one practical language class. The follow-up course to Spanish 45.107, 45.108 developing and consolidating language skills acquired in the Stage I course.

*45.209 'Practising Critics' in the Hispanic World
One lecture and one tutorial per week. Two essays and one tutorial paper.
This paper provides a study of the intellectual currents in contemporary Hispanic writing. The texts will consist of critical works by well-known creative Hispanic writers.

*45.210 Introduction to Spanish Literature and its Context
One lecture and one tutorial per week. Two essays and one tutorial paper. This course will seek to generate a core of basic knowledge and critical awareness concerning the history of Spanish literature and its social and cultural context.

T45.209 "Practising Critics" in the Hispanic World
As prescribed for 45.209. T45.209 is taught on the Tamaki Campus.

T45.211 Inventing Latin America Through Literature (i)
General topics are covered in English, but texts are read in Spanish. This paper is for students advancing in Spanish. One lecture per week, compulsory tutorials; two essays, one tutorial paper.

T45.212 Inventing Latin America Through Literature (ii)
This paper is taught entirely in English for students not advancing in Spanish and has no Spanish language prerequisite or corequisite. One lecture per week, compulsory tutorials; two essays, one tutorial paper.

Spanish Stage III

45.300 Language Acquisition
Two lectures and one practical language class.
Language acquisition; oral and written expression in Spanish, aural and written comprehension; tested in some or all of the following ways: Comprehension, explanation, conversation, composition, translation, dictation, reading aloud; with linguistic and stylistic analysis.

*45.301 Mediaeval Literature
One lecture per week; compulsory tutorials; two essays, one tutorial paper.

*45.302 Golden Age Literature
One lecture per week; compulsory tutorials; two essays, one tutorial paper.

*45.303 Nineteenth Century Literary Texts
One lecture per week; compulsory tutorials; two essays; one tutorial paper.

45.304 Twentieth Century Literary Texts
One lecture per week; compulsory tutorials; two essays, one tutorial paper.

45.305 Twentieth Century Latin American Literary Texts
One lecture per week; compulsory tutorials; two essays, one tutorial paper.
**45.306 Spanish Study Abroad Programme**

One lecture per week second and third terms in Auckland; one tutorial paper, and one essay by end of third term. Four hours intensive language course per day and two hours lectures per week for four weeks in Spain; scheduled cultural activities in Spain; written and oral examination in Spain.

*45.307 Modern Hispanic Literature*

One lecture and one tutorial per week. Two essays and one tutorial paper.

**45.308 Language Acquisition (Advanced)**

One lecture; one oral class and one practical/language audio-visual session.

This is the third year advanced stream following on from 45.208.

**45.309 Introduction to Professional Translation**

Two lectures per week.

**45.310 Feminist Perspectives on Hispanic Literature**

One lecture per week; compulsory tutorials; two essays, one tutorial paper.

**Spanish for MA and Honours**

Four papers including 45.400 and a thesis (45.601) which counts as three papers; or six papers including 45.400 and a research essay (45.603) which counts as one paper.

The requirements are given in Section (30) of the MA Schedule; and Languages and Literature including Spanish in section (18) of the MA Schedule. Paper 45.400 is compulsory and a minimum pass of 50% in this paper is required. All intending MA students should consult staff in the year preceding enrolment.

**45.400 Language Acquisition**

Oral and written expression in Spanish, aural and written comprehension; tested in some or all of the following ways: comprehension, explanation, conversation, composition, exposition of an unprepared topic, translation, dictation, reading; with linguistic and stylistic analysis.

*45.401 A Topic in Mediaeval Literature*

*45.402 Golden Age Poetry*

*45.403 The Picarque novel*

*45.404 Major Dramatists of the 17th Century*

*45.405 Minor Dramatists of the 17th Century*

*45.406 Cervantes*

*45.407 The Nineteenth Century Novel*

*45.408 The '98 Generation*

*45.409 The Contemporary Spanish Novel*

*45.410 Twentieth Century Spanish Poetry*

*45.411 Twentieth Century Spanish Theatre*

*45.412 Twentieth Century Latin American Novel*

*45.413 Twentieth Century Latin American Poetry*

*45.414 Twentieth Century Latin American Theatre*

*45.415 Portuguese Language and a Topic in Twentieth Century Portuguese Literature*

*45.416 A Topic in Twentieth Century Brazilian Literature*

*45.417 Eighteenth Century Literature*

*45.418 Applied Linguistics as Related to Spanish*

*45.419 Research Techniques in Language and/or Literature*

*45.420 Special Topic in Spanish Literature*

*45.421 Special Topic in Latin American Literature*

*45.422 The History of Ideas*

*45.423 Linguistic Analysis of Spanish*

*45.424 Hispanic Women Writers*

*45.425 Introduction to Professional Translation*

*45.426 A Linguistic Topic*

*45.427 Historical Drama in Spanish*

†45.428 Advanced Literary Translation*

45.601 Thesis

(Equivalent to 3 papers.)

45.603 Research Essay

(Equivalent to 1 paper)
equivalents to them. Further details are available from the School recognised social work qualifications and have at least three years' students who do not comply with the prerequisites but who have experience in the practice of social work. The co-ordinating To enter the course students must have a bachelors degree and habilitation studies and other contemporary areas for social work study in areas such as advanced clinical practice, social service iwi development, health education/primary prevention, topics to social work. As such it allows for directed or specialist Philosophy, Political Studies, Psychology, Sociology and other linking degrees or programmes of study in Anthropology, Maori Studies, Economics, English, Education, Geography, History, t43.410 Language Acquisition: Russian *t43.411 The Structure of Russian *t43.412 The History of Russian From its Origins to 1800 *t43.413 The Russian Language in the 19th and 20th Centuries *t43.414 Lexicology and Practical Stylistics of Contemporary Standard Russian *t43.415 A Special Topic in Russian or Slavonic Linguistics 1995: A Linguistic Study of Croatian, Serbian and Czech Through Russian. *t43.416 A Special Topic in the Russian Language or Russian Linguistics *t43.417 An Approved Special Topic in Slavonic Languages, Literature or Cultures *t43.418 Research Methods in Russian and Slavonic Studies *t43.419 Studies in Early Russian Literature *t43.420 Studies in Eighteenth Century Russian Literature *t43.421 A Special Topic in Russian Poetry *t43.422 A Special Topic in Russian Prose *t43.423 A Special Study of a Russian Writer 1995: Moscow in Prerevolutionary Russian Literature and Culture. *t43.425 A Further Special Topic 43.611 Thesis 43.603 Research Essay

SAMOAN
See under PACIFIC STUDIES.

Papers in Samoan are co-ordinated by the Centre for Pacific Studies.

SOCIAL WORK
There is no undergraduate course in this field, but a MA course is offered. This does not provide basic professional training in social work. It is available to give advanced training to practitioners linking degrees or programmes of study in Anthropology, Maori Studies, Economics, English, Education, Geography, History, Philosophy, Political Studies, Psychology, Sociology and other topics to social work. As such it allows for directed or specialist study in areas such as advanced clinical practice, social service management, policy development, historical analysis, Maori and iwi development, health education/primary prevention, habilitation studies and other contemporary areas for social work training.

To enter the course students must have a bachelors degree and recognised social work qualifications and have at least three years' experience in the practice of social work. The co-ordinating committee for the degree may recommend entry to the degree for students who do not comply with the prerequisites but who have equivalents to them. Further details are available from the School of Social Work, Auckland College of Education, the office of the Dean of the Faculty of Arts, or Professor Marshall, Education.

690.400 Contemporary Social Work: Principles & Practice
This paper is a required course for all students doing a Master of Arts Degree in Social Work. It is taught by the School of Social Work at the Auckland College of Education. Any research project or thesis undertaken for the degree will also be co-supervised by the School of Social Work. 690.420 Research Project (1 paper) 690.601 Thesis (3 papers) 690.611 Thesis (2 papers)

DEPARTMENT OF SOCIOLOGY

Sociology I
82.100 Issues and Themes in Sociology
Introduction to sociology as a discipline and a review of some of its internal debates. Amongst the topics considered are the modern state, social class, family, gender, urbanism and the mass media.

Draws on material from a range of societies. 82.101 New Zealand Society: Structure and Change
A general introduction to the analysis of NZ society. It critically examines different perspectives on NZ's colonial origins and development, and contemporary problems of class, race and gender relations. It concludes by asking the question 'Where is NZ going?'.

82.102 Sociology and the Origins of the Modern World
Sociology is a modern discipline, born of the 'dual revolution'. The course studies French political experience between 1789 and 1871, and British industrialisation, to explore the nature of modernity. And hence, of course, why sociology takes its current intellectual shape.

82.103 Debates in Social Policy
An introduction to sociological analysis and inquiry through the examination of several social policy areas of importance in contemporary NZ, in terms of the social features of these issues, and then the sociology of the policy responses to them.

82.104 An Introduction to Sociological Analysis: Gender, Ethnicity and Class in New Zealand
A study of class, ethnicity and gender with close reference to New Zealand society. Intended for students who have completed an associated New Start course, this paper provides an introduction to sociology with a strong local focus.

Note: In 1995: 82.104 will be taught only on the premises of Manukau Polytechnic.

*82.110 Changing Societies: Ideas about Social Change
A review of theories of social change and the social consequences of various types of change. Theories of evolutionary, revolutionary and planned social change will be considered. The paper will also review anticipated and unanticipated consequences of social change, and the ways in which given changes affect various social groups.

*82.111 Work in Society
This paper will examine the ways in which work is organised and viewed in societies in and around the Pacific. It will explore the ways in which the organisation of work is shaped by interaction between technologies, local culture and economic imperatives imposed by national and international economies.

Sociology II
82.200 Social Theory and Modern Society
An introduction to the major themes of social theory. The focus of the course is on the analyses of modern society to be found in the works of classical and contemporary social analysts.

†82.201 Social Research Methods: An Informal Introduction
An introduction to social research methods through an examination of case-studies of different forms of both qualitative and quantitative social research.

†82.202 New Zealand Community Studies
New Zealand Community Studies begins with an exploration of both international and local approaches to studying communities. The focus then shifts to actual communities in New Zealand,
looking at current community issues, including devolution of health care and employment to 'the community', community promotion aimed at tourism, and the role of community newspapers.

82.204 Sociology and 'Social Problems'  
1995: Reason and Progress Reconsidered  
Analyses modern formulations of reason and progress implicit in the sociological study of social problems, and explores postmodern criticisms of these in light of the welfare state's apparent decline.  
*82.205 Class Analysis  
This course critically surveys the origins and development of class analysis from Marxist classics to recent approaches to gender, ethnicity, new middle class attitudes and political action. Special emphasis is given to recent NZ and Australian studies.  
*82.207 Sociology of the Family  
A survey course that introduces students to theories and methods about studying families. Material is both historical and contemporary, drawn from societies around the world.  
*82.208 Sociology of Work  
Examination of the social aspects of economic life from the perspectives of the sociology of occupations and work, with an emphasis on the development and application of analytical frameworks for studying work situations and occupations, and the development of an understanding of the NZ situation.  
82.209 Social Change and Modernisation: An Introduction to the Sociology of Development  
An introduction to the literature and debates in this field through an examination of selected topics such as poverty, multinationals, the informal economy and women in development.  
*82.210 Sociology of Colonialism  
Survey of patterns of colonial rule; changes in the organisation of production; labour migrations; education; role of collaborators.  
*82.211 Sociology and Popular Culture  
An interpretation of popular culture both as an indicator of social change and as a location of meaning and significance. Undertaken by the analysis of the industries which organise it, the texts which realise it, and the audiences which recognise it.  
82.212 Class, Race and Gender in Australia and New Zealand  
This course examines recent debates over the issues of class, ethnic and gender inequality in Australia and New Zealand; in particular those debates surrounding the 1988 Bicentenary and the 1990 'celebrations'. It critically compares liberal, radical and Marxist perspectives in advancing explanations of, and political solutions to, these issues.  
82.213 Ethnicity  
Theories of ethnicity; ethnic socialisation and resocialisation; ethnocide and ethnogenesis; ethnicity and the individual; ethnic social movements; ethnicity in local, national and international affairs.  
†82.214 Sociology of Gender  
Introduction to the sociology of gender through different theoretical and substantive analyses of the relations between women and men in contemporary society.  
82.215 Law, Inequality and the State  
Examines, in a narrative mode, how law as a set of social relations and categories can both create and remedy inequalities of gender, race and class.  

Sociology III  
*82.300 Industrial Sociology  
Concepts of nature and causes of industrial tension; theoretical models of industrial relations; industrial interest group profiles; future of industrial relations.  
*82.301 The State and the Transition to Socialism  
This paper will focus on the role of the state in political transitions, particularly from capitalism to socialism. It surveys the general historic role of the state to the present day, the strategies of transition to socialism in the post-capitalist states-USSR, China, Cuba, Vietnam, and examines the process of capitalist restoration taking place in those states.  
*82.302 Family and Gender in the Pacific  
An examination of current theoretical debates concerning families and gender, with a focus on cases drawn from New Zealand and other Pacific societies. Topics include the place of 'family' in sociological theorising; socialisation; embodiment; 'tradition' and gender; problems of studying across time and space; and New Zealand social policy.  
*82.303 Sociology of Religion  
Examining sociological accounts of the changing relationship between religion and the state in modern society, this course pays particular attention to two topics: contemporary religious movements and cults, and religion as a system of legitimisation.  
82.304 A Topic in Minority and Ethnic Relations  
1995: Pakeha Ethnicity: Issues and Processes  
This paper aims to encourage students to look critically at the conception of national identity. It will examine what is meant by national identity; how and why such identities come into being, what is meant by 'culture'; and the relationship between 'culture and identity'. The paper will focus on the New Zealand pakeha experience.  
82.305 Class, Race and Gender in Australia and New Zealand  
This course examines recent debates over the issues of class, ethnic and gender inequality in Australia and New Zealand; in particular those debates surrounding the 1988 Bicentenary and the 1990 'celebrations'. It critically compares liberal, radical and Marxist perspectives in advancing explanations of, and political solutions to, these issues.  
*82.307 The Pacific in the World System  
Brief history of post WWII theories of economic development; Wallerstein and the elements of the Modern World System; the modern world system and the patterns of development in the Pacific; linkages between core and semi- periphery Britain, US, East Asia and Aotearoa/New Zealand; linkages between semi-periphery and periphery Aotearoa/New Zealand and Western Samoa; limitations of world systems models.  
82.308 Law in Society  
Survey of theoretical and practical approaches to understanding the relationship between law and society in the modern state. Emphasis on their potential application in New Zealand society.  
*82.309 Social Policy, Planning and the State  
This is a sociology paper which takes planning - very broadly defined - as its field of study. Though it is not a planning paper, those with a special interest in planning should find this paper interesting. We will examine different conceptions of what social policy comprises, and who should benefit, by examining the state theories that underpin those conceptions. Planning in the sense of land use control will be studied as a particular form of social policy intervention. At a more abstract level we shall see that some variants of social policy analysis see planning as part of the solution, others as part of the problem.  
82.310 Applied Social Research  
This paper develops methodological competence in applied social research methods within a wide and critical framework of understanding of the social policy process and apparatus.  
82.311 Science, Technology and Industry  
An examination of the relation between science, technology and other social institutions, the internal relations of scientific communities and the social consequences of science and technology.  
*82.312 Sociological Analysis and Method  
A detailed, empirically-grounded examination of sociological methodology. Four models cover different modes of sociological investigation. Modules offered will differ from year to year.  
82.313 Sociology of Contemporary Asia  
Broad survey of socio-historical transformation in Asia: historical patterns of development; colonialisation and nationalism; social, economic, and political trends of the post-World War II period; deindustrialisation and reindustrialisation.  
82.314 Women/Deviance: The Politics of Naming  
Analyses the construction of images and representations of women in relation to conceptions of normality and deviance in
bodies, reproduction, and popular culture; considers the creation of feminist epistemologies.

*82.315 Sociology of the Arts
Detailed study of sociological approaches to 'high culture': literature, music, painting and sculpture.

*82.316 Research Projects: Design and Practice
Research problem formulation and refinement; searching and reviewing literatures; designing and redesigning research strategies; ethical issues and procedures; calculation of personnel, material and other resource requirements; preparing formal proposals; pilot study design and implementation. Students intending to enrol for 82.316 must discuss this intention with the Head of Department before Enrolment Week.

*82.317 Sociology of the Welfare State
An exploration of the relationship and patterns of interaction between media, culture and society through an examination of the print and broadcasting media, and advertising, in New Zealand.

*82.319 A Topic in Contemporary Social Theory
1995: Modern and Postmodern Conditions
Concentrates on the consequences of modernity and the impact of a range of social, cultural, economic and political transformations. Are we living in 'new times'? To what extent are we encountering a new social condition of postmodernity? It is questions such as these that lie at the heart of the course.

82.320 Qualitative Sociological Methodologies
An introduction to non-numerical research methodologies in sociology. The course will consider topics drawn from a wide range: ethnography, interviews, life history methods, archival research, analysis of text. Not all topics will be included in any one year.

82.321 Quantitative Sociological Methodologies
Principles and practice of the design, execution and analysis of the several forms of 'systematic social research' (including survey research, census and other social bookkeeping data, content analysis, systematic observation and unobtrusive methods) and their usefulness within sociological analyses.

*82.322 Crime and Society
Examines how selected criminological theories conceptualise the nature, causes and most appropriate responses to crime. Assesses each in light of the social impact of their proposed responses to crime.

82.323 Consuming Interests: The Sociology of Food
Food is basic to human society. This course blends social history, political economy and hermeneutics to examine sociological aspects of food production, processing, distribution and consumption. Other issues raised will include hunger and famine, colonialism, gender differences, and development.

Note: This paper may not be taken by students who have previously taken 82.421.

*82.324 Special Topic

Sociology for MA and Honours
A pass in 82.320 or 82.321, or in 82.312 before 1993 is the prerequisite for entry. Four papers and a thesis (82.601) which shall count as three papers, or six papers and a research paper (82.603), or seven papers. Proposed research programmes must be approved by the Head of Department. A research proposal must be submitted to the Department by 15 November of the year preceding enrolment for the research paper or thesis. The main text of the research paper should not exceed 10,000 words. The main text of the thesis should not exceed 30,000 words. Not fewer than seven papers will be offered from the following list.

*82.400 Advanced Problems in Sociological Theory
Addresses contemporary developments and debates in the field of social theory and explores the effect of a range of complex social, cultural, economic and political processes of transformation on human experience and conduct.

82.401 Advanced Problems in Sociological Method
Examination of sociological issues arising from consideration of the principles and practice of the design, execution and analysis of various forms of social research.

*82.402 Asia and the Modern World-System
Examination of historical patterns of social transformation in several regions of Asia; incorporation and peripheralisation; rise of east Asia.

*82.403 Advanced Topics in Economic Sociology

*82.404 The Rise and Fall of the Soviet State
This course is concerned with the analysis of the state in capitalist and post-capitalist society. Its particular focus is on the rise and fall of the Soviet State and the contemporary changes in the former USSR.

*82.406 Urban Sociology and Ecology
A focused reading course on theoretical developments within the 'new urban sociology', followed by the examination of the pertinence of this to New Zealand cities, and then the development of a research exercise which draws on the theoretical literature which has been canvassed.

*82.407 Rural Sociology
Examines the validity of 'rural' as a sociological category. Focusing where possible on New Zealand material, explores the strength and weakness of varied overseas rural sociologies.

82.408 Complex Organisations
Reviews methods and recent approaches to organisational analysis within a sociology of knowledge framework. Emphasises cross-cultural and comparative inquiry, focusing on topics such as Japanisation and post-Fordism.

82.410 Development Theory and Practice
An examination of the interaction between changes in development theories and practice over the past twenty years through an analysis of bilateral development programmes.

82.412 Special Topic
1995: Capitalism in the Twentieth Century
Through an analysis of the works of Marx, Polanyi, Schumpeter and other major theorists, this paper provides a historically-grounded, theoretical examination of capitalism in the twentieth century; restructuring of global patterns of trade, production, and labour migrations; hegemonic structures and political institutions; industrialisation and de-industrialisation; rural transformations; anti-systemic movements.

82.413 Sociology of Law
Recent theoretical developments in the study of law and society including the law and literature movement, feminist jurisprudence, and critical race theory.

82.414 Marxism and Sociology
This course examines the basic methodological differences between Marxism and sociology and their implications for the understanding and transformation of society, with reference to a range of areas of concern selected by students.

*82.415 Special Topic

*82.416 Historical Sociology
A research-based paper. Theory and evidence from historical sociology is applied to New Zealand case material.

*82.417 Feminist Social Theory
Reading and discussion of current issues in feminist thought—essentialism, bodies, cultural relativism, postmodernity. Wide reading and in depth exploration of a specified topic required.

82.418 Research Projects: Design and Practice
Research problem formulation and refinement; searching and reviewing literatures; designing and redesigning research strategies; ethical issues and procedures; calculation of personnel, material and other resource requirements; preparing formal proposals; pilot study design and implementation.

*82.419 Governing Bodies - Modern Sport, Culture and Politics
A research based course which offers students the opportunity to explore social, cultural, political and economic aspects of sport and leisure in an interdisciplinary manner.

*82.420 Research Issues in the Sociology of Gender
A course focusing on theoretical and methodological issues raised by feminists in 'doing research'. Topics include non-sexist research methods, feminist critiques of positivism and other research methodologies, the relationship between the researcher and the researched, and 'writing up'.
*82.421 Advanced Study in the Sociology of Food*
This course builds on 82.323. Advanced study of the production, distribution and consumption of food, and of food as constructed meaning. A wide range of theoretical and methodological approaches will be employed.

*82.422 Issues in the Analysis of New Zealand Society*
Examination of theories about societal structures and processes appropriate to the trade comparative sociological analyses as a base for critiquing "native theories" about NZ society, and for developing strategic sociological analyses of NZ society.

82.425 Social Control and Informal Justice
A critical study of the control logic behind growing trends towards community-based (and informal) modes of regulation.

Note: All graduate students are expected to attend and contribute to the Staff/Graduate Seminars. A programme will be published.

DEPARTMENT OF STATISTICS

Courses for MA, MSc and Honours
The prerequisites for the MA and MSc degrees are: Statistics 528.280, Mathematics 26.252 or 26.231, (or equivalent papers approved by the Head of Department of Statistics, or prior to 1995, 26.280, 26.220 or 26.221 or 26.222, and 26.240 or 26.241), plus thirty 300 or 400 level credits approved by the Head of the Department of Statistics. At least 12 of these 20 credits shall normally be from papers in Statistics. The student shall select papers, approved by the Head of the Department of Statistics, from Statistics 528.400 to 528.410, or 26.479 to 26.499 prior to 1995, with a total credit value of 20 credits, together with a thesis (528.601) or an Advanced Course of Study (528.605), which will count as 20 credits. Other papers may be selected with the approval of the Heads of the Departments concerned from relevant Masters papers in the subjects Mathematics, Operations Research, Computer Science and those which offer papers with a statistical component (e.g. Biological Sciences, Social Sciences, Commerce and Engineering). Here a paper from the degree of Master of Engineering will count as two credits.

Up to eight of the 20 credits may be replaced by eight Stage III credits in papers approved by the Head of the Statistics Department and not taken for another Degree or Diploma. Prospective Master's students should consult the department of Statistics for further details, preferably when they enrol for their 300 level papers. Not all 300 level papers listed will be offered each year. This list of papers to be offered and their prescriptions will be determined each year and intending students should ask for the postgraduate courses booklet available from the Department of Statistics. The number of credits for each paper is given after the titles below. A candidate must normally complete his or her thesis or advanced course of study not later than twenty-four months after his or her first enrolment for this degree.

528.400 Measure Theory (2)
This is a mathematics paper in measure and integration theory. This will provide a background for students with a strong interest in Probability Theory.

528.410 Probability Theory A (2)
Probability spaces, distribution theory, characteristic functions and limit theorems.

528.411 Probability Theory B (2)
An extension of the work done in 528.410

528.420 Stochastic Processes A (2)

528.421 Stochastic Processes B (2)
These papers cover a selection of topics from point processes, queuing theory, renewal theory, Markov chains, Markov renewal processes, continuous time processes and networks.

528.423 Time Series A (2)

528.424 Time Series B (2)
These papers cover a selection of topics from stationary processes, moving average and autoregressive (ARIMA) models, modelling and estimation in the time domain, seasonal models, forecasting, spectral analysis and bivariate processes.

528.430 Statistical Inference (2)

528.432 Nonparametric Methods (2)

528.436 Topic in Probability and Statistics A (2)
528.437 Topic in Probability and Statistics B (2)
The topics chosen for the above papers will depend on the interests of the lecturers teaching the papers.

528.440 Sample Survey Theory A (2)
A selection of topics from simple random sampling, finite population central limit theorem, estimation for sub-classes, stratification, auxiliary information, multi-stage sampling, non-response, repeated surveys and adaptive sampling.

528.441 Sample Survey Theory B (2)
An extension of the work done in 528.440.

528.450 Experimental Design A (2)
The design and analysis of data from experiments involving factorial designs and designs which have the property known as general balance (this includes most of the standard designs), and factorial designs with blocking and fractional replication.

528.451 Experimental Design B (2)
An extension of the work done in 528.451.

528.455 Multivariate Analysis (2)
Selection of topics from multivariate inference, dimension reducing techniques, discriminant analysis and cluster analysis.

528.460 Generalised Linear Models (2)
Model fitting, computational techniques, inference, logistic models, log-linear models and ordered data.

528.461 Biostatistics (2)
Statistical methods used in biology and medicine.

528.462 Survival Data (2)
Selection of topics depending on the interest of the lecturer.

528.470 Statistical Methods in Marketing (2)
Stochastic models of brand choice, applications of General Linear Models in marketing, conjoint analysis, advertising media models and marketing response models.

528.471 Statistical Ecology (2)
A selection of topics from estimating animal abundance, genetics and statistical techniques used in ecology.

528.480 Statistical Consulting (2)
This paper is designed to help students develop skills in statistical consulting.

528.481 Topics in Data Analysis (2)
528.482 Statistical Computing (2)
These papers will focus on the practical aspects of data analysis. Students should be comfortable with the use of computers. Topics include EDA, robustness, statistical graphics and smoothing.

528.490 Topics in Statistics A (4)
528.491 Topics in Statistics B (4)
528.492 Topics in Statistics C (4)
528.496 Topics in Statistics D (4)
The above papers are designed to help students who have gaps in their Stage III backgrounds.

528.499 Project in Statistics (2)

PhD in Statistics
The Regulations governing the Degree of Doctor of Philosophy are included in the Interfaculty section of this Calendar.

528.662 Statistics PhD Thesis

Postgraduate Research: MSc Thesis and PhD
Staff and facilities are available for Masters and PhD research in many branches of Probability, Statistics and Statistical Computing. Further details can be obtained from the Department of Statistics. Students intending to do a Master's thesis should have reached a satisfactory level of attainment in a BSc (Hons) or in the first year of a Master's degree. Students who wish to enrol for a PhD need to have obtained a good level of Honours for their BSc (Hons) or Master's degree.

Diploma in Statistics
See under Diploma Regulations and Prescriptions.

THEATRE STUDIES
486.201 Theatre Studies
This paper is designed to provide a course relevant to students involved in dramatic productions and to recognise practical work
in the theatre. It is interdisciplinary in approach. Lectures and tutorials will relate to a number of prescribed dramatic texts to be studied in English and the plays will be studied with reference to historical conditions and conventions of performance. Credit will be offered in respect of work done in approved productions on campus or in respect of workshop or critical activity. The course co-ordinator is based in the English Department. Entry to this paper is restricted. Information is available from the English Department.

WOMEN'S STUDIES
The subject Women's Studies was introduced into the Arts Faculty in 1993, with two Stage I papers taught in that year. A core Stage II paper 488.200 is being offered. Two special topic papers have been listed and will be taught if staff are available. A handbook, *Studying Women/Gender at the University of Auckland*, is available from the Arts Faculty Office and the Women's Studies Office. It provides further information on the subject.

All Women's Studies papers are taught in half year blocks. Each paper has 2 lectures and a 1-hour tutorial per week for approximately 12 weeks. Note that 488.100 and 488.200 will be taught in the first half of the year and 488.101 in the second half of the year.

Women's Studies I
488.100 Women, Gender and Society
This paper will address central issues in the analysis of women's lives. It will draw primarily upon substantive studies from New Zealand and Pacific societies both past and present. Differences in women's economic, familial and political activities will be explored and related to changing economic and political conditions.

488.101 Representing Women: Images and Words
This paper provides a critical introduction to the ways in which women have been represented through selected visual and literary media. Historical and contemporary representations will be discussed with a focus on the ways women have been portrayed by themselves and others. Although the paper draws on a wide range of literature and scholarship, emphasis will be placed on the Maori, Pacific and New Zealand contexts.

Women's Studies II
488.200 Feminist Theories
This paper will explore varieties of feminist theorising. It will examine feminist readings of key enlightenment thinkers, the writings of second wave feminist theorists, and current issues such as post-modernism and feminism, rethinking the body, notions of difference and third world feminism.

488.201 Special Topic: Women's Narratives of Experience
488.202 Special Topic: Women in New Zealand & the Pacific

Women's Studies III
488.300 Feminist Research and Scholarship
This paper will explore the issues raised by feminists about doing research/scholarship. It will explore theories of knowledge, creation and issues in methodology. There will be a practical component which will involve individual, group or a class research project.

488.301 Special Topic: Indigenuous Women's Art
488.302 Special Topic: Gender and Colonialism in the Pacific

DIPLOMA COURSE REGULATIONS

DIPLOMA IN ARTS DipArts

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

**General Provisions**

1. Subject to the Admission Regulations a candidate for the Diploma shall, before enrolment for this Diploma:
   (a) four papers at advanced level, including at least two Stage III or Master's papers; and
   (b) an essay, or special directed study, or project (401.500), the equivalent of one paper, which shall involve work in one subject or inter-disciplinary work involving one subject among others.

2. The course of study for the Diploma shall consist of at least one year's full-time study or its equivalent. Except with the approval of the Senate, a candidate shall complete the requirements within two years of first enrolling for the Diploma.

3. Candidates will be required to attempt a coherent course of study which shall consist of:
   (a) four papers at advanced level, including at least two Stage III or Master's papers; and
   (b) an essay, or special directed study, or project (401.500), the equivalent of one paper, which shall involve work in one subject or inter-disciplinary work involving one subject among others.

4. The course of study for each candidate will require the specific approval of the relevant Heads of Department and the Dean.

5. To be eligible for the award of the Diploma candidates must pass all the components of their course.

6. No candidate shall be credited for this Diploma with any paper passed for another degree or diploma.

7. The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

8. These Regulations shall come into force on 1 January 1989.

DIPLOMA IN ARTS ADMINISTRATION DipArtsAdmin

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

**General Provisions**

1. Subject to the Admission Regulations, a candidate for the Diploma in Arts Administration should before enrolment for this Diploma:
   (a) Have been admitted or qualified for admission to a Bachelor's degree, and have had not less than two years' employment experience deemed relevant by the Senate, or
   (b) Have had not less than five years' employment experience deemed relevant by the Senate; and in either case, have in the opinion of the Senate the prospect of successfully completing the course of study.

2. The course of study for the Diploma shall consist of at least one year's full-time study or its equivalent. Except with the approval of the Senate, a candidate shall complete the requirements within two years of first enrolment for the Diploma.
3. The course of study for this Diploma shall consist of the following papers:
571.501 The Arts Milieu
571.502 The Economics of the Arts
571.503 Business Organisation and Management
571.504 Accounting and Financial Management
571.505 Marketing of Services
571.506 Special Issues in Arts Administration
571.507 Special Topic
571.508 Special Topic

4. To be eligible for the award of the Diploma a candidate must obtain a pass in each of the papers specified in Regulation 3.
5. The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.
6. These Regulations shall come into force on 1 January 1992.

DIPLOMA IN BROADCAST COMMUNICATION DipBrC

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations a candidate for the Diploma in Broadcast Communication shall, before enrolment for this Diploma, have been admitted or qualified for admission to the Degree of Bachelor of Arts, or (in exceptional circumstances) such other university Degree as the Senate may approve in the particular case.
2. A candidate for this Diploma shall follow a one year course of full-time study.
3. The course of study for this Diploma shall consist of two parts:
   Part I
   30.408 The Political Context of Television
   30.510 The New Zealand Television and Video Industries
   A candidate who has already been credited with 30.408 should substitute either 30.403 or 18.420 or 82.318 as prescribed for MA or a Research Essay (30.613).
   With the permission of the Heads of Departments concerned, a candidate may substitute either 30.403 or 18.420 or 82.318 for 30.408.
   Part II
   Such written and practical work as may be prescribed in Television Production and related fields, the whole counting as two papers (30.700).
4. A candidate shall be required to pass each paper of Part I and pass Part II as a whole. An overall grade will be awarded for the Diploma as a whole.
5. The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.
6. These Regulations shall come into force on 1 January 1982.

DIPLOMA IN DRAMA DipDrama

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations a candidate for the Diploma in Drama shall before his or her enrolment for this Diploma: Either (i) have been admitted or qualified for admission to the Degree of Bachelor of Arts having passed in not fewer than three papers in Stage II in English, or a language other than English, or such other subject or subjects as the Senate may approve; or (ii) have been admitted or qualified for admission to some other university degree approved for this purpose by the Senate; or hold or have qualified for an award or qualification in dramatic work approved for this purpose by the Senate; and in any case have had in the opinion of the Senate sufficient experience in the theatre or in the writing or teaching of drama.
2. A candidate for this Diploma shall follow a course of study for a period of one year, but in exceptional circumstances this period may be extended by the Senate.
3. The Course shall consist of such written and practical work as may be prescribed in theatrical, dramatic, and related fields.
4. A candidate shall throughout his or her enrolment for this Diploma carry out such practical work and shall participate in such approved theatrical work or plays as the Lecturer in charge of the Course shall require.
5. These Regulations shall come into force on 1 January 1977.

DIPLOMA IN ENGLISH LANGUAGE TEACHING DipELT

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations a candidate for the Diploma in English Language Teaching shall before his or her enrolment for this diploma:
   (a) have been admitted or qualified for admission to a degree at a university in New Zealand or produced evidence to the satisfaction of the Senate of adequate training and/or experience to undertake the proposed course of study for the Diploma, and
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(b) have had, normally, at least two years' teaching experience.

2. (a) A candidate for the Diploma shall follow a one year course of full-time study or a two year course of part-time study. Candidates who follow a part-time course of study for the Diploma shall take Part I in their first year and Part 2 in their second year, as set out below. Full-time students take both parts concurrently in the one year.

(b) Bilingual Maori and Pacific Island students who have already passed Maori or Pacific Island language papers may, in exceptional circumstances, apply to have one such paper credited to the Diploma.

3. The course of study for this Diploma shall consist of two parts:

Part I

(a) 18.250 English Language for Teachers

A candidate who has already been credited with 18.250 shall substitute one of the following papers: 18.304/83.307 New Zealand English; 83.105 The Languages of the Pacific; 18.201 Language, Literature and Culture or a paper approved by the Head of Department on the recommendation of the Lecturer responsible for the DipELT.

(b) 18.502 Applied Linguistics for Language Learning and Teaching

(c) 18.503 The Theory and Practice of Teaching to Speakers of Other Languages (TESOL)

Part II

(d) 04.106 Language Acquisition A: Structure and Translation

(e) 04.107 Language Acquisition A: Oral and Writing Skills

(i) A candidate who has already been credited with 04.100 and 04.104 or with 04.106 and 04.107 may substitute for those papers.

(ii) an approved language paper in a language other than English. Strongly recommended are: 04.204 Second Year Language Acquisition A: Structure and Translation; 04.205 Second Year Language Acquisition A: Oral and Writing Skills; two papers selected from Maori Studies subject to the approval of the Head of Maori Studies and English; 478.100 Samoan Language and one other paper approved by the Heads of Departments concerned and English.


(iv) papers other than language papers from: Anthropology: 03.200 Ethnography of Island Polynesia; English: 18.304 New Zealand English; 18.201 Language, Literature and Culture.

(f) 18.506 Classroom Observation: Independent Research

4. No candidate may present for this Diploma a paper which is the same or substantially similar in content to any paper already passed for any other degree or diploma.

5. Where a candidate is enrolled in any paper for this Diploma that is scheduled for another degree or diploma, he or she shall be required to comply with such of the course regulations as are applicable (including all prerequisites, corequisites and restrictions) unless exempted from these by the Senate.

6. Candidates shall be required to pass each paper of Part I and Part 2.

7. Candidates may, at the discretion of the Senate, be permitted to repeat a paper they have not passed.

8. These Regulations may be varied by the Senate in particular circumstances.

9. This Diploma may be awarded with or without Distinction.

10. These Regulations shall come into force on 1 January 1988.

DIPLOMA IN ENVIRONMENTAL MANAGEMENT DipEnvirMgmt

The Diploma in Environmental Management is an Inter-Faculty offering. For detailed Regulations refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

DIPLOMA IN LABOUR STUDIES DipLabourStudies

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their course of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations. Every intending new candidate must apply to the Registrar for permission to enrol in the course not later than the date prescribed by the Senate for the year preceding that in which the applicant proposes to enrol.

General Provisions

1. Subject to the Admission Regulations, a candidate for the Diploma in Labour Studies shall before enrolment for this Diploma:

(a) have been admitted or qualified for admission to a Bachelor's degree, and have had not less than two years of employment experience deemed relevant by the Senate, or

(b) have had not less than five years of employment experience deemed relevant by the Senate.

2. Admission to the course of study shall be at the discretion of the Senate on the recommendation of the Board of Studies.

Course Requirements

3. A candidate for the Diploma in Labour Studies shall be required to:

(a) follow a course of study of duration not less than one academic year and not more than four academic years, and

(b) pass the examinations in respect of one compulsory paper (275.550) and each of five elective papers selected from those listed in Regulation 4(i).

4. The course of study for this Diploma shall consist of

(i) Five papers selected with the approval of the Board of Studies from

275.501 Labour History in New Zealand

275.502 Macro-economic Policy Issues for Unions
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275.503 Work and Society
275.504 Industrial Law
*275.505 Research Methods and Statistics
+275.506 Contemporary Issues in Union Organisation
275.507 Organisational Behaviour and Culture
275.508 Comparative Industrial Relations Systems
+275.509 Management Theory and Practice
+275.510 Contemporary Issues in Industrial Relations
+275.511 Unions and Regional Development
275.512 Technology and Occupational Health and Safety
*275.521 Special Topic
*275.522 Special Topic
(ii) 275.550 Action Research (one paper)
This consists of an introduction to research methods and a supervised practicum approved by the Board of Studies, leading to a final written project.

5. No candidate shall be credited for this Diploma with any paper the same as or substantially similar to a paper passed for another degree or diploma.
6. The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.
7. These Regulations shall come into force on 1 January 1992.

DIPLOMA IN LOCAL GOVERNMENT AND ADMINISTRATION DipLGA

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Diploma in Local Government and Administration shall before enrolment have been awarded or qualified for the award of a degree or diploma of this University, provided that,
(a) the degree or diploma does not include the three Part I DipLGA papers specified in Regulation 6 or
(b) if not so qualified, a person may with the leave of the Senate be a candidate for the Diploma in Local Government and Administration if before enrolment he or she:
   (i) holds or has qualified for the award of a professional qualification in Accountancy, Management, or other approved discipline; or
   (ii) has had not less than five years’ responsible practical experience in a responsible position in local government or administration.
2. A candidate for the Diploma shall pursue a course of study for a period of not less than one year, provided that for part-time students the course of study shall extend over a period of not less than two years.
3. Except with the permission of the Senate in exceptional circumstances:
   (i) the course of study must be completed within four years of the date of first enrolment for the Diploma; and
   (ii) the Research Essay (Paper 30.623) must be submitted within two years of the date of first enrolment for that paper.
4. No candidate shall be credited for this Diploma with any paper which has been passed for another degree or diploma.
5. Papers for Part II shall not be taken until the candidate has passed, or is enrolled concurrently in the papers for Part I.

Subjects
6. The subjects for examination for the Diploma shall be:
   Part I
   *30.500 The Local Government System in New Zealand
   30.413 Public Administration, as prescribed for MA
   30.402 Urban Government and Politics, as prescribed for MA
   Note: A candidate who has already been credited with one or two of the Part I papers for another degree or diploma shall substitute a paper or papers as approved by the Head of Department.
   Part II
   Either
   Two papers from the following:
   25.319 Resource Management Law, as prescribed for LLB
   *25.366 Local Government Law, as prescribed for LLB
   *01.309 Public Sector Management Accounting and Control, as prescribed for BCom
   *01.476 Management Accounting and control in Public sector Organisations, as prescribed for MCom
   13.307 Public Expenditure, as prescribed for BA and BCom
   13.314 Law and Economics, as prescribed for BA and BCom
   72.101 Labour and Management, as prescribed for BCom
   72.207 Labour Relations, as prescribed for BCom
   72.303 Comparative Labour Relations, as prescribed for BCom
   72.307 Personnel Policy & Practice, as prescribed for BCom
   110.101 Law, Government and Politics, as prescribed for BPlan
   113.230 Planning and Resource management Law, as prescribed for BPlan
   113.330 Resource Management Regulation, as prescribed for BPlan
   One paper as prescribed for any other degree of diploma of this University and specifically approved by the Head of Department, or
   30.623 Research Essay (which counts as two papers).
   Note: An abstract is to be submitted with the Research Essay, see Examinations Regulation 14.
Prerequisite for Papers in Part II
7. Candidates should note that, unless a waiver is obtained from the relevant Head of Department, they will be required to comply with the prerequisites stipulated in the Calendar for the respective papers in Accountancy, Economics and Management Studies.
8. These Regulations shall come into force on 1 January 1980.

DIPLOMA IN PERFORMING ARTS DipPerformArts
The Diploma in Performing Arts is an Inter-Faculty offering. For detailed Regulations refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

DIPLOMA IN POLITICS AND THE NEWS MEDIA DipPolNewsMed
The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admissions Regulations a candidate for the Diploma in Politics and the News Media shall, before enrolment for this Diploma:
   (i) qualified for admission to a degree at a university in New Zealand, or
   (ii) have had, normally, at least five years' experience as a practising journalist as approved by the Senate and either:
       (a) have had admission to or qualification for admission to a degree at a university in New Zealand, or
       (b) have produced evidence to the satisfaction of the Senate of being capable of undertaking the proposed course of study.
2. The course of study for the Diploma shall consist of at least one year's full-time study or its equivalent part-time study. Except with the approval of the Senate, a candidate shall complete the requirements, if full-time within two years or if part-time within four years of first enrolment for the Diploma.
3. The course of study for this Diploma shall consist of:
   (i) 30.403 The Political Economy of Information
   (ii) 30.633 Extended Essay.
   Note: The extended Essay (10,000 - 15,000 words) shall involve critical analysis of a media-related topic, and three selected papers with the approval of the Head of Department of Political Studies to comprise a coherent course from:
   One paper selected from Political Studies 30.400 to 30.402, 30.404 to 30.420 and 30.300 to 30.314
   Two papers, relevant to the candidate's course of study, selected from those available at masters or Stage III level or equivalent in the Faculties of Arts, Architecture Property and Planning, Commerce, Law or Science as approved by the Senate.
4. To be eligible for the award of this Diploma candidates must pass all components of the course.
5. No candidates shall be credited for this Diploma with any paper passed for another degree or diploma. A candidate who has already been credited with 30.403 for another degree or diploma shall substitute a paper as approved by the Head of Department.
6. The Senate may in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.
7. These Regulations shall come into force on 1 January 1993.

DIPLOMA IN PROFESSIONAL ETHICS DipProfEthics
The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admissions Regulations a candidate for the Diploma shall, before enrolment for this Diploma:
   (i) have had, normally, at least five years' experience as a practising journalist as approved by the Senate and either:
       (a) have had admission to or qualification for admission to a degree at a university in New Zealand, or
       (b) have produced evidence to the satisfaction of the Senate of being capable of undertaking the proposed course of study.
2. The course of study for this Diploma shall consist of at least one year's full-time study or its equivalent part-time study. Except with the approval of the Senate, a candidate shall complete the requirements, if full-time within two years or if part-time within four years of first enrolment for the Diploma.
3. The course of study for this Diploma shall consist of:
   Part I
   Paper 29.104 as prescribed for the BA
   Three papers chosen from Groups A and B in the appended Schedule, not more than two of which papers may be chosen from Group A. With the specific approval of the Diploma Course Co-ordinator and the Dean of the Faculty of Arts, a candidate may be permitted to substitute for one of the papers required for this Part any other relevant paper offered by a Faculty or Board of Studies.
   Part II
   Paper 29.510 Professional Ethics Seminar
   Paper 29.520 Professional Ethics Project
   (i) The project shall be on a topic concerning a particular ethical problem (or set of problems) as related to some professional context.
   (ii) The candidate shall submit the project to the Course Co-ordinator not later than the last day of January in the year following his or her final year of enrolment for this Diploma.
4. The course of study for each candidate will require the specific approval of the Diploma Course Co-ordinator and the Dean of the Faculty of Arts.
5. To be eligible for the award of the Diploma candidates must pass separately each of the papers required under Regulation 3 of this Diploma.
6. No candidate shall be credited for this Diploma with any paper the same as or substantially similar to a paper passed for another degree or diploma, except that a candidate who has already passed paper 29.102 or paper 29.104 or an equivalent paper shall be credited with the completion of Part I of the course for this Diploma, and that a candidate who has already passed a paper the same as or
equivalent to a paper in the appended Schedule may be credited with not more than one paper for the purposes of Part II of the Diploma.

7. The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

8. These regulations shall come into force on 1 January 1992.

Schedule:
This Schedule should be read in conjunction with the foregoing Regulations for the Diploma in Professional Ethics, and sets out those papers pertaining to Part II of the course requirements. Note that no prerequisites apply for Diploma students taking any of the papers in this schedule:

**Group A**
- 20.205 Community, Society and Rights
- 29.210 Applied Ethics
- 29.213 Philosophical Issues in Feminism
- 29.304 Ethics III
- 29.310 Political Philosophy III

**Group B**
- 29.501 Medical Ethics
- 29.502 Business Ethics
- 29.503 Environmental Ethics
- 29.504 Ethics and the Law
- 29.505 Ethics and Education
- 29.506 Special Topic
- 29.507 Special Topic

*POSTGRADUATE DIPLOMA IN ARTS PGDipArts*

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

**General Provisions**

1. Subject to the Admission Regulations, a candidate for this Diploma shall, before enrolment, have been admitted or qualified for admission to Master's Degree at a University in New Zealand.

2. The course of study for the Diploma shall consist of at least one year's full-time study or its equivalent. Except with the approval of Senate, a candidate shall complete the requirements within two years of first enrolling for the Diploma.

3. Candidates will be required to attempt a coherent course of study which shall consist of:
   (a) four papers, at least two papers of which shall be papers currently available for Masters students in the subject of the candidate's Masters Degree or the major part of the candidate's first degree, the remaining papers being Stage III or Master's papers in a cognate subject or subjects;
   (b) an essay, or special directed study, or research project (401.550), the equivalent of one paper, which shall involve work in the main subject or interdisciplinary work involving that subject and others.

4. The course of study for each candidate will require the specific approval of the relevant Heads of Department and the Dean.

5. To be eligible for the award of the Diploma, which may be awarded with or without Distinction, candidates must pass all the components of their course.

6. No candidate shall be credited for this Diploma with any paper passed for another degree or diploma.

7. The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

8. These Regulations shall come into force on 1 January 1989.

*POSTGRADUATE DIPLOMA IN SOCIAL RESEARCH PGDipSocRes*

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

**General Provisions**

1. (a) Subject to the Admission Regulations, a candidate for the diploma in Social Research shall, before enrolment for this Diploma, have been admitted or qualified for admission to the Degree of Master of Arts in one of the subjects listed in paragraph (b) of this Regulation: or, if not so qualified, and provided Senate approves, have completed not fewer than four papers for that Degree in one of those subjects.

   (b) The subjects in which a candidate shall have qualified in terms of paragraph (a) of this Regulation are Anthropology, Maori Studies, Economics, Geography, Sociology, Political Studies, Education, Psychology, and History.

   (c) In exceptional circumstances, Senate may approve the enrolment of a candidate who has been admitted or qualified for admission to a degree other than a Master of Arts or who has included in their qualifying degree subjects other than those specified in paragraph (b) of this Regulation.

2. A candidate for this Diploma shall follow a one year course of full-time study, or a two year course of part-time study.

3. The course of study for this Diploma shall consist of two parts.

**Part I**

*82.500 The Uses of Social Research
*82.501 Issues and Methods in Research I
*82.502 Issues and Methods in Research II*
Candidates may be called for interview by the Department of Political Studies or the Audio Visual Centre.

The application form is obtainable from either the Department of Political Studies or the Audio Visual Centre. The course is a full-time course extending over one year. Entry to the course will be restricted to six candidates in any one year.

The purpose of the Diploma is to provide graduate students with a theoretical and practical preparation in broadcasting and communications. The course is a full-time course extending over one year. Entry to the course will be restricted to six candidates in any one year. Candidates wishing to enrol in the course are required to give notice of their intention by completing the standard 'Diploma in Broadcast Communication Application' form by 20 November of the previous year. The research essay shall be not more than 20,000 words and two copies must be submitted to the Registrar by 20 February in the calendar year following examinations.

### POSTGRADUATE DIPLOMA IN TRANSLATION PGDipTrans

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

**General Provisions**

1. Subject to the Admission Regulations, a candidate for this Postgraduate Diploma shall, before enrolment:
   - (a) have been admitted or qualified for admission to the Degree of Bachelor of Arts of this University and have passed for that Degree at least three Stage III papers in each of two foreign or second languages with a minimum overall grade of A-;
   - (b) have satisfied the Senate through an interview and written aptitude test that he or she has the prospect of successfully completing the course of study.

2. The Postgraduate Diploma shall be administered by a Board of Studies consisting of representatives of the contributing departments or sections of departments.

3. A candidate for the Postgraduate Diploma in Translation shall be required to follow a programme of not less than three years' full-time study or its equivalent.

4. The course of study for this Postgraduate Diploma shall consist of three parts: Parts 1, 2 and 3. A candidate shall be required to pass each paper in Parts 1 and 3 of the course and be credited with the completion of Part 2 of the Postgraduate Diploma by receiving satisfactory attestation from the institution or institutions at which study has been undertaken.

5. The language papers in Regulation 6 shall be selected with the approval of the Board of Studies from the following subjects: Chinese, French, German, Italian, Japanese, Maori Studies, Russian, Spanish.

6. The course of study shall consist of the following:
   - (a) **Part I**
     - (i) Either two 400-level papers in each of two subjects listed in Regulation 5 or two 400-level papers in one subject and one 400-level paper and one 300-level paper in a second subject listed in Regulation 5;
     - (ii) 460.501 Theory, Principles and Problems of Translation;
     - (iii) Two papers relevant to specific areas of translation and approved by the Board of Studies from papers prescribed for the Degree of Bachelor of Arts or the Degree of Bachelor of Commerce or the Degree of Bachelor of Laws;
     - (iv) 83.312 Semantics.
   - (b) **Part II**
     - (i) One year's overseas study including attendance at and satisfactory completion of recommended courses in translation and subsidiary studies at an institution or institutions expressly approved by the Board of Studies (460.700);
     - (ii) A practicum (460.750) involving the satisfactory completion of assignments under the guidance of a translator approved by the Board of Studies.
   - (c) **Part III**
     - (i) Either one 500-level paper and an associated translation project in both of the subjects taken under Regulation 6(a)(i) or one 500-level paper and an associated translation project in the first subject chosen under Regulation 6(a)(i) and two 500-level papers in the second subject taken under Regulation 6(a)(i);
     - (ii) Two papers relevant to specific areas of translation and approved by the Board of Studies from papers prescribed for the Degree of Bachelor of Arts or the Degree of Bachelor of Commerce or the Degree of Bachelor of Laws;
     - (iii) A practicum (460.550) involving translation experience in both the languages chosen under Regulation 6(a)(i).

7. In exceptional cases the Senate may, on the recommendation of the Board of Studies, permit a candidate who has been admitted or qualified for admission to the Degree of Master of Arts to credit to this Diploma one or two language papers where otherwise these would be required under Regulation 6(a)(i).

8. Except as provided by Regulation 7 no candidate shall be credited for Part 1 or Part 3 of this Diploma with any paper the same as or substantially similar to any other paper taken or to be taken for any other degree or diploma awardable by this University.

9. The Senate may, in such exceptional case as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

10. These Regulations shall come into force on 1 January 1987.

### DIPLOMA COURSE PRESCRIPTIONS

**DipBrC**

The purpose of the Diploma is to provide graduate students with a theoretical and practical preparation in broadcasting and communications. The course is a full-time course extending over one year. Entry to the course will be restricted to six candidates in any one year. Candidates wishing to enrol in the course are required to give notice of their intention by completing the standard 'Diploma in Broadcast Communication Application' form by 20 November of the previous year. The application form is obtainable from either the Department of Political Studies or the Audio Visual Centre. Candidates may be called for interview.

**Part I**

(See Regulation 3 of the Diploma.)

30.408 The Political Context of Television

30.510 The New Zealand Television and Video Industries

30.613 Research Essay

The research essay must be on a subject connected with the candidate's previously passed papers 30.403, 30.408, 18.420 or 82.318 or, with the permission of the Head of Department of Political Studies, a topic on the structure and organisation of broadcasting. The research essay shall be between 10,000 and 20,000 words and two copies must be submitted to the Registrar.
not later than the last day of January in the calendar year following the examinations.

**Part II**

30.700

(Two papers.)

The course will include the following:

1. Introduction to the technical principles of television broadcasting including international standards, recording, transmission, sound, and lighting.
2. Introduction to the grammar of television and film.
3. Introduction to single-camera production techniques including planning, direction, editing, and post-production.
4. Introduction to multi-camera studio production including planning, direction, personnel and post-production technology.
5. Instruction and experience in the techniques of both studio and location based interviewing.
6. Post-production techniques, including editing, sound production, scriptwriting, and graphics.
7. Experience in planning, researching, writing, producing and directing a programme to a broadcast level, each student to present one or more such programmes as a course submission.

**DipDrama**

The Diploma in Drama is directed by the Lecturer in Drama aided by other professional tutors and University lecturers.

The purpose of the Diploma in Drama is to offer a basic training in theatre and playwriting to those wishing to work in schools, the theatre or in the community. It should not be seen as a training course for professional actors.

Candidates wishing to enrol in 1994 in the Course for the Diploma in Drama (75.100) are required to give notice of their intention to the Registrar of the University not later than 7 January 1994.

Candidates who have not previously been enrolled at a New Zealand University must submit their application by December of the preceding year. Details of the procedure to be followed by all applicants are available from the English Department.

Candidates should have a Bachelor of Arts Degree from Auckland or some other university or should hold an award or qualification in dramatic work or have experience in the theatre or in the teaching of drama. Generally, candidates under 20 years of age are not considered for the course.

Candidates may be called for an interview. All candidates will be required to produce evidence of academic qualifications and a variety of theatrical skills.

The course is full-time and extends over one year. Permission to take other courses or do other theatre work will be granted only in rare instances.

The course will include a selection of the following:

(i) Fundamentals of acting including speech, movement and improvisation.
(ii) Basic techniques of the theatre, e.g. lighting, design, wardrobe, direction.
(iii) Television acting and the use of television equipment.
(iv) Practical study from selected texts.
(v) Selected aspects from the history of the theatre and drama.
(vi) Selected aspects from the theory of drama.
(vii) Theatre Criticism.
(viii) Practical work in production.
(ix) Brief exercises in the making of theatre for young people.
(x) Exercises in group theatre and playmaking.

A list of books required for study will be available from the Department. All students should obtain this.

**DipELT**

The purpose of the Diploma in English Language Teaching is to provide a specialised course in the theory and practice of teaching English in multi-lingual contexts, with special emphasis on the needs of English language learners in the Auckland, New Zealand and South Pacific regions. Candidates wishing to enrol in the course for the Diploma in English Language Teaching are required to pre-enrol on the Preparatory Application Form by 30 October of the preceding year. Candidates may be called for interview.

Entry to the course will be restricted to twenty four candidates in any one year.

Prescriptions for courses listed in the Regulations for the Diploma (and not prescribed for other degrees) are given below.

18.250 English Language for Teachers

A linguistic analysis of the English language in an educational context. This paper will enable students to describe and account for (a) similarities and differences among a range of spoken and written texts across the curriculum and (b) divergences from appropriate norms in texts produced by both native and non-native learners of English. A limited number of places are available for non-DipELT students, who are teachers.

18.502 Applied Linguistics for Language Learning and Teaching

Socio-cultural aspects of English Language Teaching in multilingual contexts. Factors influencing second language teaching methodology, programme design and evaluation, language development through content areas. Students taking this paper will be required to undertake regular teaching practice throughout the academic year.

18.506 Classroom Observation: Independent Research

Planning and implementing a classroom based research project. Developing and using observation and assessment instruments in a multilingual classroom. Carefully recording, interpreting and evaluating results of a study.

Further papers for the Diploma are described in the General Provisions and prescribed in the Bachelor of Arts Degree Prescriptions.

**DipLabourStudies**

275.501 Labour History in New Zealand

A study of the history of New Zealand’s working class activities, including the development of trade unions, industrial disputes and politics. Gender and ethnic issues will be considered in their historical context.

275.502 Macro-economic Policy Issues for Unions

An examination of the range of economic and social theories which workers have advanced and been exposed to in New Zealand and elsewhere and a discussion of contemporary and historical options which address union concerns.

275.503 Work and Society

A study of the development of work as an organised practice and social phenomenon, looking at the changing trends in gender and ethnic composition of the workforce in New Zealand and elsewhere. Also a consideration of the impact of technology, information systems and the issue of work design as these affect workers and unions.

†275.504 Industrial Law

A consideration in detail of the effects of industrial legislation and its development, including some examination of contract law as it applies in the industrial arena.

*275.505 Research Methods and Statistics

An introduction to different models and practices in economic and social research, covering fundamental concepts in statistics and the use of analysis as well as other methods of qualitative research such as case studies and interviews.

†275.506 Contemporary Issues in Union Organisation

A study of modern challenges to the organisation methods and structures within unions and workplaces and the development of
alternative models to current practices, including the maintenance and development of internal union democracy.

275.507 Organisational Behaviour and Culture
The psychological and sociological aspects of how workers are organised and how people affect organisations, with particular reference to the workplace and business, and issues of gender and culture.

275.508 Comparative Industrial Relations Systems
A study of a number of industrial relations systems assessing the similarities and differences between them and New Zealand's comparative position. It will include a comparison of bargaining structures.

275.509 Management Theory and Practice
An introduction to management and organisation theory, covering the principles of management and labour relations. It will also include practical skills such as time and stress management, conflict resolution, negotiating skills, budget preparation and consultative work practices.

275.510 Contemporary Issues in Industrial Relations
A consideration of the key issues facing unions today: the role of the state, the functions of legislation, the challenges of ethnic and gender issues and the pursuit of social justice. The paper will also address the fundamental need and rationale for collective organisation.

275.511 Unions and Regional Development
This paper will consider and develop union initiatives in the area of job creation, resource development, infrastructure development and sustainability in regional localities. Issues of local resource and infrastructure investment decisions will be examined, with particular reference to plant closures, relocation of workers and job creation.

275.512 Technology and Occupational Health and Safety
This paper will look at the impact of technology on workers' health and safety and will examine the importance this has had on New Zealand's labour relations. It will also consider a set of activities that are needed to identify, monitor, assess and control technological hazards.

275.521 Special Topic
275.522 Special Topic
275.550 Action Research – a practical individual project
An introduction to research methods and a supervised practical research project of a workplace based nature.

DipLGA
The course for the Diploma in Local Government and Administration may be completed in not less than one year of full-time study or two years of part-time study. Students are required to take available papers from Part I in their first year of study. Prescriptions for courses listed in the Regulations for the Diploma (and not prescribed for other degrees) are given below.

*30.500 The New Zealand Local Government System
The evolution, structure and characteristics of the system. Reorganisation schemes and functional features. Local politics, elections and public participation.

30.623 Research Essay
A research essay may be presented in lieu of two papers from Part II of the course. It shall consist of 18,000 to 20,000 words on an approved topic in Local Government Administration or Politics.

DipProfEthics
The purpose of the Diploma is to enable students to strengthen and develop their understanding of ethics as it relates to the practice of the professions – for example, medicine, business, law, environmental management and the teaching profession. The Diploma course is flexible enough to meet the particular needs and interests of individual students, but within a structure which requires that each student achieve a good background in ethical theory and a sound practical orientation in dealing with the ethical dimensions of concrete professional problems. The course may be taken full-time in one year, or part-time over two or three years. Entry to the course will be restricted. Candidates wishing to enrol in the course for the Diploma are required to give written notice of their intention to the Registrar of the University by the date prescribed under the Pre-Enrolment Application Regulations (General). Further details of the application procedure are available from the Diploma Course Coordinator, Department of Philosophy.

Part I
29.104 Introduction to Ethics and Social Philosophy
The Prescription for this paper is given under the Faculty of Arts, Degree Prescriptions, Philosophy.

Part II
Group A
29.205 Community, Society and Rights
29.504 Ethics and the Law
29.505 Ethics and Education
29.506 Ethics and the Environment

Group B
29.213 Philosophical Issues in Feminism
29.214 Applied Ethics
29.301 Medical Ethics
29.302 Business Ethics
29.303 Environmental Ethics
29.304 Ethics III
29.310 Political Philosophy III

The Prescriptions for these papers are given under the Faculty of Arts, Degree Prescriptions, Philosophy.

Part III
29.507 Community, Society and Rights
29.508 Comparative Industrial Relations Systems
29.510 Professional Ethics Seminar

A course of seminars covering core topics concerning the nature of professional ethics and practice as they are relevant to a wide range of professions. Topics will be chosen so as to indicate how
theoretical issues in ethics are grounded in concrete problems, and
the course will be taught in such a way as to enable students from
different professional backgrounds to learn from each other’s
experience and understanding.

Students undertaking the Diploma part-time will normally enrol
in this paper in their final year of part-time enrolment, but will be
encouraged to attend the seminars in (each of) their previous
year(s) of part-time enrolment.

Part IV
29.520 Professional Ethics Project
Completion of a project approved by the Course Co-ordinator on
a topic concerning a particular ethical problem (or set of problems)
as related to some professional context. Candidates will be
required to submit a report on their project to the Course Co-
ordinator not later than the last day of January in the year following
their final year of enrolment.

*PGDipSocRes
The purpose of the Diploma is to provide graduate students with
a preparation in the methodological principles and practice of
social research.
The course is a full-time course extending over one year or two
years of part-time study. Entry to the course will be restricted to six
candidates in any one year. Candidates wishing to enrol in the
course for the Diploma are required to give notice of their intention
to the Registrar of the University by letter which shall include a
curriculum vitae showing academic results and any other
qualifications by 15 January each year. Candidates may be called
for interview.

*82.500 The Uses of Social Research
This paper will examine the literature on the roles of social
research and social theory in the formulation, monitoring and
evaluation of social policy; and the role of social policy concerns
in the development of social science knowledge. The paper will
apply themes from this literature to the New Zealand context.

*82.501 Issues and Methods in Research I
*82.502 Issues and Methods in Research II

These papers will provide an advanced critical education and
training in a range of qualitative and quantitative social research
methods. These will include social surveys, use of official social
data, field observation studies, and documentary studies.

Analytical devices specifically intended to assist policy making
and evaluating theories also will be reviewed.

*82.503 Supervised Social Research Project (Practicum)
This exercise will involve an empirical research study within an
explicit theoretical and/or policy relevant framework. The
exercise will be reported in an essay of up to 20,000 words, written
specifically to communicate the findings to appropriate audiences.
Where possible the practicum will be carried out, at least in part,
in an appropriate policy setting, or as a group research project.

PGDipTrans
48.400, 48.416, 48.420, 48.421 as prescribed for Chinese
34.400, 34.420 as prescribed for French
22.350, 22.400, 22.418 as prescribed for German
35.400, 35.402 as prescribed for Italian
81.400, 81.407, 81.410 as prescribed for Japanese
04.306, 04.307, 04.401, 04.403 as prescribed for Maori Studies
43.410, 43.414 as prescribed for Russian
45.400, 45.425 as prescribed for Spanish
02.100, 02.204 as prescribed for Commercial Law
13.100, 13.101 as prescribed for Economics
24.123, 24.133 as prescribed for History
25.103 as prescribed for Law
30.107 or 30.204, 30.216, 30.303 as prescribed for Political
Studies
71.201 as prescribed for Marketing and International Business
72.204 and/or 72.207 as prescribed for Management Studies and
Labour Relations
83.312 Semantics as prescribed for Linguistics
Also offered as English 18.305.

460.501 Theories, Principles and Problems of Translation
A paper taught at the AIT providing an introduction to the theories
of translation including aspects of context, professional
translation practice and translation criticism. (2 hours per week).

460.550 Practicum
Involves practical translation experience.
# Faculty of Commerce

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GENERAL INFORMATION

FACULTY OF COMMERCE

The Faculty of Commerce consists of six Academic Departments and the Graduate School of Business. Each Department is involved in undergraduate and graduate level teaching as well as major research components. The Graduate School of Business offers management and executive Masters of Business Administration, nine separate Diplomas of Business, three Diplomas in Management and a growing range of Executive Programmes and Post-experience Programmes.

Bachelor of Commerce

Undergraduates have a range of over 150 papers in six Departments to choose from. Currently twelve major study areas or combined specialisations are offered.

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In addition many papers may be taken in the Science Departments of Computer Science, Statistics and Mathematics. Undergraduates may also take up to seven papers from another course of study, such as a language.

Conjoint Degrees

Undergraduates may also choose to undertake two courses of study in the following:
- BCom/LLB
- BCom/BA
- BCom/BSc
- BCom/BEng

This is more demanding and has the advantage that both can be completed in one year less than taking the two degrees separately.

BCom(Hons)

Students of high ability may be invited to complete a Bachelor of Commerce with Honours at the end of their second or third years. This entails one extra year of study and those who successfully complete are recognised as the best students by the School and the community. In addition students who have been awarded BCom(Hons) may undertake a PhD without first completing a Masters programme. Currently Accounting and Finance, Commercial Law, Economics, Management Science and Information Systems, and Marketing and International Business offer this programme.

Diploma of Commerce

For students who have completed a BCom but still have interest in either more specialisation or another major study area, a Diploma in Commerce is offered in all six Departments. The DipCom consists of six advanced papers which are generally completed in one or two years.

Master of Commerce and Master of Philosophy

Graduates with good grades from Commerce or from another course of study with appropriate pre-requisites may choose to undertake advanced academic study. All six Departments currently offer these two options. In addition Master of Arts may be undertaken in the Economics Department.

Master of Commercial Law and Master of Taxation Studies

These two specialist postgraduate degrees are currently offered by the Department of Commercial Law. The first is for Law graduates or Commerce graduates who have sufficient background in Commercial Law. The Master of Taxation Studies is a highly specialised degree for graduates with a similar background to MComLaw.

Doctor of Philosophy

All Departments offer this highest level of study for PhD which can be undertaken as a body of research in a thesis or may be undertaken with specific advanced papers.

Diploma in Business

In 1995 the Graduate School of Business will offer nine Diplomas in Business:
- Engineering Management
- Finance
- Information Systems
- Maori Business Development
- Quality Management
- Marketing
- New Ventures Management
- Operations Management
- Personnel Management and Employee Relations

These DipBus programmes are part-time and designed principally for business people in full time employment. Entry into these are based on experience and/or undergraduate, and previous study.

Diploma in Management

The Graduate School of Business offers a unique general management programme focused on industry sectors needs. Initially Diplomas will be offered in the following sectors:
- Services Management
- Health Management
- Public Sector Management
- Science and Technology Management
The programme consists of 8 integrated modules that are cross-disciplinary and issued-based. The Diploma in Management is of one year duration.

Executive Programmes
These are a range of generally short, intensive programmes designed for more senior managers to enhance or empower their existing skills.

Masters of Business Administration
The Graduate School of Business offers both an Executive and Management MBA. These are designed for working managers who have a minimum of five to eight years of business experience and who may or may not have other formal qualifications. The MBA is a part-time two year course of study which has a large time commitment from participants but a small time commitment during normal working hours.

All of the Programmes in the School of Commerce and Economics and Graduate School of Business are constantly upgraded to apply to participants from all walks of life and all stages of learning and career development.

Master of Management
The Graduate School of Business offers for the first time a completely customised programme for experienced managers sponsored by their organisations. It is based on a project focused learning approach that enhances individual competencies while at the same time addressing critical issues within each participant’s organisation and encouraging organisational learning and development. Participants are required to complete 3 company based projects plus supporting coursework.

DEGREE COURSE REGULATIONS

THE DEGREE OF BACHELOR OF COMMERCE  BCom
The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

Admission
1. (a) Admission to a course of study in Commerce shall be at the discretion of the Senate. Application for admission shall be made to the Registrar in writing before the dates set out in the pre-enrolment regulations.
   (b) Admission shall be granted or withheld upon a consideration of the past performance of the applicant at school and in university and public examinations, and upon an interview where this is required.

Minimum Time for Degree
2. Subject to the Admission Ad Eundem Statum Regulations, a candidate for the Degree of Bachelor of Commerce shall follow a course of study of not fewer than three years.

Definition of a Paper
3. In these Regulations a paper means an examinable part of one year’s work in a subject. Papers are classified in three Stages I, II, III, prescribed for this Degree in the Schedule to these Regulations.

Course Content
4. Every candidate’s course of study for this Degree:
   (a) shall comply with the requirements specified below for Part I and Part II;
   (b) shall comply with the requirements specified in the Schedule to these Regulations.
   (c) shall include at least ten papers above Stage I.

Part I
5. Except where provided elsewhere in these Regulations, for Part I a candidate shall be required:
   (a) to pass in two papers selected from:
      Mathematics, Pure 26.108;
      Statistics 528.188 or T528.188;
      Management Science and Information Systems 74.100 or T74.110;
      Other papers in Applied Mathematics, Pure Mathematics, Statistics and Computer Science may be substituted with the approval of the Senate.
   (b) to pass the following papers:
      Accounting and Finance 01.100 or 01.104;
      Commercial Law 02.100 or 02.204;
      Economics 13.100, 13.101;
      Management Studies and Labour Relations 72.101.
      Note: Accounting and Finance 01.102 and 01.103 were listed in the Arts Schedule prior to 1993 and were not available to Commerce students. Candidates transferring to Commerce may receive credit for these papers, which satisfy the Part I Accounting and Finance requirement.

Order of Presenting Course
(c) before taking any other paper for Part I of this Degree, to pass or enrol concurrently in the papers in paragraph (a) of this Regulation;

(d) to pass or enrol concurrently in the papers in paragraph (b) of this regulation before taking any further papers for this degree: provided that
   (1) a candidate who has passed or enrolled concurrently in a least four of the papers required by paragraph (b) of this Regulation may enrol in one or two other papers for Part II of this degree;
   (2) the Senate may waive the requirements of paragraph (c) or paragraph (d) of this Regulation for a candidate:
      (i) who has been admitted or qualified for admission to a degree of this University; or
      (ii) enrolled conjointly for this Degree and any of the Degrees of Bachelor of Arts, Bachelor of Engineering, Bachelor of Laws, Bachelor of Laws (Honours) and Bachelor of Science.

Part II
6. (a) Except as provided elsewhere in these Regulations, for Part II a candidate shall be required to pass a minimum of fourteen papers,
including no fewer than three stage III papers selected from one of the subjects Accounting and Finance, Commercial Law, Economics, Management Science and Information Systems, Management Studies and Labour Relations, and Marketing and International Business, or from the papers listed for an approved combined specialisation listed in the Schedule.

(b) A candidate may include up to seven papers for this Degree from papers not already passed for this Degree from any subject prescribed for any other Degree of this University. Papers for this Degree will be awarded for passes under this Regulation in accordance with the following:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architecture Property &amp; Planning</td>
<td>5 credits</td>
</tr>
<tr>
<td>Arts</td>
<td>1 paper</td>
</tr>
<tr>
<td>Engineering</td>
<td>full year paper or equivalent</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>1 paper</td>
</tr>
<tr>
<td>Law</td>
<td>1 paper</td>
</tr>
<tr>
<td>Medicine &amp; Human Biology</td>
<td>1 paper</td>
</tr>
<tr>
<td>Music</td>
<td>1 paper</td>
</tr>
<tr>
<td>Science</td>
<td>6 Stage I credits or 4 Stage II credits or 4 Stage III credits or equivalent</td>
</tr>
</tbody>
</table>

Maximum Course Load

7. Except with the permission of the Senate no candidate shall take in any one year more than eight papers for this Degree.

Direct Entry
8. (a) Notwithstanding anything in Regulations 4, 5 and 6 of these Regulations a candidate may with the leave of the Senate take Stage II papers of any subject to which this Regulation applies without having passed Stage I. A candidate who passes a Stage II paper in a subject shall not be credited with any prerequisite Stage I paper of that subject. If the examiner certifies that the candidate though failing a Stage II paper attained the standard of a pass in a Stage I paper the candidate shall be credited with a pass in a Stage I paper of that subject.

(b) Notwithstanding anything in Regulations 4, 5 and 6 of these Regulations a candidate may with the leave of the Senate substitute one or more papers for one or more papers prescribed in Regulation 5 and to which this Regulation applies.

(c) This Regulation applies to the following subjects:

- Accounting and Finance
- Economics
- Mathematics
- Statistics.

(d) The candidate must have attained a high standard of performance approved by the Senate in the University Bursaries Entrance Scholarship Examination, or equivalent standard, to be granted direct entry or substitution.

(e) Candidates granted direct entry or substitution shall be deemed, on passing the relevant Stage II or substituted paper or papers, to have satisfied Part I requirements for the relevant paper or papers. The papers passed under this Regulation shall be credited only to Part I of this Degree.

Credits
9. (1) (a) A candidate who has passed for another degree of this University two Stage II level papers in Pure Mathematics or equivalent and has passed two papers 13.200 and 13.201 of Economics shall be credited with papers 13.100 and 13.101 of Economics.

(b) A candidate who, for the Degree of Bachelor of Engineering, has passed Engineering Mathematics I and Engineering Mathematics II shall be credited with two unspecified papers in Stage II Mathematics. Provided that the total credits granted to a candidate under paragraphs (a) and (b) of this clause of this Regulation and Regulation 11 of the Enrolment and Course Regulations (General) shall not exceed seven.

(2) A candidate who, for the Degree of Bachelor of Engineering, has been exempted from the Intermediate Examination shall be exempted without credit from the two papers required by Regulation 5 (a).

10. A candidate for this Degree who abandoned another course of study and passed in a paper listed in the Schedule to these Regulations without receiving credit for that paper for any degree or diploma, may be credited with that paper for this Degree.

Concessions
11. All BCom credits/concessions excepting those in paragraphs 9 and 10 are listed in the General Statute and Regulations, Enrolment and Course (General).

BCom/LLB, BCom/LLB(Hons)
12. (1) With the permission of Senate a candidate may be admitted to a conjoint course of study for this Degree and the Degree of Bachelor of Laws or Bachelor of Laws (Honours) (in this Regulation called 'a conjoint course').

(2) A candidate taking a conjoint course shall obtain the permission of Senate to re-enrol for it in each year after admission to the conjoint course.

(3) A candidate who has taken a conjoint course and who:

(a) for this Degree or for the Degree of Bachelor of Laws or Bachelor of Laws (Honours), has passed the following papers:

(i) to pass in two papers selected from:

- Mathematics, Pure, 26.108;
- Statistics 528.188 or T528.188;
- Management Science and Information Systems 74.100 or T74.110.

Other papers in Applied Mathematics, Pure Mathematics, Statistics and Computer Science may be substituted with the approval of the Senate.

(ii) Accounting and Finance 01.100 or 01.104 and one other Commerce paper;

(iii) Economics 13.100, 13.101;

(iv) Management Studies and Labour Relations 72.101;

(b) for the Degree of Bachelor of Laws or Bachelor of Laws (Honours) has passed:

(v) Legal System, 25.103;

(vi) Law of Contract, 25.105;

(vii) Commercial Law, 25.204;

(viii) Company Law and Partnership, 25.208;
(ix) two or more papers having in aggregate at least four hours of instruction per week selected with the approval of Senate from Intellectual Property, 25.209;
Industrial Law, 25.212;
Income Tax, 25.221;
Competition Law, 25.228;
Company Finance, 25.309;
Creditors Remedies, 25.312;
International Trade, 25.315;
Other papers related to the study of Commerce as prescribed for the Degree of Bachelor of Laws or of Bachelor of Laws (Honours);
Other papers in Stage III Commercial Law as prescribed for this Degree;
for this Degree has in addition passed no fewer than nine Stage II or Stage III papers (01.101 may be substituted for one of these) selected from those specifically listed in the Schedule in the subjects Accounting and Finance, Computer Science, Economics, Management Science and Information Systems, Management Studies and Labour Relations, Marketing and International Business, Mathematics and Statistics, including no fewer than three Stage III papers selected from one of the subjects Accounting and Finance, Economics, Management Science and Information Systems, Management Studies and Labour Relations and Marketing and International Business, or from the papers listed for an approved combined specialisation listed in the Schedule.
(d) has completed the requirements for either the Degree of Bachelor of Laws or of Bachelor of Laws (Honours), shall be deemed to have satisfied the requirements for this Degree.
(4) The papers so credited to this Degree under this Regulation shall be admitted as cross-credits, exemptions, or additional cross-credits as the case may be.

Conjoint Programmes
13. (a) With the permission of the Senate a candidate whose academic record is of a sufficiently high standard may be admitted to the conjoint course for this Degree and the Degree of Bachelor of Arts or the Degree of Bachelor of Science.
(b) A candidate taking a conjoint programme shall obtain the permission of the Senate to re-enrol for it in each year after admission to the conjoint programme.
(c) For the purposes of conjoint Degrees BCom/BA and BCom/BSc; the BCom component in each shall consist of:
   For Part I of the BCom
   (i) 01.100 or 01.104
   02.100 or 02.204
   13.100
   13.101
   72.101
   and two of:
   26.108, 528.188 or T528.188, 74.100 or T74.110;

Note: Students advancing in Mathematics, Statistics or Computer Science may substitute as appropriate:
26.162, 528.180, 528.181, E528.182 or T528.187 in the place of 528.188;
07.100 or 07.111 in the place of 74.100 or T74.110.
(ii) for Part II of the BCom, no fewer than nine papers at Stage II or Stage III (01.101 may be substituted for one of these) selected from those specifically listed in the Schedule for Bachelor of Commerce, in the subjects Accounting and Finance, Commercial Law, Economics, Management Science and Information Systems, Management Studies and Labour Relations, and Marketing and International Business including no fewer than three Stage III papers selected from one of the specified subjects, or from the papers listed for an approved combined specialisation listed in the Schedule.
(d) A candidate who has completed the requirements under Regulation 13(c) above and has completed the requirements for either the Degree of Bachelor of Arts or the Degree of Bachelor of Science, shall be deemed to have satisfied the requirements for this Degree.

BCom/BE
14. (1) With the permission of Senate a candidate whose academic record is of a sufficiently high standard may be admitted to the conjoint course for this Degree and the Degree of Bachelor of Engineering (in this Regulation called a 'conjoint course').
(2) A candidate taking a conjoint course shall obtain the permission of Senate to re-enrol for it in each year after admission to the conjoint course.
(3) A candidate who has taken a conjoint course and who:
   (a) for Part I of this Degree has passed the following papers
      (i) 1 paper selected from:
          Statistics 528.188 or T528.188
          Management Science and Information Systems 74.100.
      (ii) Accounting and Finance 01.100 or 01.104;
          Commercial Law 02.100 or 02.204;
          Economics 13.100, 13.101;
          Management Studies and Labour Relations 72.101
          Mathematics, Pure 26.140 or 26.141
   (b) for Part II of this Degree has passed no fewer than nine Stage II or Stage III papers (01.101 may be substituted for one of these) selected from those specifically listed in the Schedule, in the subjects Accounting and Finance, Commercial Law, Economics, Management Science and Information Systems, Management Studies and Labour Relations, and Marketing and International Business including no fewer than three Stage III papers selected from one of the subjects Accounting and Finance, Commercial Law, Economics, Management Science and Information Systems, Management Studies and Labour Relations, and Marketing and International Business, or from the papers listed for an approved combined specialisation listed in the Schedule.
   (c) Has completed the requirements for the Degree of Bachelor of Engineering shall be deemed to have satisfied the requirements for this Degree.
(4) The papers so credited to this Degree under this Regulation shall be admitted as cross-credits, exemptions, or additional cross-credits as the case may be.

**Elective Papers**

15. Except as provided in Regulation 6 (b), a candidate wishing to take for this Degree any unit, course or paper which is also prescribed for any other degree, shall comply with such of the Regulations for each of those degrees as apply to that unit, course or paper.

**Restrictions**

16. No candidate shall take a subject, unit or paper the same as or substantially equivalent to any other subject, unit or paper, and obtain credit for both for this Degree.

**Savings and Transitional Provisions**

17. (1) Except as otherwise provided in this Regulation the course of study of every candidate shall be governed by these Regulations.

(2) A candidate who passed under any of the former Regulations for this Degree in any unit of which the papers are also papers under these Regulations shall be credited with passes in those papers under these Regulations provided that the Senate is satisfied that the prescription in any such paper is at least the equivalent of that prescribed under these Regulations.

(3) The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

18. These Regulations shall come into force on 1 January, 1990.

**SCHEDULE**

<table>
<thead>
<tr>
<th>Paper Number and Campus</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Part of Year</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACCOUNTING AND FINANCE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounting and Finance - Stage I</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>01.100</td>
<td>Financial Accounting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>01.101</td>
<td>Management Accounting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>01.104</td>
<td>Financial and Management Accounting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>01.105</td>
<td>Financial and Management Accounting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Accounting and Finance - Stage II</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>01.200</td>
<td>Financial Accounting</td>
<td></td>
<td>01.100 or T01.100</td>
<td></td>
</tr>
<tr>
<td>01.201</td>
<td>Accounting for Special Entities</td>
<td>*</td>
<td></td>
<td>As for 01.200</td>
</tr>
<tr>
<td>01.202</td>
<td>Cost &amp; Management Accounting</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>01.203</td>
<td>Accounting Information Systems</td>
<td></td>
<td></td>
<td>01.101 or T01.101; 74.110 or 74.110; 07.100 or 07.111</td>
</tr>
<tr>
<td>01.204</td>
<td>Accounting Information Systems</td>
<td></td>
<td>*</td>
<td>As for 01.203</td>
</tr>
<tr>
<td>01.205</td>
<td>Financial Management</td>
<td></td>
<td>01.100 or T01.100, 01.101 or T01.101, 01.102, 01.103</td>
<td></td>
</tr>
<tr>
<td>01.206</td>
<td>Introduction to Investments</td>
<td></td>
<td>01.100 or T01.100; 01.101 or T01.101</td>
<td>As for 01.205</td>
</tr>
</tbody>
</table>

Part of Year: * as offered in the part of the year indicated.
Schedule

1. This Schedule sets out paper numbers, prerequisites, corequisites, restrictions and other conditions applying to papers for the Degree of Bachelor of Commerce.

2. The Schedule shall be read with the Regulations for the Degree and with the prescriptions set out elsewhere in the Calendar.

3. The heading 'prerequisites' in relation to a paper refers to other papers which must be passed before the candidate may take that paper.

4. The heading 'corequisites' in relation to a paper refers to other papers which must be taken concurrently with that paper or have been passed in a previous year.

5. The heading 'restrictions' in relation to a paper refers to a paper which cannot be taken in addition to that paper.

6. A candidate may not take a further stage of a subject until he satisfies all prerequisite and corequisite requirements for that stage of the subject.

7. Prerequisite and corequisite restrictions and qualifications may be waived or varied on the recommendation of the Head of Department. (Students are to apply for concessions on the appropriate form from the Faculty Office.)

8. Where a prerequisite has been waived on the recommendation of the Head of Department and reimposed as a corequisite, the paper or papers as to which the corequisite is imposed may not be credited as a pass for the candidate's course of study unless or until that corequisite has been passed.

9. Prior to 1995 the subject code 26 for Statistics is equivalent to 528.

<table>
<thead>
<tr>
<th>Corequisites</th>
<th>Restrictions</th>
<th>Qualifications</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>T01.100, T01.102</td>
<td>01.100, T01.102</td>
<td>The Head of the Department may waive the prerequisites for candidates with sufficient knowledge (including candidates with at least a B+ in T01.102 and T01.103)</td>
<td>The two papers T01.102 and T01.103 may be regarded as equivalent to T01.100 and T01.101 for students transferring into a BCom, as stated below in the Qualifications for Stage II Accounting and Finance papers.</td>
</tr>
<tr>
<td>T01.100 or T01.102</td>
<td>T01.101, T01.103</td>
<td>As for T01.100</td>
<td></td>
</tr>
<tr>
<td>As for T01.101</td>
<td>01.100, T01.100, T01.101, T01.102, T01.103, T01.104</td>
<td>As for T01.100</td>
<td></td>
</tr>
<tr>
<td>T01.200</td>
<td>01.200</td>
<td>As for T01.200</td>
<td></td>
</tr>
<tr>
<td>T01.202</td>
<td>As for T01.200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>01.203</td>
<td>As for T01.200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T01.205</td>
<td>T01.205</td>
<td>As for T01.200</td>
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</tr>
<tr>
<td>01.205</td>
<td>01.303 and T01.206</td>
<td>As for T01.200</td>
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</tr>
<tr>
<td>01.206 and 01.303</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Paper Number and Campus</td>
<td>Title of Paper</td>
<td>Availability</td>
<td>Part of Year</td>
</tr>
<tr>
<td>------------------------</td>
<td>---------------</td>
<td>--------------</td>
<td>--------------</td>
</tr>
<tr>
<td><strong>Accounting and Finance - Stage III</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>01.200</td>
<td>Financial Accounting</td>
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<td>01.200 or T01.200</td>
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<tr>
<td>T01.300</td>
<td>Financial Accounting</td>
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</tr>
<tr>
<td>01.301</td>
<td>Auditing</td>
<td></td>
<td>01.200 or T01.200, 01.203 or T01.203</td>
</tr>
<tr>
<td>T01.301</td>
<td>Auditing</td>
<td></td>
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</tr>
<tr>
<td>01.302</td>
<td>Strategic Management Accounting</td>
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<td>01.202 or T01.202</td>
</tr>
<tr>
<td>T01.302</td>
<td>Strategic Management Accounting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>01.306</td>
<td>Advanced Financial Management</td>
<td></td>
<td>01.205 or T01.205</td>
</tr>
<tr>
<td>01.307</td>
<td>Modern Investment Theory &amp; Management</td>
<td></td>
<td>01.206 or T01.206</td>
</tr>
<tr>
<td>01.308</td>
<td>Risk &amp; Insurance</td>
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<td>01.206 or T01.206</td>
</tr>
<tr>
<td>01.309</td>
<td>Public Sector Management Accounting and Control</td>
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<tr>
<td>01.314</td>
<td>Special Topic in Accounting</td>
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</tr>
<tr>
<td>01.315</td>
<td>Special Topic in Finance</td>
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</tr>
</tbody>
</table>

| **COMMERCIAL LAW** | | | | |

**Commercial Law - Stage I**

<table>
<thead>
<tr>
<th>Paper Number</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Part of Year</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>02.100</td>
<td>Introduction to Law</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T02.100</td>
<td>Introduction to Law</td>
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</tr>
<tr>
<td>02.101</td>
<td>Law, Science and Technology</td>
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<tr>
<td>T02.101</td>
<td>Law, Science and Technology</td>
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</tr>
</tbody>
</table>

**Commercial Law - Stage II**

<table>
<thead>
<tr>
<th>Paper Number</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Part of Year</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>02.200</td>
<td>Contracts and Restitution</td>
<td></td>
<td>02.100 or T02.100</td>
<td></td>
</tr>
<tr>
<td>T02.200</td>
<td>Contracts and Restitution</td>
<td></td>
<td>As for 02.200</td>
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<tr>
<td>02.201</td>
<td>Property, Insurance and Credit</td>
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<td>As for 02.200</td>
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<tr>
<td>T02.201</td>
<td>Property, Insurance and Credit</td>
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<td>As for 02.200</td>
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<tr>
<td>02.202</td>
<td>Law of Business Organisations</td>
<td></td>
<td>As for 02.200</td>
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<tr>
<td>T02.202</td>
<td>Law of Business Organisations</td>
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<td>As for 02.200</td>
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</tr>
<tr>
<td>02.203</td>
<td>Labour Law</td>
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<td>As for 02.200</td>
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<td>T02.203</td>
<td>Labour Law</td>
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<td>As for 02.200</td>
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<tr>
<td>02.204</td>
<td>Legal Environment of Business</td>
<td>1st half</td>
<td>25.103</td>
<td>As for 02.200</td>
</tr>
<tr>
<td>T02.204</td>
<td>Legal Environment of Business</td>
<td>1st half</td>
<td>25.103</td>
<td>As for 02.200</td>
</tr>
<tr>
<td>02.205</td>
<td>Law of Marketing</td>
<td></td>
<td>As for 02.200</td>
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</tr>
<tr>
<td>T02.205</td>
<td>Law of Marketing</td>
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<td>As for 02.200</td>
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<tr>
<td>02.207</td>
<td>Computer and Telecommunications Law</td>
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<td>02.100 or T02.100 or 02.101 or T02.101, 02.200 or T02.200 or T02.207</td>
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<tr>
<td>T02.207</td>
<td>Computer and Telecommunications Law</td>
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<td>02.100 or T02.100 or 02.101 or T02.101, 02.200 or T02.200 or T02.207</td>
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**Commercial Law - Stage III**

<table>
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<tr>
<th>Paper Number</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Part of Year</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>02.201</td>
<td>Taxation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02.301</td>
<td>Corporate Rescue and Insolvency</td>
<td></td>
<td>02.202 or T02.202, 01.200 or T01.200</td>
<td></td>
</tr>
<tr>
<td>02.303</td>
<td>Corporate Rescue and Insolvency</td>
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### Faculty of Commerce

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**ECONOMICS**

**Economics - Stage I**

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**Economics Stage II**

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**Economics - Stage III**

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**MANAGEMENT SCIENCE AND INFORMATION SYSTEMS**

**Management Science and Information Systems - Stage I**

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<td>T74.110</td>
<td>Computers and Information Systems</td>
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<td>T07.115</td>
<td>Computers and Programming</td>
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**Management Science and Information Systems - Stage II**

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<td>Introduction to Operations Research</td>
<td>Any 6 credits in Mathematics or Statistics; Either (07.100 and 07.105) or (T74.110 and T07.115).</td>
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<td>T07.233</td>
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<td>Students who passed 26.293 and/or 74.200 prior to 1992 may not enrol in either 528.293 or T528.293 or 74.200 or T74.200 under these Regulations</td>
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| 74.200                 | Operations Management                               |              |                                          | As for 74.200
| 74.220                 | Systems Analysis                                    |              |                                          | (74.100 or T74.110) and one Stage I Accounting paper 74.100 or T74.110 or 07.105 |
| 74.221                 | Programming Laboratory                              |              |                                          | 74.100 or T74.110 or 07.105                                                   |
| 74.222                 | Database Management Systems                         |              |                                          | 74.100 or T74.110 or 07.115                                                   |
| T74.223                | Information Technology for Management               |              |                                          | 74.100 or T74.110 or 07.115                                                   |
| T74.224                | Introduction to Data Communications                 |              |                                          | T74.110 and T07.115                                                           |
| T74.230                | Information Systems Analysis                        |              |                                          | T74.110 and T07.115 and I Stage I Accounting paper T74.110 and T07.115         |
| T74.231                | Information Systems Programming                     |              |                                          | (74.200 or T74.200) and (528.293 or T528.293)                                |
| T74.232                | Database Management Systems                         |              |                                          |                                                                                |
| Management Science and Information Systems - Stage III 74.300 | Advanced Operations Management                      |              |                                          |                                                                                |
| 74.301                 | Project in Operations Management                    |              |                                          | As for 74.300
| 74.302                 | Information Integrated Operations                   |              |                                          | As for 74.300
| 74.310                 | Total Quality Management                            |              |                                          | As for 74.300
| 528.391                | Optimisation in Operations Research                  |              |                                          | 74.100 or 07.100, T74.110 or 07.111; or suitable computing experience; 26.208 or T26.208 or 26.251 or equivalent papers approved by the Head of Department; the special interdisciplinary nature of this paper may allow alternative prerequisites to those listed.
| 528.395                | Mathematical Modelling in Operations Research       |              |                                          | A Stage I statistics paper; 74.100 or 07.100, T74.110 or 07.111 or suitable computing experience; 26.208 or T26.208 or 26.251 or equivalent papers approved by the Head of Department; the special interdisciplinary nature of this paper may allow alternative prerequisites to those listed.
| 74.320                 | Systems Design                                      |              |                                          | As for 74.320
| 74.321                 | Systems Project                                     |              |                                          | As for 74.320
<p>| 74.323                 | Management of Information Systems                   |              |                                          | (74.222 to T74.222 or 07.222 or T07.222) and one of (07.105 or 07.115 or 07.115 or T74.221) or (07.211 and 07.230 or 07.231) |
| 74.324                 | Data Communications                                 |              |                                          |                                                                                |</p>
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<td>74.325</td>
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<tr>
<td>74.326</td>
<td>Special Topic: Social and Organisational Issues in Computing</td>
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<tr>
<td>74.327</td>
<td>Advanced Database Concepts and Decision Support Systems</td>
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| 74.328, T74.329        | Special Topic: Advanced Data Communications         | †            |              | (74.220 or T74.220 or T07.230) and (74.222 or T74.222 or T74.232) and (74.220 or T74.220 or T74.230) and (74.222 or T74.222 or T74.232) and (74.220 or T74.220 or T74.230) and (74.222 or T74.222 or T74.232) |}
| 74.330                 | Information Systems Design                          | †            |              | Permission of Head of Department 74.222 or T74.222 or 07.222 or T07.222       |
| 74.331                 | Special Topic: Database Systems                     | †            |              | Permission of Head of Department 74.222 or T74.222 or 07.222 or T07.222       |
| T74.332                | Management of Information Systems                   | †            |              | Permission of Head of Department 74.222 or T74.222 or 07.222 or T07.222       |
| T74.333                | Management of Information Systems                   | †            |              | Permission of Head of Department 74.222 or T74.222 or 07.222 or T07.222       |
| T74.334, T74.335       | Special Topic: Optimisation in Management Science   | †            |              | Permission of Head of Department 74.222 or T74.222 or 07.222 or T07.222       |
| T74.392                | Optimisation in Management Science                  | †            |              | As for 74.392                                                                 |
| 74.396, T74.392        | Stochastic Method in Management Science             | †            |              | As for 74.392                                                                 |

**MANAGEMENT STUDIES AND LABOUR RELATIONS**

Management Studies and Labour Relations - Stage I

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Management Studies and Labour Relations - Stage II

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Management Studies and Labour Relations - Stage III

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Faculty of Commerce

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**MARKETING AND INTERNATIONAL BUSINESS**

**Marketing and International Business - Stage II**

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**Marketing and International Business - Stage III**

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**MATHEMATICS**

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(1) Students may enrol in at most one paper in the sequence 26.101 or T26.101 or E26.101, 26.151, 26.152, 26.251, 26.252 in each half year.
(2) This paper is not available to students scoring over 55 marks in a Bursary Mathematics paper or the equivalent. It may not be
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<td>T26.108</td>
<td>Algebra and Calculus for Commerce</td>
<td></td>
<td>2nd half</td>
<td></td>
</tr>
<tr>
<td>26.151</td>
<td>Mathematics 3</td>
<td></td>
<td>1st half</td>
<td>As for 26.151</td>
</tr>
<tr>
<td>T26.151</td>
<td>Mathematics 3</td>
<td></td>
<td>1st half</td>
<td></td>
</tr>
<tr>
<td>26.152</td>
<td>Mathematics 4</td>
<td></td>
<td>2nd half</td>
<td>26.151 or T26.151</td>
</tr>
<tr>
<td>T26.152</td>
<td>Mathematics 4</td>
<td></td>
<td>2nd half</td>
<td>As for 26.152</td>
</tr>
</tbody>
</table>

**Mathematics, Pure - Stage II**

- 26.208 Mathematics for Commerce
  - Prerequisites: As for 26.151
- T26.208 Mathematics for Commerce
  - Prerequisites: As for 26.208

One or two papers from courses as prescribed for BSc.

**Mathematics, Pure - Stage III**

One, two or three papers from courses as prescribed for BSc.

**STATISTICS**

**Statistics - Stage I**

- 528.180 Principles of Statistics
- 528.181 Introduction to Probability and Statistics
- E528.182 Introduction to Probability and Statistics
- 528.188 Probability and Statistics for Commerce
- T528.188 Probability and Statistics for Commerce

**Statistics - Stage II**

- 528.280 Statistical Theory
  - Prerequisites: 528.180 or 26.180 with permission of Head of Department, any other Stage I Statistics paper
- 528.281 Data Analysis
- T528.281 Data Analysis
  - Prerequisites: Any Stage I Statistics paper
  - Prerequisites: As for 528.281
<table>
<thead>
<tr>
<th>Corequisites</th>
<th>Restrictions</th>
<th>Qualifications</th>
<th>Notes</th>
</tr>
</thead>
</table>
(3) The corequisite is waived for students scoring over 55 marks in a Bursary Mathematics paper or the equivalent. |
| 26.101 T26.101, 26.102 13.105 | See notes 1, 2 |  | (4) The prerequisite is waived for students scoring over 55 marks in a Bursary Mathematics paper or the equivalent. |
are available to Commerce students and students in other courses of study who are enrolled in an economics paper As for 26.108 |
| 26.101 or T26.101 or E26.101 | See notes 1, 3 26.120, 26.121, 26.122, 26.140, 26.141, 26.142 | See Notes 1, 3, 4, 528.188 or T528.188 |  
are available to Commerce students and students in other courses of study who are enrolled in an economics paper As for 26.108 |
| As for 26.151 26.120, 26.121, 26.122, 26.140, 26.141, 26.142, 26.151 | See notes 1, 3 26.120, 26.121, 26.122, 26.140, 26.141, 26.142, 26.151 | See Notes 1, 3, 4, 528.188 or T528.188 |  
are available to Commerce students and students in other courses of study who are enrolled in an economics paper As for 26.108 |
are available to Commerce students and students in other courses of study who are enrolled in an economics paper As for 26.108 |
| 26.208 and all other Stage II Pure Mathematics papers 26.208 and all other Stage II Pure Mathematics papers | At the discretion of the Head of Department of Mathematics. | At the discretion of the Head of Department of Mathematics. |

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**Notes:**

(1) The corequisite is waived for students scoring over 55 marks in a Bursary Mathematics paper or the equivalent.

(2) The prerequisite is waived for students scoring over 55 marks in a Bursary Mathematics paper or the equivalent.

(3) The corequisite is waived for students scoring over 55 marks in a Bursary Mathematics paper or the equivalent.

(4) The prerequisite is waived for students scoring over 55 marks in a Bursary Mathematics paper or the equivalent.

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**Faculty of Commerce**

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**Corequisites**

26.151 or 26.108 or equivalent papers approved by the Head of Department

All other Stage I Statistics papers and 13.102

No candidate may be credited with more than one of 528.180, 528.181, E528.182, T528.187, 528.188, T528.188, 26.181, 26.182, T26.187, 26.188, T26.188 or 13.102

As for 528.180

As for 528.180

As for 528.180

As for 528.180

26.251 or 26.208 or 26.231 or equivalent papers approved by the Head of Department

<table>
<thead>
<tr>
<th>Paper Number and Campus</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Part of Year</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>528.288</td>
<td>Data Analysis for Commerce</td>
<td></td>
<td></td>
<td>Any Stage I Statistics paper</td>
</tr>
<tr>
<td>T528.288</td>
<td>Data Analysis for Commerce</td>
<td></td>
<td></td>
<td>As for 528.288</td>
</tr>
<tr>
<td>528.293</td>
<td>Introduction to Operations</td>
<td></td>
<td></td>
<td>Six Credits in Statistics or Pure or Applied Mathematics</td>
</tr>
<tr>
<td>T528.293</td>
<td>Research</td>
<td></td>
<td></td>
<td>As for 528.293</td>
</tr>
<tr>
<td>Statistics - Stage III</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>528.380</td>
<td>Applied Probability</td>
<td></td>
<td></td>
<td>528.180 or 26.180; 26.252 or 26.208 or 26.231 or equivalent papers approved by the Head of Department</td>
</tr>
<tr>
<td>528.381</td>
<td>Advanced Statistical Theory</td>
<td></td>
<td></td>
<td>26.280 or 26.280; 26.252 or 26.231 or equivalent papers approved by the Head of Department</td>
</tr>
<tr>
<td>528.382</td>
<td>Design of Surveys &amp; Experiments</td>
<td></td>
<td></td>
<td>26.280 or 26.281 or 26.288 or T26.288 or 528.280 or 528.281 or T528.281 or 528.280; Or 528.280 approval of Head of Department</td>
</tr>
<tr>
<td>528.385</td>
<td>Advanced Data Analysis</td>
<td></td>
<td></td>
<td>As for 528.382</td>
</tr>
<tr>
<td>T528.385</td>
<td>Advanced Data Analysis</td>
<td>+</td>
<td></td>
<td>As for 528.385</td>
</tr>
<tr>
<td>528.386</td>
<td>Advanced Statistical Modelling</td>
<td></td>
<td></td>
<td>As for 528.382</td>
</tr>
<tr>
<td>T528.386</td>
<td>Advanced Statistical Modelling</td>
<td>+</td>
<td></td>
<td>As for 528.382</td>
</tr>
<tr>
<td>528.387</td>
<td>Financial Mathematics</td>
<td></td>
<td></td>
<td>26.208 or T26.208 or 26.151 or 26.231;528.180 or a B+ in 528.281; 01.206 or a Stage III Statistics paper; approval of Head of Department; the special interdisciplinary nature of this paper may allow alternative prerequisites to those listed</td>
</tr>
<tr>
<td>528.391</td>
<td>Optimization in Operations</td>
<td></td>
<td></td>
<td>74.100 or T74.100 or 07.100 or 07.111; or suitable computing experience 26.208 or T26.208 or 26.251; or equivalent papers approved by the Head of Department; the special interdisciplinary nature of this paper may allow alternative prerequisites to those listed</td>
</tr>
<tr>
<td>T528.391</td>
<td>Research</td>
<td></td>
<td></td>
<td>As for 528.391</td>
</tr>
<tr>
<td>528.395</td>
<td>Mathematical Modelling for</td>
<td></td>
<td></td>
<td>A Stage I Statistics paper; 74.1 or T74.100 or 07.100 or 07.1 or suitable computing experience 26.208 or T26.208 or 26.25 or equivalent papers approved by the Head of Department; special interdisciplinary nature of this paper may allow alternative prerequisites to those listed</td>
</tr>
<tr>
<td></td>
<td>Operations Research</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Corequisites  | Restrictions  | Qualifications  | Notes  
---|---|---|---  
528.281, T528.281, T528.288, 26.281, T26.281, 26.288, T26.288  |  | Refer Management Science and Information Systems Stage II Schedule. Students who passed 26.293 and/or 74.200 prior to 1992 may not enrol in either 528.293 or T528.293 or 74.200 under these Regulations  |  
528.293, 26.293, T26.293  |  | As for 528.293  |  
528.385 and T528.385  |  |  |  
528.385 and T528.385  |  |  |  
528.385 and T528.385  |  |  |  
54.251, T54.251, 74.392, 54.251, 26.391  |  |  |  
528.391, 74.392, 54.251  |  |  |  
26.391  |  |  |  
54.354, 54.355, 74.396, 528.385, T528.385  |  |  |  

Notes
### THE DEGREE OF BACHELOR OF COMMERCE (HONOURS) BCom(Hons)

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General) and the Examination Regulations.

#### General Provisions

1. Except as provided in the Admission Regulations a candidate for the Degree of Bachelor of Commerce with Honours shall pursue a course of study for not less than four years.
2. The Degree may be awarded in each of the following subjects: Accounting and Finance, Commercial Law, Economics, Management Science and Information Systems and Marketing and International Business.
3. Admission to the course of study for the Degree of Bachelor of Commerce (Honours) shall be at the discretion of the Senate and shall be given to a candidate who has passed for the Degree of Bachelor of Commerce either fourteen or twenty-one papers. A candidate who has completed the requirements for a conjoint Bachelor of Commerce degree programme shall for this Degree be deemed to have passed twenty-one papers, but shall not normally be exempted from any other prerequisite requirements for entry to Honours.
4. No candidate shall be admitted to an Honours subject without the approval of the Head of Department and of the Senate. Such approval shall be granted or withheld upon a consideration of the candidate’s performance in the courses of University study already pursued by the candidate and particularly in the papers required as pre-requisites to that Honours Programme.
5. No candidate may be awarded the Degree of Bachelor of Commerce (Honours) if he or she has previously been awarded the Degree of Bachelor of Commerce of this University.
6. Notwithstanding anything in Regulation 12, a candidate for this Degree may substitute:
   (a) One paper in another subject in which the degree is being taken.
   (b) Up to one Stage III paper not already taken for any other degree or diploma.
7. A candidate shall sit the final examinations for the Degree within:
   (a) two years for those admitted with fourteen papers towards the Degree of Bachelor of Commerce or
   (b) one year for those admitted with twenty-one papers towards the Degree of Bachelor of Commerce except that a candidate with other demanding responsibilities may have his or her course of study under (a) and (b) extended by one year, provided the individual course of study is determined by the Senate on the recommendation of the Head of Department prior to first enrolment.
8. A candidate shall be required to pass the whole of Part III of the Honours Programme so that the performance in all papers comprising this part shall be considered.
9. A candidate who, on the results of the examinations, does not reach the standard required in the Honours Programme in which he or she is enrolled, shall be excluded by the Senate from the Honours Programme but he or she may be granted such credits and exemptions for papers for the Degree of Bachelor of Commerce together with appropriate credits towards the Diploma of Commerce and or the Degree of Master of Commerce as the Senate shall determine.
10. A candidate may withdraw from Honours and be granted such credits and exemptions for papers for the Degree of Bachelor of Commerce and or for the Diploma of Commerce or the Master of Commerce as the Senate shall determine.

#### Classes of Honours

11. The Degree of Bachelor of Commerce (Honours) may be awarded with First Class or Second Class Honours. Second Class Honours shall be awarded in either First Division or Second Division. The class of honours awarded shall be determined primarily on the performance of the candidate in the examinations in his or her final year but account may be taken of the candidate’s work throughout his or her course of study.

#### Requirements of Honours Programme

12. Subject to the provision to Regulation 5, an Honours Degree shall consist of Part I and Part II of the Degree of Bachelor of Commerce and Part III as prescribed in the Schedule to these regulations.
13. Unless otherwise provided in the Schedule to these regulations, no candidate shall be permitted to proceed to Part III before completing Parts I and II.
14. The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.
15. These Regulations shall come into force on 1 January 1993.

#### SCHEDULE

**Honours Part III**

**Accounting and Finance**
Candidates normally will be admitted to the Honours programme after completion of fourteen papers for the Degree of Bachelor of Commerce. Candidates shall complete two half papers 01.450 and 01.451 as one of the remaining seven papers for the Degree of Bachelor.
Corequisites | Restrictions | Qualifications | Notes
---|---|---|---

The Head of Department of the subject concerned may require the candidate to pass in a paper or course as prescribed for any other degree.


* Starred papers will not be taught in the current Calendar year.
† Daggered papers may not be taught during current Calendar year unless sufficient staff are available.
"T" prefix - taught at the Tamaki Campus

of Commerce. Candidates shall complete 01.452, seven half papers selected from 01.460 to 01.496, and a research essay (01.623) which shall count as one paper. One stage III paper may be taken in place of two of the elective half papers. All candidates shall have their programmes of study approved by the Head of Department. Candidates who have passed 01.412 in 1993 for this programme shall be exempted from 01.450 and 01.451 and restricted from enrolment in 01.450.

Commercial Law
A candidate entering the Honours Programme after the completion of fourteen papers shall complete 02.440 Legal Research as part of the remaining seven papers required for the Degree of Bachelor of Commerce.
(i) 02.440 Legal Research, or if completed another paper approved by the Head of Department from those listed under (ii).
(ii) Three papers selected from 02.420 to 02.431.
(iii) 02.623 Research Essay.

Economics
(i) Four papers selected from 13.400 to 13.423.
(ii) 13.623 Research Essay
In respect to Regulation 12, an Economics candidate must have completed at least eight Economics papers prior to selection for Part III Honours. At least one of the Stage III papers taken must be 13.300 or 13.301, and 13.205.

Management Science and Information Systems
A candidate entering the Honours programme after the completion of fourteen papers shall complete 74.328 Special Topic as part of the remaining seven papers required for the Degree of Bachelor of Commerce.
(i) one half paper 74.460 Research Methods I.
(ii) seven half papers selected from 74.430 to 74.459.
(iii) 74.623 Research Essay, which shall count as one paper.

Marketing and International Business
(i) 71.403 Research Methods in Marketing and three papers selected from 71.400 to 71.413.
(ii) 71.623 Research Essay.
(iii) A Marketing and International Business candidate must have completed at least three Marketing and International Business papers at Stage III.

THE DEGREE OF BACHELOR OF TECHNOLOGY BTech
The Bachelor of Technology is an Inter-Faculty offering. For detailed Regulations refer to the Inter-Faculty Degrees and Diplomas section of this Calendar. Prescriptions for individual papers may be found in the Prescriptions for the Degrees of BCom, BE and BSc in the appropriate sections of this Calendar.

THE DEGREE OF MASTER OF COMMERCE MCom
The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations. Students not qualified to enrol for MCom by reason of Clause 1 (a) of these Regulations may be permitted to enrol for MPhil.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Degree of Master of Commerce shall before the candidate’s enrolment for this Degree:
   (a) have been admitted or qualified for admission to the Degree of Bachelor of Commerce (Honours) or Degree of Bachelor of Commerce, except as provided in Regulations 2 and 3 below, and
   (b) (i) have fulfilled the prerequisites for the candidate’s subject as shown in the Schedule to these Regulations, and either
       (ii) have obtained a grade of C+ or better on average in the Stage III papers in the subject which the candidate proposes to take for this Degree, provided that, in special circumstances where the Head of Department so recommends, the Senate may accept an average grade of less than C+ or waive such prerequisites as it thinks fit, or
       (iii) For BCom(Hons) candidates, a pass in the final BCom(Hons) year in the subject offered for this degree.

Note: Relevance and standard of undergraduate study are the main criteria for approval.
2. Subject to the Admission Regulations, a candidate may, after having completed at least nineteen papers for the Bachelor of Commerce Degree, enrol for this Degree, upon the following conditions:
   (a) that the candidate:
      (i) proposes for this Degree a course to extend over not fewer than two academic years;
      (ii) has obtained grades averaging B- or above in the advanced papers for the Bachelor of Commerce Degree of the subject proposed for this Degree;
      (iii) satisfies the conditions in Regulation 1(b) of these Regulations, or is exempt from them;
      (iv) enrolls for the remaining paper or papers for the Bachelor of Commerce degree in the first year of the candidate's course for this Degree; and
   (b) that no such remaining paper shall be prerequisite for this Degree; and
   (c) that, should the candidate not pass each such remaining paper in the first year of his or her course for this Degree, that course shall be suspended until that paper is passed.

3. Subject to the Admission Regulations, a candidate who has been admitted or qualified for admission to the degree of Master of Business Administration may enrol for this degree on the following conditions:
   (a) that the candidate has passed a minimum of six papers above Stage I selected from the BCom Schedule, of which at least three must be Stage III papers in the subject the candidate proposed to take for his degree, and
   (b) have obtained a grade of C+ or better on average in these three Stage III papers.

4. A candidate shall be required to fulfill the requirements of and pass the examination in one of the subjects prescribed in the Schedule, except that a thesis only may, with the permission of the Senate, on the recommendation of the Head of Department be presented by a BCom(Hons) candidate for this Degree.

5. Notwithstanding anything in Regulation 3, a candidate for this Degree may with the permission of the Senate take:
   (i) one Stage III or one Master's paper or
   (ii) one Stage III and one Master's paper, or
   (iii) two Master's papers, in a subject other than the one being taken for the Degree, if each such paper is related to the candidate's research interests. Each such paper shall substitute for and be equivalent to one paper in the Master's course of the subject in which the Degree is being taken.

6. No candidate shall take for this Degree any paper the same as or substantially equivalent to any other paper the candidate has passed or is taking and obtain credit for both for this Degree.

7. A candidate shall not take for this Degree a subject in which the candidate has already passed for the Degree of Master of Arts or 74.461 Research Methods II in the first year of enrolment, except that this may be varied with the permission of the Head of Department.

8. Subject to Regulation 9(d) a candidate shall complete the requirements for this Degree within twenty four months of the date of first enrolment for the Degree. However, a candidate with other demanding responsibilities may fulfill the requirements for this Degree within thirty six months of first enrolment for the Degree, with eligibility for Honours, the individual course of study being determined at or before first enrolment by the Senate on the recommendation of the Head of Department.

Honours
9. (a) There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions, First Division and Second Division.
   (b) BCom(Hons) candidates for this degree may not be awarded Honours in the Master's Degree in the same subject.
   (c) The Degree may be awarded with distinction to any BCom(Hons) candidate who has achieved the standard equivalent to First Class Honours.
   (d) The Degree may be awarded with merit to any BCom(Hons) candidate who has achieved the standard equivalent to Second Class Honours, Division One.
   (e) Honours shall not be awarded if the papers in the first year in which a candidate sits an examination for the Degree are unsatisfactory or if the thesis at its first presentation is unsatisfactory, provided, however, that a candidate whose performance at a written examination has been seriously impaired by illness or exceptional circumstances beyond the candidate's control (certified as under the Aegrotat Pass or Compassionate Pass provisions of the Examination Regulations) may elect, instead of applying for an aegrotat or compassionate pass, to present himself or herself at a subsequent written examination and still be eligible for the award of Honours, subject to the provisions of Regulation 7 above, and to Regulation 9 and 10 of the Examination Regulations.

Thesis
10. (a) A thesis shall embody the results obtained by the candidate in an investigation in some branch of the subject.
   (b) A thesis may be presented in the first year of enrolment for this degree:
      (i) if the candidate has achieved the degree of BCom(Hons) or
      (ii) in exceptional cases, approved by the Head of Department.
   (c) A candidate may enrol for a thesis in any year subsequent to the first year of enrolment for this Degree only if the candidate obtains an average grade of at least B- in the papers sat in the first year (provided a thesis is not a compulsory requirement for the candidate's subject).
   (d) (i) A candidate shall present the thesis not later than twenty-four months after the date of first enrolment for this Degree, provided that this period may be extended by the Head of Department concerned for not more than one year and in exceptional circumstances for longer by the Senate.
      (ii) A candidate taking this degree by thesis only shall present a thesis within eighteen months of first enrolment, but the time may be extended in exceptional circumstances as approved by the Senate.
   (e) If the examiner with the concurrence of the Assessor so recommends, a thesis which is not considered satisfactory shall be returned to the candidate, who may be permitted to revise it and to represent it subject to Regulation 9 (d) above by a later date specified by the Head of Department.

Note: An abstract is to be submitted with each copy of the thesis, see Examination Regulation 15.

Personal Course of Study
11. The personal course of study of a candidate shall require the approval of the appropriate Head of Department.
12. The Senate may in such exceptional cases as it thinks fit approve a personal course of study which does not conform to the foregoing Regulations.
13. These Regulations shall come into force on 1 January, 1975.
SCHEDULE

(1) Accounting and Finance
Prerequisites: Eight papers in the subject Accounting and Finance including three Stage III papers.
Requirements: Eight half papers and a thesis (01.611) which shall count as three papers.
All candidates will normally complete 01.450, 01.451 and 01.452 in their first year of enrolment. The remaining papers are to be selected from 01.460 to 01.496.

(2) Commercial Law
Prerequisites: Two Stage III Commercial Law papers and one other Stage III paper in Commerce approved by the Head of the Department of Commercial Law.
Requirements: Seven papers; or six papers and a research essay (02.603) which shall count as one paper; or four papers and a thesis (02.611) which shall count as three papers.
The papers shall be selected from 02.400 to 02.419, 02.450 to 02.452.

(3) Economics
Prerequisites: Eight papers in the subject Economics including one Stage II paper, 13.205 and three Stage III papers one of which must be 13.300 or 13.301.
Requirements: Seven papers; or four papers and a thesis (13.611) which shall count as three papers; or six papers and a research essay (13.603) which shall count as one paper. The papers shall be selected from 13.400 to 13.423.

(4) Management Science and Information Systems
Prerequisites: Three Stage III Management Science and Information Systems papers.
Requirements: Eight half papers and a thesis (74.611) which shall count as three papers; or ten half papers and a project (74.602) which shall count as one paper. All candidates must enrol in paper 71.460 Research Methods I and 74.461 Research Methods II in the first year of enrolment, excepting that this may be varied with the permission of the Head of Department.
All candidates shall include a minimum of 4 half papers from the following:
(a) 74.430 to 74.438
(b) 74.440 to 74.447
(c) 74.450 to 74.459
Note: Half papers in this schedule are defined as of twelve week's duration containing a minimum of 24 lectures.

(5) Management Studies and Labour Relations
Prerequisites: Three Stage III Management Studies and Labour Relations papers.
Requirements: Four papers and a thesis (72.611) which shall count as three papers; or six papers and a research essay (72.603) which shall count as one paper.
All candidates must enrol for paper 72.410 (Research Methods) in the first year of enrolment. The remaining papers shall be selected from 72.405 to 72.426, 71.413 (see MCom Regulation 5).

(6) Marketing and International Business
Prerequisites: Three Stage III Marketing and International Business papers.
Requirements: Four papers and a thesis (71.611) which shall count as three papers; or six papers and a research essay (71.603) which shall count as one paper.
All candidates must enrol for 71.403 (Research Methods in Marketing) in the first year of enrolment. The remaining papers shall be selected from 71.400 to 71.402 and 71.409 to 71.413.

THE DEGREE OF MASTER OF BUSINESS ADMINISTRATION MBA

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study, students are referred to the Enrolment and Course Regulations (General) and the Examination Regulations. Every intending new candidate must apply to the Registrar for permission to enrol in the course not later than 15 October, or such other date as the Senate may determine, of the year preceding that in which the candidate proposes to enrol.

General Provisions
1. A candidate for the Degree of Master of Business Administration shall be admitted to either the Executive Course or the Management Course.
2. Subject to the Admission Regulations a candidate taking the Executive Course for the Degree of Master of Business Administration shall before enrolment for this Degree:
   (a) (i) have been admitted or qualified for admission to a Bachelor's Degree or
      (ii) hold a Senate approved professional qualification in Accounting, Engineering, Science, or other approved discipline or
      (iii) perform outstandingly in such tests of academic aptitude as may be prescribed by the Senate, and
   (b) have had not less than five years of managerial experience and ten years of relevant work experience, and
   (c) have taken the Graduate Management Admission Test.
3. Subject to the Admission Regulations, a candidate taking the Management Course for the Degree of Master of Business Administration shall before enrolment for this Degree:
   (a) (i) have been admitted or qualified for admission to a Bachelor's Degree or
      (ii) hold a Senate approved professional qualification in Accounting, Engineering, Science, or other approved discipline or
      (iii) perform outstandingly in such tests of academic aptitude as may be prescribed by the Senate, and
   (b) have had not less than five years of relevant work experience, and
   (c) have taken the Graduate Management Admission Test.
4. Admission to the course of study shall be at the discretion of the Senate.
5. A candidate may be required by the Senate to undertake a transitional course of study.

Course Requirements
6. A candidate for the Degree of Master of Business Administration shall be required to:
   (a) follow a course of study with a duration equivalent to not less than two academic years, and
   (b) pass the examination for either the Executive Course or the Management Course, and
   (c) perform laboratory and practical work to the satisfaction of the Senate.
Executive Course

7. A candidate admitted to the Executive Course shall be required to pass in each of fifteen papers and a project equivalent to three papers, and to complete not less than fifteen days of laboratory and practical work as prescribed by the Senate.

- 270.451 Microeconomics
- 270.452 Macroeconomics
- 270.455 Legal Studies
- 270.460 Accounting
- 270.463 Financial Management
- 270.470 Quantitative Methods
- 270.471 Operations Management
- 270.472 Management of Information Systems
- 270.470.47 Business to Business Analysis and Marketing
- 270.470.485 Organisation and Management
- 270.470.488 Human Resource Management
- 270.490 International Business
- 270.492 New Zealand and the International Policy Issues
- 270.495 Strategic Management
- 270.496 Advanced Business Strategy
- 270.499 Management Project (value 3 papers)

Management Course

8. A candidate admitted to the Management Course shall be required to pass in each of eighteen papers and to complete not less than fifteen days of laboratory and practical work as prescribed by the Senate.

- 270.401 Microeconomics
- 270.402 Macroeconomics
- 270.403 Special Topic in Economics
- 270.405 Legal Studies
- 270.406 Special Topic in Law
- 270.410 Accounting
- 270.413 Financial Management
- 270.420 Quantitative Methods
- 270.421 Operations Management
- 270.422 Management of Information Systems
- 270.425 Marketing Management
- 270.435 Organisation and Management
- 270.436 Special Topic in Management
- 270.438 Human Resource Management
- 270.442 New Zealand and the International Policy Issues
- 270.443 Special Topic in Health Care Management and Policy
- 270.445 Strategic Management
- 270.414 Investment Analysis
- 270.415 International Finance
- 270.418 Case Studies in Finance
- 270.419 Special Topic in Finance
- 270.423 Management of Quality
- 270.424 Technology, Organisation and Change
- 270.426 Strategic Marketing
- 270.427 New Ventures
- 270.431 Business to Business Analysis and Marketing
- 270.432 Services Marketing
- 270.433 Information Technology and the New Marketing
- 270.434 Special Topic in Marketing
- 270.437 Organisational Development and Change
- 270.439 Special Topic in Human Resource Management
- 270.440 International Business

Notes:
* Starred papers will not be taught in the current Calendar year.
† Daggered papers may not be taught during current Calendar year unless sufficient staff are available.

Credits

9. With the approval of the Senate a candidate admitted to either the Management or Executive Course of study for this Degree who has been awarded or completed the requirements for the award of a diploma offered in or after 1989 by the Graduate School of Business may be credited with up to two papers for this Degree.

10. With the approval of the Senate, a candidate admitted to the Management Course of study may enrol in up to two MCom papers and credit passes in those papers towards an MBA degree.

11. In exceptional circumstances, the Senate may approve a personal course of study which does not conform to the foregoing Regulations.

12. These Regulations shall come into force on 1 January, 1992.

THE DEGREE OF MASTER OF MANAGEMENT MMgt

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their course of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations, a candidate for the Degree of Master of Management shall before enrolment for the Degree:
   (a) (i) have qualified for admission to a Bachelor’s Degree and have satisfied the Senate as being qualified to enrol for the degree, or
   (ii) have produced evidence to the satisfaction of the Senate of qualification for entry to the Degree through extensive practical, professional, or scholarly experience of an appropriate kind; and
   (b) have had not less than five years of managerial experience and ten years of relevant work experience.

2. Admission to the course shall be at the discretion of the Senate.

Course Requirements

3. A candidate for the Degree of Master of Management shall:
   (a) pursue a course of study for not less than two academic years, and
   (b) satisfactorily complete a core content and process paper, 277.400 Managing Strategic Change (value of one paper) and
   (c) complete to the satisfaction of Senate an additional course of seminars, tutorials, directed reading, practical and laboratory work prescribed by Senate, and
   (d) complete a project in each of the following areas in the order set down, the assessment of such projects to include an oral examination and external assessment:
      277.410 Organisational Assessment(value of two papers)
      277.420 Organisational Change (value of two papers)
      277.430 Managing a Strategic Intervention (equivalent to three paper thesis)

4. In exceptional circumstances Senate may require a candidate to complete a paper or papers as prescribed for another degree, diploma or certificate in addition to the course prescribed under regulation 3.

5. A candidate for this Degree shall complete the requirements for this Degree within four years of first enrolment for this Degree.
6. Notwithstanding anything in Regulation 13 of the Enrolment and Course Regulations (General), a candidate will not be permitted to continue enrolment in this course who, in the opinion of Senate, has not met the requirements in clause 3(b) or 3(c) of these regulations, or has failed to complete satisfactorily any one of the projects under clause 3(d) of these regulations.

7. The Senate may in such exceptional circumstances as it sees fit, approve a personal course of study which does not conform to the foregoing regulations.

8. These Regulations shall come into force on 1 January 1995.

THE DEGREE OF MASTER OF COMMERCIAL LAW MComLaw

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations, a candidate for the Degree of Master of Commercial Law shall, before enrolment to this Degree:
   (a) have been admitted or qualified for admission to:
      (i) the Degree of Bachelor of Commerce with two Stage III papers in Commercial Law, or
      (ii) the Degree of Bachelor of Laws, or
      (iii) the Degree of Bachelor of Laws (Honours), or
      (iv) such other degree as the Senate may approve in a particular case.

2. A candidate for this Degree shall follow a course of study of not less than one year.

3. No candidate shall be credited for this Degree with any paper the same as or substantially similar to a paper already passed for any other Degree or Diploma.

4. Admission to the course of study shall be at the discretion of the Senate.

5. A candidate shall complete the requirements for this Degree within 24 months of first enrolment for this Degree. However, with the approval of the Senate, a candidate with other demanding responsibilities may fulfil the requirements for this Degree within 36 months of first enrolment for this Degree, with eligibility for Honours, the individual course of study being determined at or before first enrolment by the Senate on the recommendation of the Head of Department.

6. The course of study shall consist of six papers selected from Commercial Law 02.400 to 02.419, 02.450 to 02.452 as prescribed for the Degree of Master of Commerce, or five of those papers and a research essay (02.613) which shall count as one paper, or four of those papers and a thesis (02.615) which shall count as two papers.

7. A candidate for the Degree may, on the recommendation of the Dean of the Faculty concerned and with the approval of the Senate, take one 400 or 500 level paper prescribed for any of the following Degrees in substitution for one of the papers required by Regulation 6 of these Regulations:
   (i) Degree of Master of Commerce
   (ii) Degree of Master of Laws
   (iii) Degree of Master of Jurisprudence
   (iv) Degree of Master of Taxation Studies

Thesis

8. Where a thesis is required, the following conditions shall apply:
   (a) The thesis shall embody the results obtained by the candidate in an investigation in some branch of the subject.
   (b) The thesis may be presented in the first year of enrolment for this Degree only with the approval of the Head of Department concerned.
   (c) A candidate shall submit the thesis to the Registrar by the date required by Regulation 5. However, in exceptional circumstances, a candidate may submit the thesis later than the date required by Regulation 5, provided that he or she shall not be eligible for Honours unless the Senate so determines.

Note: An abstract is to be submitted with each copy of the thesis. See Examination Regulation 15.

Honours

9. (a) There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions, First Division and Second Division.

   (b) Honours shall not be awarded if the papers in the first year in which a candidate sits an examination for the Degree are unsatisfactory or if the thesis at its final presentation is unsatisfactory, provided, however, that a candidate whose performance at a written examination has been seriously impaired by illness or exceptional circumstances beyond the candidate’s control (certified as under the Aegrotat Pass or Compassionate Pass provisions of the Examination Regulations) may elect, instead of applying for an aegrotat or compassionate pass, to present himself or herself at a subsequent written examination and shall be eligible for the award of Honours, subject to the provisions of Regulations 5 and 8(c) of these Regulations and to Regulations 9 and 10 of the Examination Regulations.

10. The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

Transitional

11. A candidate may with the consent of the Senate transfer to the Degree of Master of Commercial Law papers passed for the Degree of Master of Philosophy only in 1991.

Commencement

12. These Regulations shall come into force on 1 January 1992.

DEGREE OF MASTER OF TAXATION STUDIES MTaxS

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations a candidate for the Degree of Master of Taxation Studies shall, before enrolment for this Degree:
(a) have been admitted or qualified for admission to:
(i) the Degree of Bachelor of Commerce, or
(ii) the Degree of Bachelor of Laws, or
(iii) such other degree as the Senate may approve in a particular case, and
(b) be otherwise entitled to proceed to the Degree of:
(i) Master of Commerce, or
(ii) Master of Laws, or
(iii) Master of Jurisprudence, and
(c) have obtained a pass in:
(i) 02.301 Taxation and Estate Planning, or
(ii) 25.221 Income Tax.

2. A candidate for this Degree shall follow a course of study for not less than one year.
3. No candidate may present for this Degree a paper which is the same or substantially equivalent to any paper the candidate has passed for another degree or diploma.
4. Admission to the course of study for the Master of Taxation Studies shall be at the discretion of the Senate.
5. Subject to regulation 7 a candidate shall complete the requirements for this Degree within twenty-four months of the date of first enrolment for this Degree.

Course Content
6. The course of study of each candidate shall consist of:
(a) Four of the following papers:
   - 01.480 The Impact of Taxation on Financial Reporting and Control
   - 01.481 Special Topic in Taxation Accounting
   - 02.480 The Tax Base - Definition and Manipulation
   - 02.481 The Taxation of Corporations and Investors
   - 02.482 Indirect and Asset Based Taxation
   - 02.483 Current Developments in Taxation
   - 02.484 International Taxation
   - 02.485 Discretions, Disputes and Procedures
   - 02.486 Avoidance Provisions
   - 02.487 Special Topic in Taxation Law
   - 02.488 Special Topic in Taxation Law
   - 13.480 Contemporary Issues in Fiscal Policy

   and one of the following:
   (b) 01.614 Dissertation in Taxation Accounting (value two papers)
   02.614 Dissertation in Taxation Law (value two papers)

7. A candidate shall present the dissertation not later than twenty-four months after the date of first enrolment for this Degree, provided that this period may be extended by the Head of Department concerned for not more than one year and in exceptional circumstances for longer by the Senate.
8. The Senate may in exceptional cases approve a personal course of study which does not conform to these Regulations.

Honours
9. This Degree may be awarded with or without Honours.
10. There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions, First Division and Second Division.

Transitional
11. A candidate may with the consent of the Senate be permitted to transfer to this Degree from any other masters degree for which the candidate was enrolled at the time these Regulations came into force and be credited with such papers as the Senate shall deem appropriate.

Commencement
12. These Regulations shall come into force on 1 January, 1989.

DEGREE COURSE PRESCRIPTIONS

DEPARTMENT OF ACCOUNTING AND FINANCE

Accounting and Finance I

01.100 Financial Accounting
An introduction to basic financial accounting method including an introduction to external reporting.

*01.101 Management Accounting
Introduction to management accounting and the design and operation of business information systems.

T01.100 Financial Accounting
As prescribed for 01.100. This paper is taught at the Tamaki Campus.

01.101 Management Accounting
As prescribed for 01.101. This paper is taught at the Tamaki Campus.

01.104 Financial and Management Accounting
Introduction to financial statements, financial statement analysis and management accounting.

T01.104 Financial and Management Accounting
As prescribed for 01.104. This paper is taught at the Tamaki Campus.

Accounting and Finance II

01.200 Financial Accounting
An examination of external financial reporting and the presentation of financial statements; the conceptual and regulatory considerations and financial statement impact of accounting policy choice; the theory and practice of accounting for business combinations.

T01.200 Financial Accounting
As prescribed for 01.200. This paper is taught at the Tamaki Campus.

*01.201 Accounting for Special Entities
Costing, planning, decision making and control, and related contemporary issues.

01.202 Cost and Management Accounting
Budgetary and standard cost control systems, internal control and divisional performance appraisal.

T01.202 Cost and Management Accounting
As prescribed for 01.202. This paper is taught at the Tamaki Campus.

01.203 Accounting Information Systems
Accounting systems for information and control, computer based accounting systems, computer tools for accountants.

T01.203 Accounting Information Systems
As prescribed for 01.203. This paper is taught at the Tamaki Campus.
01.204 Accounting and Financial Management Issues in Government
Central, regional and local government accounting and finance including the accounts of government trading corporations and other statutory bodies.

01.205 Financial Management
Introduction to finance within the firm. Concepts of value, risk and required rates of return. Capital budgeting, capital structure and dividend decisions.

01.206 Introduction to Investments
An introduction to a broad range of investments and how those investments are valued. The principles of portfolio construction and evaluation.

01.300 Financial Accounting
Contemporary issues in financial accounting theory and practice.

01.301 Auditing
The concepts and techniques of the audit process; contemporary issues in auditing.

01.302 Strategic Management Accounting
The relationship between cost and management accounting and manufacturing and marketing strategy.

01.303 Advanced Financial Management
Advanced study of contemporary issues in financial management. Topics covered include capital structure, policy, complexities in capital budgeting and international issues. Case study applications.

01.304 Modern Investment Theory and Management
Portfolio theory and equilibrium asset pricing. Portfolio management including issues relating to fixed interest and international equity investment.

01.305 Risk and Insurance
Risk as a theoretical concept, and problems and opportunities facing firms and individuals. Topics covered include the use of financial securities to manage risk, options and an introduction to international finance.

01.306 Public Sector Management Accounting and Control
The application of Management Accounting and Control concepts in public sector organisations particularly in the New Zealand context. Topics covered include: public sector reform in New Zealand, the input/output/outcomes and framework, planning and budgeting, costing and pricing of outputs, cost management, performance evaluation and control, performance auditing, public sector reporting requirements.

01.307 Special Topic in Accounting
An examination of information and measurement issues which have a role to play in contracting and the governance of organisations. The paper will concentrate on readings in property rights, agency and transaction costs economics. Emphasis will be placed on issues that impact on accounting and financing processes. The material covered in this paper has been selected to provide a theoretical framework that will be used in other 400 level papers in financial accounting (including auditing), management accounting, and finance.

01.450 Research Methods in Accounting and Finance
The theory and application of modern research methods in accounting and finance. The content will include the philosophy, process and design of scientific research. Prior knowledge of basic statistical techniques is assumed.

01.451 Research Methods in Accounting and Finance II
A companion paper to 01.450 Research Methods in Accounting and Finance. Prior knowledge of basic statistical techniques is assumed.

01.452 Information, Contracting and Governance
An examination of information and measurement issues which have a role to play in contracting and the governance of organisations. The paper will concentrate on readings in property rights, agency and transaction costs economics. Emphasis will be placed on issues that impact on accounting and financing processes. The material covered in this paper has been selected to provide a theoretical framework that will be used in other 400 level papers in financial accounting (including auditing), management accounting, and finance.

01.460 Contemporary Financial Accounting Research
A study of the contracting-cost theories of accounting policy choice and the related empirical literature. It focuses on agency and efficient contracting explanations for accounting choice. In particular, the paper explores the role of accounting in contracts between parties to the firm (e.g. managers, shareholders, debtholders, customers, etc.). The political process is also analysed to determine the impact on accounting policy choice. Incentives for managers to manipulate earnings under various economic settings are examined and the implications of this behaviour for accounting policy makers are analysed. This paper builds on knowledge acquired in 01.200 and 01.452.

01.465 Accounting Information and Capital Markets
A study of issues in evaluating accounting information. Of interest is the use of accounting information by investors and analysts. The paper examines the empirical relationship between accounting earnings and share prices and the relationship between financial statement analysis and market efficiency. This paper builds on the knowledge acquired in 01.200 and assumes a knowledge of basic finance.

01.466 International Accounting
An examination of the international dimensions of accounting in an environment that is increasingly global. It examines the international influences on current New Zealand practice and the diversity in accounting practices among New Zealand's economic partners. International harmonisation issues are studied as well as issues generated by foreign trade (e.g. accounting for foreign currency transactions) and transnational business organisations (e.g. translation and consolidation of foreign subsidiaries' financial statements). This paper builds on knowledge acquired in 01.200.

01.467 Accounting History
A study of the theoretical and empirical literature related to the history of accounting and the development of accounting theory. The paper will concentrate on readings in property rights, agency and transaction costs economics. Emphasis will be placed on issues that impact on accounting and financing processes. The material covered in this paper has been selected to provide a theoretical framework that will be used in other 400 level papers in financial accounting (including auditing), management accounting, and finance.

01.468 Contemporary Auditing Research
A study of the theoretical and empirical literature related to the demand and supply of auditing. Contracting theory provides a basis for examining the determinants of external auditing, internal auditing and audit committees. The supply of external audit services is studied by exploring measures of audit quality (e.g. extent of audit litigation and size of audit firms etc.), audit switches, and their relationship (e.g. do firms change to the Big Six audit firms when they make initial public offerings?). Other topics examined are the determinants of audit fees and factors related to audit delay, audit qualifications and audit firms' choice of audit technologies. This course builds on knowledge acquired in 01.200 and 01.452.

01.469 Public Sector Accounting
Examinations developments in financial accounting and reporting in public sector organisations. Particular attention is given to public sector organisations in New Zealand. This paper builds on knowledge gained in 01.200.

01.470 Contemporary Research in Management Control
This paper examines the theoretical and empirical literature relating to management planning and control in private and public sector organisations. It will explore the relationship between...
strategy, organisation design, divisional performance measurement and evaluation, and transfer pricing. Attention will also be given to corporate planning, budgeting and performance contracting. This paper builds on knowledge gained in 01.202 and 01.452.

01.475 Issues in Cost and Management Accounting Systems Design
An examination of new and innovative cost and management accounting practices stemming from changes in manufacturing and competitive environments. The material covered will include recent research on the design of cost and management accounting systems in manufacturing, service and public sector organisations. Attention will be given to cost and management accounting issues faced by New Zealand organisations. This paper builds on knowledge gained in 01.202.

*01.476 Management Accounting and Control in Public Sector Organizations
A study of developments in management accounting and control in public sector and not-for-profit organisations. Particular attention is given to public sector organisations in New Zealand. This paper builds on knowledge gained in 01.202 and 01.452.

01.482 Modern Corporate Finance
Examines fundamental principles of corporate financial theory and discuss current issues. The material will include seminal theoretical contributions and empirical evidence regarding these theories. Particular attention will be given to those areas relevant to New Zealand such as the implications of dividend imputation. The paper will suit students who have a serious interest in important issues in the field. A basic knowledge of calculus is expected. This paper builds on knowledge gained in 01.205 and 01.452.

01.483 Portfolio Theory and Investment Analysis
A study of contemporary issues in investments. The material will largely focus upon empirical evidence. Topics will include market efficiency, risk-return relationships, anomalies and alternative investment strategies. This paper will suit students with a solid grounding in mathematics and statistics. New Zealand evidence will be explored on each issue. This paper builds on knowledge acquired in 01.206.

*01.485 Management of Financial Institutions
An investigation of issues of financial management as applied to financial institutions. The orientation is to policy issues and principles more than operating techniques. Topics will include asset and liability management, interest rate and risk management, and regulation, with attention to the New Zealand situation. The early sessions will survey broad issues while subsequent sessions will investigate specific theories and empirical evidence as to their efficacy. This paper builds on knowledge gained in 01.205 and 01.452.

01.486 Risk Management
The fundamental theories of risk management will be discussed, as well as the empirical evidence as to their validity. A wide range of risk management applications will be considered. Special emphasis will be placed upon those tools and techniques that will apply in New Zealand. This paper builds upon material covered in 01.308 Risk and Insurance.

01.487 International Finance
An examination of theoretical and empirical perspectives on important issues in international finance. Topics will include financial management of a multinational enterprise, macroeconomic effects, currency risk management and international capital budgeting. A portion of the paper will also be devoted to international portfolio investments and diversification. This course builds on knowledge gained in 01.205, 01.206 and 01.452.

*01.490 Special Topic
*01.491 Special Topic
*01.492 Special Topic
*01.495 Directed Readings in the Literature Topic
To be arranged with individual instructors and the Head of Department.

01.496 Directed Readings in the Literature Topic
To be arranged with individual instructors and the Head of Department.

01.601 Thesis
A thesis counts for the equivalent of three Masters papers. Its purpose is to advance the body of knowledge. The thesis should include a thorough review of the relevant literature and a clear statement of where the findings of the thesis fit within the research tradition of the field of study. A good Master's thesis should produce research papers which are capable of being published in refereed journals.

01.623 Research Essay
For BCom(Hons). A research essay for the Honours Degree will normally consist of a critical review of the literature. If an empirical research project is undertaken it will usually be confined to replication of a study reported in the literature. The choice of topic is the responsibility of each student in consultation with a supervising faculty member and can be selected from any of the general areas covered by the Degree. The essay should be no more than 10,000 words or approximately 35 pages long. The essay should, among other things, be an exercise in concise writing. It must be completed prior to 30 November.

Notes
(i) There is no guarantee that all these papers will be available to students during the current Calendar year. Students intending to read for the BCom(Hons) or MCom degree should consult the staff towards the end of the previous year about preliminary vacation reading.
(ii) With the exception of 01.611 and 01.623 all papers in this schedule are half papers.

MASTER OF BUSINESS ADMINISTRATION

Executive Course
270.451 Microeconomics
Provides a set of principles that can be used in the analysis of commercial enterprises. Topics include: theory of the firm, alternative market structures and the role of economics in organisational decision making.

270.452 Macroeconomics
Emphasises macroeconomic problems and policies that may affect managerial decisions. Topics include: monetary and fiscal policy, inflation, interest rates and currency exchange rates.

270.455 Legal Studies
Examines the legal environment of business, contract law, transfer of property and risks, product liability, legal aspects of company directorships and partnerships, company floats, takeovers, and the Fair Trading Act.

270.460 Accounting
Explores the structure of accounting information and the use of data for planning, decision making and control. Topics include: deriving financial statements from transactions, analysing financial statements, budgeting, profit planning and standard costing.

270.463 Financial Management
Explores the fundamental nature of the finance function and the conceptual and theoretical applications for successful financial management. Topics include: capital budgeting, capital asset pricing and dividend policies.

270.470 Quantitative Methods
Introduces descriptive statistics, data analysis and probability. Stresses the application of statistical methods and techniques in business and management.

270.471 Operations Management
Extends and applies management science techniques to problems of production and operations management. Topics include: network flows, production scheduling and control, inventory models, just-in-time and total quality management.

270.472 Management of Information Systems
Focuses on the managerial challenges presented by information technology. Topics include: managing and controlling information systems, evaluating new technologies, and developing systems to improve productivity and confer competitive advantage.
270.475 Marketing Management
Focuses on the role of marketing in today’s organisations. Topics include: strategic-marketing planning, concepts and tools, the marketing environment, characteristics of consumer and individual markets, product life-cycle strategies, new product planning and market research.

270.485 Organisation and Management
Provides an overview of key organisational processes that affect, and are affected by, people. Topics include: motivation, productivity, leadership, job satisfaction, power, organisational structure and group dynamics.

270.488 Human Resource Management
Presents a study of basic concepts including current applications in the management of human resources from the overall viewpoint of the general manager. Topics include: assessment, staffing, performance evaluation and improvement, training and development, compensation, the Employment Contracts Act and other legal issues.

270.490 International Business
Examines the organisation and management of international and multinational enterprises. Topics include: multidiomestic, international and global strategies, international financial management, and relationships with governments.

270.492 New Zealand and International Policy Issues
Reviews New Zealand business in its international context, including current and emerging economic, social and political influences.

270.495 Strategic Management
Analyses complex case studies facing top management in the modern business enterprise. Topics include: the formulation and implementation of strategy, development of strategic options, strategic decision making and social responsibility.

270.496 Advanced Business Strategy
Focuses on cases in corporate strategy. Topics include: leading-edge techniques in strategy development, company directing, stakeholder analysis and business ethics.

270.499 Management Project
The Management Project is the integrative capstone of the Executive MBA learning process. Participants are required to apply their new knowledge along with their previous experience to a practical, organisational problem. Participants select the focus of the project and work closely with both an organisation, usually their employer, and an academic advisor. The project is expected to result in practical as well as conceptual benefits.

Management Course

270.401 Microeconomics
Provides a set of principles that can be used in the analysis of commercial enterprises. Topics include: theory of the firm, alternative market structures and the role of economics in organisational decision making.

270.402 Macroeconomics
Emphasises macroeconomic problems and policies that may affect managerial decisions. Topics include: monetary and fiscal policy, inflation, interest rates and currency exchange rates.

270.405 Legal Studies
Examines the legal environment of business, contract law, transfer of property and risks, product liability, legal aspects of company directorships and partnerships, company floats, Takeovers, and the Fair Trading Act.

270.410 Accounting
Explores the structure of accounting information and the use of data for planning, decision making and control. Topics include: deriving financial statements from transactions, analysing financial statements, budgeting, profit planning and standard costing.

270.413 Financial Management
Explores the fundamental nature of the finance function and the conceptual and theoretical applications for successful financial management. Topics include: capital budgeting, capital asset pricing and dividend policies.

270.420 Quantitative Methods
Introduces descriptive statistics, data analysis and probability. Stresses the application of statistical methods and techniques in business and management.

270.421 Operations Management
Extends and applies management science techniques to problems of production and operations management. Topics include: network flows, production scheduling and control, inventory models, just-in-time and total quality management.

270.422 Management of Information Systems
Focuses on the managerial challenges presented by information technology. Topics include: managing and controlling information systems, evaluating new technologies, and developing systems to improve productivity and confer competitive advantage.

270.425 Marketing Management
Focuses on the role of marketing in today’s organisations. Topics include: strategic-marketing planning, concepts and tools, the marketing environment, characteristics of consumer and individual markets, product life-cycle strategies, new product planning and market research.

Electives

270.403 Special Topic in Economics
270.406 Special Topic in Law
270.414 Investment Analysis
Studies the basic concepts and tools of investment analysis. Topics include the environment of investment decision-making in New Zealand, international considerations, financial statement analysis, efficiency of capital markets, the role of diversification, risk assessment, and the relationship between risk and expected return.

270.415 International Finance
Analyses issues arising from business activities in the international economic community. Topics include determinants of exchange rates and foreign investments, characteristics of international financial institutions and markets, and the international monetary systems.

270.418 Case Studies in Finance
Focuses on corporate financial management including cases on investment decision-making, raising long-term capital, and mergers and acquisitions. The precise content may vary with the changing economic climate and the particular interests of participants.

270.419 Special Topic in Finance
270.423 Management of Quality
Covers the management of quality to gain a strategic and competitive advantage. Topics include quality as a management philosophy, and quality management techniques such as quality function deployment, continuous improvement and statistical process control.
Faculty of Commerce

As prescribed for 02.10 I. This paper is taught at the Tamaki Campus.

02.101 Law, Science and Technology

The law relating to development, protection and exploitation of scientific and technological research. The paper is primarily designed to give those working in engineering, science and technology an understanding of the legal framework affecting their activities.

T02.101 Law, Science and Technology

As prescribed for 02.101. This paper is taught at the Tamaki Campus.

Commercial Law II

02.200 Contracts and Restitution

The law of contract and the principles of "unjust enrichment" in a business context.

T02.200 Contracts and Restitution

As prescribed for 02.200. This paper is taught at the Tamaki Campus.

02.201 Property, Insurance and Credit

Legal methods of raising and securing finance including hire purchase, moneylending, credit sales, personal property, securities, insurance, guarantees, negotiable instruments and securities over land.

T02.201 Property, Insurance and Credit

As prescribed for 02.201. This paper is taught at the Tamaki Campus.

02.202 Law of Business Organisations

The law relating to business organisations, with special emphasis on companies, partnerships, trading trusts, agency relationships and public sector trading corporations.

T02.202 Law of Business Organisations

As prescribed for 02.202. This paper is taught at the Tamaki Campus.

02.203 Labour Law

The law relating to employment and labour relations.

02.204 Legal Environment of Business

Introduction to trusts, equity, property, comparative view of business structures. A detailed examination of fiduciary obligations, business torts and legal remedies.

02.205 Law of Marketing

The law concerning the marketing of goods and services and the protection of technological innovation with special emphasis on fair trading, intellectual property, trade secrets and consumer protection.

02.207 Computer and Telecommunications Law

A detailed examination of the law governing the computer and telecommunications industries. Particular emphasis will be given to intellectual property in hardware, software and interfaces, data privacy, computer crime, regulation of telecommunications and technology licensing.

Note: This paper is not available to a student who failed 02.207 before 1994.

T02.207 Computer and Telecommunications Law

As prescribed for 02.207. This paper is taught at the Tamaki Campus.

Note: as for 02.207.

Commercial Law III

02.301 Taxation

The law and practice of income tax, Goods and Services Tax, and other taxes.

02.303 Corporate Rescue and Insolvency

Bankruptcy, schemes of Arrangement, Receivership and Liquidation.

02.305 Investment Law

The law relating to corporate finance and investment; takeovers and mergers, public floats, stock exchange listing, and alternative investment vehicles.

02.306 Competition Law

A study of the law relating to competition as it affects mergers, monopolies, restrictive trade practices together with an introduction to the economics of competition.

T02.306 Competition Law

As prescribed for 02.306. This paper is taught at the Tamaki Campus.

02.307 International Trade Law

A study of the law relating to the export of goods from New Zealand.

T02.307 International Trade Law

As prescribed for 02.307. This paper is taught at the Tamaki Campus.

02.308 Banking Law

A study of the law relating to domestic banking and the finance of international trade.
02.310 Legal Structures in International Business
Analyses of the legal mechanisms used by business entities whose activities transcend national boundaries. Examination and comparison of the legal framework of business in Western Europe, East Asia, North America, and the post-socialist economies of Central and Eastern Europe and investigation of the legal problems involved in doing business in those regions. Methods of entry into foreign markets, selecting the appropriate business structure, international joint ventures, licensing, distribution and franchising. Opportunities provided by such transnational business law regimes as the European Community and EEA.

02.311 Tax Planning and Special Tax Regimes
The law and practice of special tax regimes and issues of importance to tax advisors.

02.320 Special Topic in Commercial Law
02.321 Special Topic in Commercial Law

Commercial Law for BCom(Hons)
*02.420 Equitable Obligations and Business Ethics
An analysis of the interactions between ethical principles and the judge made concepts of fiduciary obligation, breach of confidence and unconscionability.

*02.421 Public Sector Management and the Law
Legal Structures and the rules which shape and confine decision making in public sector organisations.

*02.422 Advanced Competition Law
Selected legal problems concerning business acquisitions and restrictive trade practices.

*02.423 Selected Issues in Corporate Law
Studies relating to corporate governance and the operation and regulations of capital markets.

*02.424 Case Studies in Comparative Business Law
An examination of business law in non common law countries with particular emphasis on the EEC and the Pacific Rim.

*02.425 Analysing the Tax Base
Concepts of income and capital as they affect taxation legislative response to tax minimisation schemes.

*02.426 International Trade Regulation
Public laws issues in international trade with particular focus on the tension between free trade and protectionism.

*02.427 Protecting Innovation and Competitive Advantage
An analysis of legal mechanisms used to protect technological innovation and competitive strategies.

*02.428 International Sales Contracts
Current legal issues arising from the international sale of goods and associated contracts of carriage, insurance and finance.

*02.429 Legal Problems in Offshore Borrowing
Selected legal problems arising out of the transnational activities of merchant banks and investment houses.

*02.430 Receivership and Liquidation
Aspects of corporate insolvency including the conduct of receiverships, statutory management and reconstructions.

*02.431 Legal Protection for Sensitive Information
Current legal issues concerning privacy, confidentiality and insider dealing.

*02.440 Legal Research
A methodology for investing legal issues in a business context.

Commercial Law for MComLaw, MCom and Honours
02.400 Immigration and International Travel Law
A study of the law relating to international air travel and tourism and the movement of persons between jurisdictions.

02.401 Export and Shipping Law
A critical examination of the law relating to overseas trade as it affects New Zealand exporters.

02.402 Professional Responsibility and the Courts
The legal liability of professionals together with ways of minimising and insuring against that liability.

02.403 Commercial Law in the European Community
An analysis of the legal mechanisms used by business entities whose activities transcend Europe’s national boundaries.

02.404 Information Technology and the Law
The legal issues raised by the use of computers and other forms of information and communications technology.

02.405 Competition Law and Policy
An examination of the law’s attempts to ensure that markets do not self-destruct through the aggregation of economic power.

02.406 Transnational Litigation and Arbitration
Mechanisms for resolving disputes arising from international commercial transactions.

02.407 Advanced Banking Law
Contemporary legal issues in banking law.

02.408 Current Issues in Offshore Borrowing and Investment
Selected in-depth studies of contemporary issues in international finance law.

02.409 Marine Aviation Insurance
The role of marine and aviation insurance in the export trade.

02.410 Business Law in East Asia and Japan
An examination of the law of Vietnam, South Korea, Japan, Taiwan and the Peoples Republic of China with particular reference to the legal problems likely to be encountered in doing business in those countries.

02.411 Corporate Distress and Rescue
This paper analyses the law relating to corporate collapse and the legal mechanisms for averting it.

02.412 Capital Markets and Securities Regulation
The legal rules which facilitate and regulate the operation of capital markets.

02.413 Corporate Governance
The legal principles which control and structure the governance of corporations and the resulting policy implications for the design of company law.

02.415 Special Topic
1995: Copyright and Design

02.416 Special Topic
1995: Trademark and Unfair Competition

02.417 Special Topic in Commercial Law
1995: Media and Sports Law

02.418 Special Topic in Commercial Law
1995: Theories of Obligation

02.419 Special Topic in Commercial Law
1995: Life Insurance and Superannuation

02.450 The Regulation of International Trade
A study of the public international law framework regulating international trade.

Note: Students who have passed 02.401 before 1994 are restricted from this paper.

02.451 Export Finance
This paper deals with legal issues arising from the financing of overseas trade and construction contracts.

02.452 Trade and Investment Law in Central and Eastern Europe
An investigation of the problems associated with creating and reviving legal structures for trade and investment in post socialist economies.

*02.611 Thesis
For MCom.

02.603 Research Essay
For MCom.

02.613 Research Essay
For MComLaw.

*02.615 Thesis
For MComLaw.

*02.623 Research Essay
For BCom(Hons).

Note: There is no guarantee that all these papers will be available to students during the current Calendar year. Students intending to read for BCom(Hons), MComLaw and MCom should consult the staff towards the end of the previous year about preliminary vacation reading.

DEPARTMENT OF COMPUTER SCIENCE
For Prescriptions see under BSc.
DEPARTMENT OF ECONOMICS

Economics I
Students intending to advance beyond Stage I Economics require an adequate mathematical background and are advised to include 26.108 (or equivalent) in their first year course.

Note: Knowledge of Mathematics up to 6th form level will be assumed in Stage I Economics.

13.100 Microeconomics
Introduction to the economic behaviour of individuals and firms. Output and price determination in the various types of market. Market structures, income distribution and public policies. Theories and selected applications will be presented.

T13.100 Microeconomics
As prescribed for 13.100. This paper is taught at the Tamaki Campus.

13.101 Macroeconomics
The economic activity of the nation at large and its interrelationships with the rest of the world. Included are the measurement of economic activity, determination of aggregate income, money, banking and prices, government macroeconomic policy and international trade.

T13.101 Macroeconomics
As prescribed for 13.101. This paper is taught at the Tamaki Campus.

Economics II

13.200 Microeconomics
Analysis of the economic behaviour of individual consumers, firms and industries, including concepts of market equilibrium, expected utility and uncertainty, and the economics of welfare.

T13.200 Microeconomics
As prescribed for 13.200. This paper is taught at the Tamaki Campus.

13.201 Macroeconomics
A more advanced study of the determination and interaction of basic macroeconomic variables including output, employment, interest rates and price level.

T13.201 Macroeconomics
As prescribed for 13.201. This paper is taught at the Tamaki Campus.

13.202 Managerial Economics
A survey of the use of techniques of microeconomics and operations analysis to solve problems in business and resource management.

*13.204 New Zealand Public Economics
13.205 Introduction to Econometrics
An introduction to model building and research methods in economics. Emphasis on use and interpretation of single equation regression techniques in testing both micro and macroeconomic hypotheses.

T13.205 Introduction to Econometrics
As prescribed for 13.205. This paper is taught at the Tamaki Campus.

13.210 Industrialisation and Economic Development
The Industrial Revolution in Europe and its transmission across the Atlantic and to the Pacific Rim.

13.211 The International Economy Since 1870
The development of the institutional framework of trade and international monetary arrangements of the principal trading nations.

*13.213 Economic History of USA 1776-1940
*13.214 The New Zealand Economy

Economics III
Students intending to take any Economics III papers are advised to consult in the Department before enrolment for advice on available papers, prerequisites and reading guides.

13.300 Advanced Microeconomic Analysis
Advanced treatment of consumer and producer theory and aspects of general equilibrium, uncertainty, monopoly, games, oligopoly, as well as implications of certain informational imperfections.

*T13.300 Advanced Microeconomic Analysis
As prescribed for 13.300. This paper is taught at the Tamaki Campus.

13.301 Macroeconomic Theory and Policy
Output, employment and price level theory, experience and policy. The emphasis is on disequilibrium macroeconomics and dynamic macroeconomic modelling.

*T13.301 Macroeconomic Theory and Policy
As prescribed for 13.301. This paper is taught at the Tamaki Campus.

13.302 Econometrics
Econometric modelling including estimation, testing and uses for policy and prediction.

*T13.302 Econometrics
As prescribed for 13.302. This paper is taught at the Tamaki Campus.

13.304 International Trade
Theory and policy in the international economy.

*T13.304 International Trade
As prescribed for 13.304. This paper is taught at the Tamaki Campus.

13.305 Financial Economics
Economic aspects of financial markets and intermediaries, insurance credit rationing and firm’s financing.

13.306 Classical, Marxist & Modern Economic Ideas
An introduction to the history of economic ideas and to comparative economics.

13.307 Public Economics
Efficiency criteria for the public sector. Welfare economics, social policy and public sector spending decisions, taxation.

*13.308 Economics of Labour Markets and Industrial Relations
An intermediate survey designed to provide students with a better understanding of labour markets, and a framework from which to judge the appropriateness of employment and wages policies. We also examine the impact of trade unions and industrial relations policies.

13.309 International Finance
Open economy macroeconomics, exchange rate theory and its macroeconomic foundations including arbitrage, hedging and speculation. Problems of the international monetary system: fixed and floating exchange rate regimes; the European Monetary System; debt and developing countries; reform of the system.

*T13.309 International Finance
As prescribed for 13.309. This paper is taught at the Tamaki Campus.

*T13.310 Economic History of Australia and New Zealand
13.311 Special Topic
To be prescribed by the Head of Department.

13.312 Applied Econometrics
This paper will study a set of applied econometrics topics. The lectures will use economic and econometric theory and will emphasise the integration of these in applied work. The course will include regular computer laboratory classes and will use New Zealand data where possible.

13.313 Management and Enterprise in the British Economy
1750-1939

13.314 Law and Economics
Application of economics to the institutions of law. Particular emphasis is given to the efficiency of law and the implications of legal rules and structures for economic behaviour. The paper covers property rights, contracting, torts, and contemporary topics in New Zealand law.

13.315 International Economic Policy Studies
Application of economic analysis to key international economic policy issues with particular emphasis on those of special significance to New Zealand.

13.316 East Asian Growth and Trade
Economic factors underlying the growth and trade performance of the major East Asian economies: Japan, Greater China (China, Hong Kong, Taiwan), Korea and the ASEAN countries.
13.320 Industrial Organisation
The study of firms in their markets, focusing on imperfect competition. Oligopoly, monopolistic competition, analysis of strategic behaviour, government policies aimed at regulating oligopolistic and monopolistic behaviour, empirical applications.

*T13.325 Special Topic
This paper is taught at the Tamaki Campus.

*T13.330 Special Topic
This paper is taught at the Tamaki Campus.

*T13.335 Special Topic
This paper is taught at the Tamaki Campus.

Economics for BCom(Hons), MA, MCom, MPHil and Honours
Note: Except by permission of the Head of Department no candidate shall take Economics for BCom(Hons), MA, MCom, etc., unless he or she has passed either 13.300 or 13.301, and 13.205.

Economics for those taking paper 13.402 should consult the lecturer in charge or the Head of Department regarding Mathematical papers to be taken in the Bachelor’s Degree course.

Students intending to take any postgraduate economics papers should consult in the Department before the end of the previous year for advice on availability of papers, prerequisites and reading guides.

13.401 Macroeconomics
Topics include stochastic dynamic programming and its applications to equilibrium theories; real business cycles and endogenous growth; consumptions and investment in infinite horizon and overlapping generation models; inflation and unemployment with contracts and insurance asset prices, optimal taxation and Ricardian equivalence.

13.402 Econometrics
The general linear model of extensions, plus selected topics from time series, microeconometrics.

13.404 Concepts and Strategies for Economic Development
A critical examination of some of the main theories and policy directions in pursuit of economic development in (mainly) Third World countries since World War II, including questions of the measurement of development, models of growth, trade and export promotion, environmental sustainability, poverty and underdevelopment.

13.405 Public Economics
The lecture section of the course concentrates on welfare, tax and regulatory economics.

13.406 The History of Economic Thought
A survey course covering a selection of topics in the history of economics ideas including classical economics, post-classical microeconomics and developments in twentieth century macroeconomics.

13.410 Growth of the Corporate Economy
13.411 Economics of Population Change
13.412 Economic Forecasting
Aims to provide experience in quantitative research methods in economics, with an emphasis on those relating to forecasting.

13.413 Economics of the Environment
Provides a set of economic concepts and techniques for analysis of natural resource use and environmental policy questions, with emphasis on economic efficiency, equity, and effective institutional arrangements in solution of management problems. Covers both New Zealand policy and global environmental issues.

13.414 Labour Economics and Human Resources
An advanced survey in labour economics, with emphasis on microeconomic model building, empirical research and policy applications.

13.415 Advanced International Trade
13.416 Public Policy
13.417 Economics of the Pacific Rim
13.419 Topics in Microeconomics
A selection of topics of research interest currently including game theory, uncertainty, general equilibrium, contracts.

13.420 Industrial Organisation
13.421 The European Economies
13.422 Advanced International Finance
13.423 Monetary Economics
Examines a number of advanced topics in monetary economics.

Among the topics covered will be the foundations of monetary economics, microfoundations of money, theories of money and finance, and the causal relations of money to other economic variables.

13.611 Thesis
13.603 Research Essay
For MCom.

13.623 Research Essay
For BCom(Hons).

Note: There is no guarantee that all these papers will be available to students during the current Calendar year.

MASTERS OF MANAGEMENT

277.400 Managing Strategic Change
Organisations are dynamic systems with flows of people, cash, capital and financial assets, customer orders, information, energy, new concepts, products and process developments in a relatively stable balance with organisation’s environment. Performance is measured using the ideas of efficiency, effectiveness, responsiveness, innovation and equity applied to the various stakeholders of importance to the organisation. Management seeks to (at least) preserve the status quo and (preferably) to change and improve elements of this dynamic system. A deep understanding of systems dynamics, typical responses to various change initiatives driven by strategic choices and the effects on the people in the organisation and their preferred culture are the output of this paper, as is the method of researching this within organisational settings.

277.410 Organisational Assessment
A written project based upon action research, supported by seminars, workshops and readings to provide an analytical framework for the economic, industrial, sociopolitical and legal environment of business. The written project will document an analysis of the student’s organisation, based on a multidisciplinary framework, and evidencing a high level of both theoretical knowledge and application in the organisational setting. The project will draw appropriate conclusions based on the research and analysis, identify issues confronting the organisation, and make appropriate recommendations for the organisation to act upon in pursuing the resolution of the issues identified. The assessment of the project will include an oral examination and external assessment. (Prerequisite: 277.400)

277.420 Organisational Change
A written project based upon action research, supported by seminars, workshops and readings to enable the student to pursue an organisational intervention or change process under academic supervision. The written project will document an analysis of organisational needs, grounded in the appropriate literature (s), and establish a planning and implementation framework, a cost-benefit and risk profile, and providing an analytical case study of the intervention or change. The final project must demonstrate a high level of both theoretical knowledge and application in the organisational setting. The project will draw appropriate conclusions based on a priori and post-intervention research and analysis, identify additional research or new directions for the organisation, and establish a maintenance and evaluation process for the intervention. The assessment of the project will include an oral examination. (Prerequisites: 277.400, 277.410).

277.430 Managing a Strategic Intervention
A written project based upon action research, supported by seminars, workshops and readings, that includes full management responsibility of a strategic corporate initiative. The written project will document an analysis of both the strategic initiative and the management process used to implement the strategy, based on a multidisciplinary framework, and evidencing a high level of both theoretical knowledge and application in the organisation setting. The project will track the initiative from initiation through implementation, with a detailed analysis of the development, planning and implementation process, and the management processes within the organisation that facilitate or hamper strategic management. A full evaluation outcome within
the time frame of the project is required. The assessment of the project will include an oral examination. (Prerequisites: 277.400, 277.410, 277.420).

**DEPARTMENT OF MANAGEMENT SCIENCE AND INFORMATION SYSTEMS**

**Management Science and Information Systems I**

**74.100 Business Computing**

The concepts, issues and importance of information systems are emphasized. Types of information systems, their components, their development, and operations are covered. It includes practical experience in a laboratory environment using personal computers.

**T74.110 Computers and Information Systems**

This paper concerns the concepts, issues and importance of computers and information systems for organisational and personal use. It includes an introduction to components of information systems and how they may be developed. The paper has a considerable laboratory component. The paper is intended both for students who wish to take a single paper in computing and for those who intend to advance in Information Systems. Computer Science or Information Technology (students wishing to advance should also take T07.115 Computers and Programming).

**Management Science and Information Systems II**

**528.293 Introduction to Operations Research**

This course emphasizes the relationship between business and industrial applications and their associated Operations Research models. Computer package software is used to solve practical problems. Topics include linear programming, transportation and assignment models, network algorithms, queues, Markov chains, inventory models and simulation.

**T528.293 Introduction to Operations Research**

As prescribed for 528.293. This paper is taught at the Tamaki Campus.

**74.200 Operations Management**

Quantitative methods to improve productivity and competitiveness of manufacturing and service organisations: forecasting and linear programming, planning and control of production and inventory, MRP and master scheduling, project management and statistical quality control.

**T74.200 Operations Management**

As prescribed for 74.200. This paper is taught at the Tamaki Campus.

**74.220 Systems Analysis**

Methods of developing user requirements specifications for computer-based systems.

**74.221 Programming Laboratory**

Practice and experimentation in the use of a major business programming language.

**74.222 Data Base Management Systems**

Determination of information needs and patterns of data flow within a data base environment. Several data models are examined.

**T74.223 Information Technology for Management**

This paper will assist in the development of information technology skills and knowledge applicable to business and organisations. Emphasis will be placed on planning evaluating information and communication systems essential to enterprises. A variety of workshops and laboratory exercises will be available to develop skills in the use of information technology tools. This paper is intended for students specialising in subjects outside Management Science and Information Systems.

**T74.224 Introduction to Data Communications**

An introduction to architecture, hardware and software of computer based data communication systems.

**T74.230 Information Systems Analysis**

Methods for developing information systems requirements specifications for computer-based systems.

**T74.231 Information Systems Programming**

Programming principles and techniques of information systems design with emphasis on software architectures and object oriented design.

**T74.232 Database Management Systems**

Principles and techniques of database design and management with an emphasis on relational systems.

**Management Science and Information Systems III**

**74.300 Advanced Operations Management**

Advanced inventory and distribution systems, Material Requirements Planning and Master Production Scheduling, modern manufacturing technologies (JIT, FMS, CIM), quality and productivity management, facilities layout and design of production lines.

**T74.300 Advanced Operations Management**

As prescribed for 74.300. This paper is taught at the Tamaki Campus.

**T74.301 Project in Operations Management**

Application of POM techniques to operations problems in a real setting.

**74.302 Information Integrated Operations**

Study of the role of information technology in operations management including both manufacturing and services industries. Customer order entry, Manufacturing Planning and Control, Automated Materials Handling, CAD, Computer Technology, Group Technology, robotics, Development of CIM strategy. An organisational perspective will be used throughout.

**T74.310 Total Quality Management**

Statistical quality control. Quality planning. Total quality management. Deming approach. Costs of quality. Integration of operations management and quality, in both manufacturing and services. Relationship between quality management and information systems. Material will be considered from a managerial perspective.

**528.391 Optimisation in Operations Research**

Linear programming; Simplex and revised Simplex methods; duality and the dual Simplex method; post optimal analysis; decomposition and column generation, integer programming; cutting planes and branch and bound; dynamic programming; network analysis, transportation and flow problems.

**528.395 Mathematical Modelling in Operations Research**

Introduction to deterministic and stochastic models in such areas as queuing theory, inventory control, reliability, decision processes, scheduling, digital computer simulation, Monte Carlo methods.

**74.320 Systems Design**

Concepts and practices of computer software architects with applications to the design of business systems.

**74.321 Systems Project**

Systems analysis, design, and development techniques are combined to solve a specific information systems problem. A team of students will usually work on a problem within a business or organisation outside the University.

**74.323 Management of Information Systems**

Planning, designing and implementing of computerised information systems from a managerial point of view, in both PC and mainframe computer environments, with special reference to New Zealand.

**74.324 Data Communications**

An introduction to data communication technology: equipment, software, systems, services. The design methods and management of data communication networks. Managerial aspects of data communication problems in New Zealand conditions.

**T74.325 Expert Systems**


**T74.326 Special Topic: Social and Organisational Issues in Computing**

The social and organisational issues associated with computer and information technology will be covered with special reference to
New Zealand. Topics will include: impact of computer technology on organisations and society, information technology and organisational change, computerisation and the transformation of work, social relationship in electronic communities, social control and privacy, ethical issues and professional responsibilities.

74.327 Advanced Database Concepts and Decision Support Systems
An introduction to the design, development and implementation of systems for decision support and collaborative work and their underlying tools and technologies. Database topics such as data dictionaries, concurrency control, recovery, security, semantic data modelling, hypertext, distributed and object-oriented databases will be covered.

74.328 Special Topic
Advanced Data Communications
Advanced topics in data communications with emphasis on network management and networking standards.

T74.330 Information Systems Design
Principles and techniques of Information Systems design with emphasis on software architectures and object-oriented design.

74.331 Special Topic
74.332 Special Topic
T74.334 Database Systems
Techniques and design algorithms utilised for database systems. Technologies for implementing new database models are examined. Techniques for storage organisation and database administration are discussed.

74.333 Special Topic
T74.333 Management of Information Systems
The strategic, managerial and operational considerations for the planning, development and implementation of information systems.

74.334 Special Topic
74.335 Special Topic
74.392 Optimisation in Management Science
Matrix-vector algebra: linear programming; simplex and revised simplex methods; duality; post optimal analysis; network optimisation methods; machine and job shop scheduling problems and solution methods.

*74.392 Optimisation in Management Science
As prescribed for 74.392

74.396 Stochastic Method in Management Science
Simulation and Monte Carlo methods; an introduction to queues; inventory management; reliability and decision analysis.

T74.396 Stochastic Method in Management Science
As prescribed for 74.396

Management Science and Information Systems for BCom (Hons), MCom and Honours

Note: Excepting 74.611, 74.602 and 74.603, all other papers in this schedule are half papers.

74.423 Special Topic
74.424 Special Topic
74.425 Special Topic
74.426 Special Topic
74.427 Special Topic
74.428 Special Topic
74.429 Special Topic
74.430 Operations Management I
Focus will be on key issues in manufacturing organisations and the latest trends. Topics will include Just In Time, Computer Integrated Manufacturing, Manufacturing Strategy and Kaizen. Students will be expected to become familiar with the latest literature in these areas and to develop and deliver seminars to the class.

74.431 Operations Management II
Key issues in service organisations and the latest trends will be explored. Topics will include service quality, use of technology by service providers, service strategy, and Kaizen. Students will be expected to become familiar with the latest literature and develop and deliver seminars to the class.

†74.432 Quality Management I
An in-depth examination of key issues in Quality Management, including 4 stages of quality evolution, continuous improvement concepts and methodologies, service quality models benchmarking, cost of quality, learning organisation Quality Management implementation and ISO 9000 standards.

†74.433 Quality Management II
An examination of advanced topics in quality management with emphasis on the integrative nature of Quality Management and its relations with other business disciplines. Topics will include proactive and strategic quality management, quality function deployment, new tools, concept engineering and innovation.

74.434 Special Topic
74.435 Special Topic
74.436 Special Topic
74.437 Special Topic
74.438 Special Topic
74.440 Deterministic Methods in Operations Research
The application of deterministic optimisation methods in Operations Research including topics such as complexity, data envelopment analysis, networks, set partitioning and dynamic programming.

74.442 Stochastic Methods in Operations Research
The application of non-deterministic methods in Operations Research including topics such as Markov Processes, stochastic optimisation, time series, forecasting, decision analysis and reliability.

74.443 Studies in Operations Research A
Case studies and projects based on literature reviews.

74.444 Studies in Operations Research B
An examination of software and computer packages with applications in Operations Research.

74.446 Advanced Linear Optimisation A
A study of advanced topics in linear optimisation including degeneracy resolution, LU basis handling techniques, elastic LP, the Primal/Dual method, decomposition and interior point methods.

74.447 Non Linear Optimisation B
A study of theoretical necessary and sufficient conditions and computation methods for unconstrained and constrained nonlinear optimisation.

74.450 Foundations of Information Systems Research
A substantive and methodological introduction to contemporary Information Systems Research. The primary focus will be on the behavioural, strategic, organisational and social issues relating to the methods and implementation of information technology applications. Research methods that are commonly applied, and those that have been identified as potentially promising in the discipline will be surveyed.

74.451 Contemporary Information Systems Research
Current research in the Information Systems discipline. Topics will include: human and organisational information processing, decision making process, system implementation, organisational and social impacts and information systems assessment. Students will carry out a research project and deliver a seminar as part of the paper requirements.

74.452 Decision Support Systems
A comprehensive review of the research literature in the emerging area of Decision Support Systems. This will enable students to study and critically evaluate divergent perspectives on such systems and technologies, to study their various components and how they relate to each other, and to learn to work some of the hardware and software tools for prototyping such systems. Topics will include: decision analysis, database and model management and human-computer interaction and interface design. Students will design a system as part of the paper requirements.

74.453 Group Decision Support Systems
Key technologies and design issues pertaining to group decision making will be covered. Current thinking in areas such as Executive Information Systems, Electronic Meeting Systems and Computer-Supported Cooperative Work will be covered. Topic coverage includes coordination theory, and computer support for
work groups and teams. Students will use the Decision Support Centre to examine the issues related to computer-supported collaborative work and the use of electronic meeting systems.

74.454 Strategic Information Systems I
The information system is viewed as the single entity which corresponds to the firm or the strategic business unit acting as a whole. In this context, information systems strategies and capabilities and business strategies and capabilities offer the prospects of positively influencing each other and achieving significant organisational transformations in response to competitive pressures and opportunities. In this seminar style paper, enterprise level information systems strategies are defined in support of corporate level business objectives in a focused business domain.

74.455 Strategic Information Systems II
Several examples of strategic information systems that have already been successfully utilised will be examined. Past examples of business areas of study for this paper have been cooperative markets and growth firms. The state of knowledge of relevant, important technological issues in an organisational sphere are established by lectures, guest lecturers, and literature searches. Students will summarise and blend the knowledge sufficiently to propose a joint research question and a division of research efforts for each person to pursue and present individually to the class for discussion. Each student then synthesises the work of all.

74.456 Information Modelling
Various approaches to modelling information systems are dealt with. Complex problems are viewed as abstractions made up of diverse objects such as data, models and interfaces. The representation of the semantics of complex problems and the consequent manipulation of the represented objects form the focus of study. An understanding of the role of models and modelling in the design of information systems will be provided. Students will work on a project where an organisational problem will be modelled and implemented using advanced software platforms.

74.457 Advanced Database Topics
Topics relating to post relational data modelling and the data administration activities in contemporary database management environments will be covered. Topics will include: semantic modelling, object oriented modelling, database recovery, data dictionaries, database performance, tuning and maintenance.

74.458 Software Engineering I
This paper develops an understanding of the principles necessary to build up and manage reliable and efficient software. Various approaches of software design, testing and maintenance will provide an overview of the area. The development of software metrics and their applicability to software project estimation will be discussed.

74.459 Software Engineering II
This will explore the project estimation and the development of reliable software metrics thoroughly. Students will read current literature in these areas to appreciate the scope and complexity of the problem. The concept of computer aided software engineering and the specific role of integrated CASE tools will provide experience in the application of the concepts.

74.460 Research Methods I
An examination of the research methods used in Management Science and Information Systems.

74.461 Research Methods II
Experimental design in Management Science and Information Systems.

74.611 Thesis
For MCom.

74.604 Project
For MCom.

74.603 Research Essay
For MCom.

74.623 Research Essay
For BCom(Hons).

Note: There is no guarantee that all these papers will be available to students during the current Calendar year.

DEPARTMENT OF MANAGEMENT STUDIES AND LABOUR RELATIONS

Management Studies and Labour Relations I
72.101 Organisation and Management
Introduction to organisational behaviour; including motivation, interpersonal relations, communication, leadership, and group processes. Organisations as mechanistic, organic, and political systems. Organisations as cultures. Organisations as instruments of domination. Organisational analysis, principles of management, including strategy, organising and control. Principles of labour relations, including employment, industrial legislation, trade unions, industrial conflict.

T72.101 Organisation and Management
As prescribed for 72.101. This paper is taught at the Tamaki Campus.

Management Studies and Labour Relations II
72.204 Organisational Behaviour
A framework for understanding human behaviour in the context of organisations, focusing on the individual (personality, motivation, leadership); groups (communication, group dynamics, conflict management, power and politics) and the impact organisational structure, culture and change have on behaviour.

T72.204 Organisational Behaviour
As prescribed for 72.204. This paper is taught at the Tamaki Campus.

72.207 Labour and Employment Relations
Introduction to subject of Labour Relations with special reference to New Zealand. Institutional and legal frameworks. History and organisation of trade unions and employers’ associations. Role of government. Determination of pay and employment in the public and private sectors. Discussion of current issues such as flexibility, equity and employee influence.

T72.208 Labour and Management on the Pacific Rim
This paper is designed to locate contemporary labour relations development in New Zealand in the context of labour relations regimes elsewhere on the Pacific Rim. The development of bargaining systems in New Zealand is compared with systems to be found in Australian, Latin American import substitution economies and the NICs of East Asia. The contrast is drawn between the deregulation of traditionally regulated bargaining systems in New Zealand, Australia and Latin America and the emergence of more flexible bargaining systems in the NICs of East Asia. This paper is taught at the Tamaki Campus.

72.210 Communication Processes
Broad-based theories of communication with a focus on interpersonal and small group communication with a Commerce orientation. The syllabus includes communication technologies, communication variables, perceptual processes, critical thinking, models of listening, verbal, vocal and non-vocal communications and group communication.

T72.211 Business in Society
The paper will examine the relationship between business institutions and the social, cultural and political climate within which they operate, assessing the effects of business on society and of society on business. The material covered will focus primarily on New Zealand and adopt both an historical and contemporary perspective. The following topics will provide major segments of the paper: Business and Government; Maori Business and the Environment; Business Ethics; the Culture Industries.

T72.211 Business in Society
As prescribed for 72.211. This paper is taught at the Tamaki Campus.

Management Studies and Labour Relations III
72.303 Comparative Labour Relations
This paper will examine the influence of changes in the structure of the global economy and selected national economies on the development and practice of labour relations of particular interest will be the relationship between economic restructuring and issues
such as labour market reform, labour legislation and bargaining structures. Here the influence of social and economic change in the historical political economy of nations and the economic regions of Europe (including central and eastern Europe) NAFTA (US, Canada and Mexico) and Asia (Australia, Japan and the NICs) will be addressed alongside the rise of international capital and its influence on workplace change. Topics will include capitalism since 1945, international bodies: their functions and performance (ICFTU, WFTU, ILO, etc.), labour relations and economic performance, management strategies in the re-organisation of work, etc.

72.305 Interpersonal and Group Relations
A course of study on both the 'process' and 'content' of interpersonal and group relations including the following topics: interpersonal communication; interpersonal perception; group dynamics; problem management; business management by team; managing multi-group work; managing diversity, and; leadership practices vis-a-vis individuals and groups.

72.307 Personnel Policy and Practice
The historical bases of personnel management and its strategic role in business planning. The framework emphasises personnel functions, such as staffing, training, evaluation and rewards. Discussions include current issues such as affirmative action and pay-for-performance.

72.311 Entrepreneurship and New Ventures
This paper examines innovation and entrepreneurship in existing and organisations. It combines practical issues (including new venture initiation, operation, development and business plans), as well as theoretical and research considerations (definitions, economic role, new technology-based firms, gender issues, ethics and government policy).

72.314 Organisational Communication
Advanced study of communication relating specifically to organisational matters, including organisational systems and structures, small groups, conflict and leadership. The management of communication, including communication policies, the, communication of values, communication in decision and change processes, communications media, and the monitoring of communication effectiveness.

72.317 Women in Organisations
The implications of increasing numbers of women in the paid workforce are explored in an interdisciplinary way. Includes occupational segregation, home-work interface, female identity, sexual harassment issues, career development, EEO, women managers, leadership and power, feminist critiques of organisations and micro and macro strategies for change.

72.325 Organisation Theory
Theories of organisations, including formation of new organisations, organisational change, and organisational failure. Traditional and contemporary approaches to organisational structure and design. Organisational development and effectiveness. Power, politics and systems of control in organisations.

72.325 Organisation Theory and Development
As prescribed for 72.325. This paper is taught at the Tamaki Campus.

72.326 Management Theory and Practice
A course of study on the world and work of the modern manager including: the history of management thought, ethics and social responsibility; is management rational?; management and motivation; new approaches to leadership; management and culture; self management; the nature of managerial work; "Human Resource" management; organisation change, innovation and development.

72.340 Trade Union Studies
An analytical and practical study of the challenges facing the trade union movement in New Zealand and its various responses to them. It will consider how trade unions in New Zealand are dealing with international competitiveness, flexibility in the labour market and a deregulated industrial relations environment, among other contemporary issues.

72.341 Special Topic
1995: Business Ethics
An examination of ethical issues which arise in business contexts. Several frameworks for resolving such issues are presented. Three main areas are covered: ethical dilemmas facing individuals within organisations; ethical issues for organisations; fundamental questions about the ethical nature of business.

72.342 Business and Culture
An opportunity for advanced study of issues arising at the interface between business and society; explores in particular the dynamics of a business culture and the role of business in cultural change.

72.343 International Management
The goal of this course is to convey to students a way of thinking that is consistent with that of international business managers. The complexity of the international business environment and the influence of this environment on the various functions of management will be examined. Special emphasis will be placed on the influence of national culture on the behaviour of people and groups in organisations. This paper will be taught at the Tamaki Campus.

72.344 Business Policy and Strategy
The work of general managers - the people responsible for all these functional areas (operations, marketing, finance, etc.) in an organisation. Covers theories of business policy and strategic management, techniques in writing and interpreting mission statements; goals and long-term objectives; internal; environmental; industry and competitor analyses; corporate; business-level; competitive and functional strategy formulation; implementation variables and strategy implementation; and strategic control. This paper will be taught at the Tamaki Campus.

72.350 Special Topic
72.351 Special Topic
Management Studies and Labour Relations for MCom and MPhil
72.405 Organisation Development
The history of Organisational Development, its value bases, methodologies and relationship to management consultancy. The theory and types of "intervention". Theories of organisational change and growth. Included is a major piece of analytical fieldwork.

72.407 Empirical Study in Labour Relations or Management
An empirical investigation into some aspect of current industrial relations or management practice in the context of existing theory and research. Requires the submission of three interrelated pieces of work including a literature review, a project proposal and a final report.

72.410 Research Methods
The theory and application of modern research methods. Includes the philosophy, process and design of research, the integration of research in practical settings with applied goals and various specific techniques such as questionnaire design, interviewing and behavioural observation, as well as descriptive and inferential statistics.

72.411 Special Topic
1995: The Political Economy of Industrial Relations
Examines the influence of global economy and selected national economies on the development and practice of industrial relations. Includes the relationship between economic policy and issues such as labour market reform, labour legislation and bargaining structures. The influence of "new right" economics on successive US, UK and NZ governments will be addressed alongside the rise of international capital and its influence on workplace change. Issues related to changes in East/Central Europe will be addressed.

72.412 Special Topic: Business and Culture in New Zealand
An opportunity for advanced study of issues arising at the interface between business and society; explores in particular the dynamics of a business culture and the role of business in cultural change.
Faculty of Commerce

72.413 Special Topic: Work in Post Industrial Society
A study of changes in the character of work in contemporary and emergent social conditions. Focus is on the relationship between work and the social-historical processes of industrialisation and the late 20th century condition that is currently understood as "post-industrialisation". Includes changes in work such as automation technologies, the rise of corporate organisations and service industries, the emergence of the new 'knowledge workers', the impact of electronic communication and production systems, and the problem of unemployment. Explored in the context of wider societal processes and changes that include the structure and composition of the workforce, the globalisation of industry and trends in political and social organisation.

*72.414 Special Topic: Issues in Public Sector Management
Examines the critical issues in public sector management including the fundamental question of the applicability of private sector management models and philosophies. Includes the economic and organisational theories underlying public sector reform, market versus bureaucratic models, public policy formulation, the relationship between policy and management, new organisation structures, organisation design in the public sector, industrial relations and human resource issues, the management of professionals, processes of organisational change, organisational culture and quality assurance.

72.415 Special Topic: Management of Professionals
A study of the management of highly trained professionals in bureaucratic or business organisations as well as in professional service firms. Includes issues such as the conflict between managerial control and professional autonomy, professional versus organisational loyalties, employment of general managers in professional service firms, introduction of quality assurance, and the usefulness of contemporary management techniques in organising professional services.

72.416 Special Topic: Contemporary Themes of Women and Organisations.
An examination of theoretical precursors to and results of increasing numbers of women in the paid workforce. It will explicitly cover contributions that women's studies have made to our understanding of occupational segregation, organisational structure, sexual behaviour at work, leadership, power, empowerment and politics, work stress, micro and macro strategies for change.

72.420 Contemporary Themes in Labour Relations
A study involving advanced analysis of a number of key issues in contemporary labour relations. Includes legislation and the labour relations system, approaches to industrial democracy, technological change and labour relations practices, the debate between labour relations and human resource management, trade union strategies and economic downturn, gender in the workplace. Material will be drawn from New Zealand and appropriate international experiences.

*72.421 Advanced Organisation Theory and Behaviour
An in-depth study of contemporary theories of organisation design, structure and behaviour. Topics may include theories of organisation structure, functional, product and matrix designs, power and politics in organisations, organisational communication, gender and organisations, organisation change, organisational culture, technology and organisations, leadership, decision-making, managing diversity.

72.422 Comparative Labour Relations
72.423 Strategic and Comparative Human Resource Management
An extensive and critical review of the literature in the field of 'strategic human resource management' and a review of analytical frameworks and major studies in comparative HRM.

72.424 Theories of Human Resource Practice
A study of the theoretical bases and multi-disciplinary research literature underpinning the practice of HRM. Includes recruitment and selection, reward management, remuneration, training and development, organisational culture and employee satisfaction and commitment, work systems and design, employee diversity and other pertinent areas of contemporary practice.

72.425 Special Topic: 1995 Advanced Organisation Theory and Design
72.427 Special Topic
72.428 Special Topic
72.429 Special Topic
*72.611 Thesis
For MCom.
72.603 Research Essay
For MCom.

Notes
(i) There is no guarantee that all these papers will be available to students during the current Calendar year.
(ii) Discussions concerning thesis and research topics generally take place during the first year of enrolment.

DEPARTMENT OF MARKETING AND INTERNATIONAL BUSINESS

Marketing and International Business II
71.200 Marketing Management
Study of the principles of marketing management within the framework of the strategic management model. Identification of market opportunities, buyer behaviour, marketing research, segmentation and targeting, and planning the tactical elements of the marketing mix. Examination of relationships between marketing and other business functions.

T71.200 Marketing Management
As prescribed for 71.200. This paper is taught at the Tamaki Campus.

71.201 International Business
An investigation of the environment within which international companies work; upon this framework is developed an understanding of the rationale and methods of international business. The course places an emphasis upon the formulation of marketing strategies and the particular problems and opportunities of New Zealand companies operating internationally.

T71.201 International Business
As prescribed for 71.201. This paper is taught at the Tamaki Campus.

Marketing and International Business III
71.300 Marketing Strategy
The capstone course in marketing management, aimed at providing students with the knowledge and skills required by an effective marketing executive assistant. The course utilises the strategic management framework and emphasises experiential learning in marketing measurement and appraisal, preparation of strategies and plans, and analysis of market performance. Students are encouraged to develop further skills for continuing appraisal of marketing theory and techniques. A major practical project is included.

†71.300 Marketing Strategy
As prescribed for 71.300. This paper is taught at the Tamaki Campus.

71.301 Buyer Behaviour
Examination of the behaviour of the consumer through several buyer behavourial models. The following concepts are covered; group influences, including social stratification, reference groups and the family; individual influences, including information processing, learning, attitudes and personality; persuasive communication and its effect on attitudes; decision processes, including problem recognition, search evaluation and post-purchase experience; current research in consumer behaviour. Study of the implications for the practice of marketing management. (Corequisites: 71.302)

†71.301 Buyer Behaviour
As prescribed for 71.301. This paper is taught at the Tamaki Campus.

71.302 Marketing Research
The course examines the principles of marketing research and their application to marketing problems. The course will cover research problem definition, research design, data collection, data analysis and reporting.
71.410 Special Topic
71.409 Special Topic

71.409 Special Topic
71.408 Special Topic

basic statistical techniques is assumed. Statistics and computerised data analysis. Prior knowledge of behavioural observation. There will be coverage of the use of research methods; the process and design of scientific research; this paper is concerned with the theory and application of modern competitive advantage; of marketing information systems; and developments in the international financial environment, the processes of internationalisation, and organisational configurations. (Prerequisite: 71.200, 71.201)

71.309 International Strategic Management
This paper examines the application of strategic management concepts and techniques within the International Business context. Specific aspects covered include: strategic decision making, strategic analysis, international business strategy, processes of internationalisation, and organisational configurations. (Prerequisite: 71.200, 71.201)

71.309 International Strategic Management
As prescribed for 71.309. This paper is taught at the Tamaki Campus.

71.311 International Business
This paper reviews a number of conceptual and theoretical models underlying the general areas of international business. Recent developments in the international financial environment, the international trading environment, the GATT, and the political environments as they affect the conduct of international business will be well covered. (Prerequisite: 71.200, 71.201)

71.311 International Business
As prescribed for 71.311. This paper is taught at Tamaki.

71.312 Special Topic
1994: Models of Business Development in the New Asian Industrialism. To be prescribed by the Head of Department.

*71.313 Special Topic
1994: Relationship Marketing (Restriction: 71.310)

Marketing and International Business for BCom(Hons), MCom and Honours

71.400 Advanced Marketing
Advanced study of marketing theory related to a range of different areas such as strategy, services, promotion, retailing and generic marketing management.

71.401 Advanced Buyer Behaviour
An advanced study of models and theory relating to the purchasing behaviour of consumer and industrial buyers. Recent research in consumer information processing and cross-cultural research will be evaluated and its practical implications investigated.

71.402 Information Technology in Marketing
Advanced study of information technology in pursuit of competitive advantage; of marketing information systems; and marketing science methods. Students will require at least a basic understanding of computer science. (Restriction: 71.310)

71.403 Research Methods in Marketing
This paper is concerned with the theory and application of modern research methods; the process and design of scientific research; and specific techniques of measurement, questionnaire design and behavioural observation. There will be coverage of the use of statistics and computerised data analysis. Prior knowledge of basic statistical techniques is assumed.

71.409 Special Topic
71.410 Special Topic

71.411 Advanced International Business
A selection of practical issues in international business examined in depth, e.g.; joint ventures, control of international corporations, organisational structuring for international business, the internationalisation of the New Zealand firm.

71.412 Advanced Strategic Management
Study of advanced concepts, models and techniques for the strategic management of corporations and business units; models of international competitive advantage for industries and firms.

71.413 Entrepreneurship and Innovation
This paper will examine issues in entrepreneurship and innovation; including definitions, diverging and converging theories, innovation processes, research and development, strategy development, organisational development, innovation diffusion, inter-firm networks, strategy implementation, and policy implications.

71.611 Thesis
71.603 Research Essay
For MCom.

71.623 Research Essay
For BCom(Hons).

Note: There is no guarantee that all these papers will be available to students during the current Calendar year.

DEPARTMENT OF MATHEMATICS

26.108 Algebra and Calculus for Commerce
Algebra and calculus and their application in business and economics: sets; real numbers; integers; matrices; linear algebra including linear functions, equations and inequalities; linear programming; non-linear algebra including non-linear functions, equations and inequalities; limits and continuity; differential calculus of one and several variables; integral calculus of one variable.

T26.108 Algebra and Calculus for Commerce
As prescribed for 26.108. This paper is taught at the Tamaki Campus.

26.208 Mathematics for Commerce
Background mathematical skills for third and fourth year Economics, Finance, Marketing Research, and Operations Research. Matrix-algebra, multivariable calculus, differential equations, and the use of symbolic computing is discussed with applications to the Commerce subjects listed above and Theoretical Statistics.

T26.208 Mathematics for Commerce
As prescribed for 26.208. This paper is taught at the Tamaki Campus. For further Prescriptions see the Index.

DEPARTMENT OF STATISTICS

528.188 Probability and Statistics for Commerce
Statistics and the process of investigation; types of statistical study; tools for exploring and summarising data; probability and distributions; estimation; and p-values; quantitative variables and comparing groups (includes one-way analysis of variance); non-parametric methods; qualitative variables and comparing groups (includes one-way analysis of variance); non-parametric methods; qualitative variables and tables of counts (includes chi-square test); relationships between quantitative variables (includes simple linear regression and correlation); use of statistical computer packages.

T528.188 Probability and Statistics for Commerce
As prescribed for 528.188. This paper is taught at the Tamaki Campus and uses the Tamaki computing laboratories.

528.288 Data Analysis for Commerce
Computer based analysis of statistical data. Topics include: data collection, exploratory data analysis, multiple regression, analysis of variance, contingency tables, industrial applications of statistics, and forecasting. This paper is very similar to 528.281, but is targeted towards Commerce.

T528.288 Data Analysis for Commerce
As prescribed for 528.288. This paper is taught at the Tamaki
For further Prescriptions see Index.

**MASTER OF TAXATION STUDIES**

**01.480 The Impact of Taxation on Financial Reporting and Control**
This course examines the interaction between accounting and taxation concepts of income and studies the different objectives underlying their measurement together with the associated financial reporting problems. Because taxes are an important form of wealth transfer, it is necessary to review the political and institutional environment while at the same time highlighting the two-way exchange between taxation and financial reporting. Some empirical studies documenting the accounting-taxation interface are looked at. Finally, the course examines the role of taxation in the firm’s investment, financing and dividend decisions.

**01.481 Special Topic in Taxation Accounting**
To be prescribed by the Head of the Department of Accounting and Finance.

**02.480 The Tax Base - Definition and Manipulation**
The nature of income, its timing and recognition, its distinction from capital and methods of calculation. Deductions and rebates. The limited role of capital in the existing tax base and the likelihood of its expansion. Tax minimisation in the courts. Statutory responses to tax avoidance. The Commissioner’s discretions and appeal and review mechanisms.

**02.481 The Taxation of Corporations and Investors**
The impact of business structures on tax liabilities of business organisations and their members. Trusts, partnerships, joint ventures, groups of companies are considered but the primary focus is on the allocation of the tax burden between companies, shareholders and other investors.

**02.482 Indirect and Asset Based Taxation**
Existing transactional and property taxes such as the Goods and Services Tax and Land Tax. A comparative study of overseas experience with wealth and capital gains taxes and their possible application to New Zealand.

**02.483 Current Developments in Taxation**
Selected in-depth studies of recent or imminent changes in the tax laws. The topics chosen will vary from year to year. Only those areas capable of rigorous academic analysis will be chosen for examination.

**02.484 International Taxation**
Tests of residence for individuals and corporations. The wider tax base for off-shore income of New Zealand residents. Income derived by overseas residents from New Zealand activities. The Double Tax Treaty System. Selecting the country of residence. Anti-avoidance measures directed at transnational activity. The use of tax havens. As well as New Zealand taxation law the course also examines the municipal revenue law of some of our trading partners.

**02.485 Discretions, Disputes and Procedures**

**02.486 Avoidance Provisions**

**02.487 Special Topic in Taxation Law**
To be prescribed by the Head of the Department of Commercial Law.

**02.488 Special Topic in Taxation Law**
To be prescribed by the Head of the Department of Commercial Law.

**13.480 Contemporary Issues in Fiscal Policy**
Desirable characteristics of a tax system. Equity, neutrality, simplicity, public acceptance. Administrative efficiency, responsiveness to economic changes, optimum levels for revenue need. The use of taxation to meet welfare and social goals. The machinery of tax reform.

**THE NEW ZEALAND SOCIETY OF ACCOUNTANTS**
For those students intending a professional career as a Chartered Accountant, in either private practice or commerce, it is possible for a graduate to complete a degree which is recognised by the New Zealand Society of Accountants as meeting their academic requirements for admission, apart from the Business Communication module and the society’s final qualifying examination. This arrangement has provided benefits both for the University and the profession. Full details are available from the Department of Accounting and Finance. Those with queries should write directly to the Education Officer, New Zealand Society of Accountants, P.O. Box 11342, Wellington.

**DIPLOMA COURSE REGULATIONS**

**DIPLOMA IN BUSINESS DipBus**
The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their course of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations. Every intending new candidate must apply to the Registrar for permission to enrol in the course not later than the date prescribed by the Senate for the year preceding that in which the applicant proposes to enrol. A candidate who has completed a Diploma in Business in one subject may proceed with permission to attempt the Diploma in Business in another subject.

**General Provisions**

1. Subject to the Admission Regulations, a candidate for the Diploma in Business shall before enrolment for this Diploma:

   (a) have been admitted or qualified for admission to a Bachelor’s degree, and have had not less than two years of employment experience deemed relevant by the Senate, or
(b) hold a professional qualification in Accounting, Engineering, Science or other discipline approved for this purpose by the Senate and have had not less than two years of employment experience deemed relevant by the Senate, or
(c) have had not less than five years of employment experience deemed relevant by the Senate.

2. Admission to the course of study shall be at the discretion of the Senate.

3. A candidate for this diploma who has been credited for another degree or diploma with any paper the same as or similar to that prescribed under Regulation 6 of this Diploma shall substitute for each paper so credited such additional paper or papers as the Head of Department may approve.

4. A candidate who has completed a Diploma in Business in one subject may not cross credit those papers to another Diploma in Business.

**Course Requirements**

5. A candidate for the Diploma in Business shall be required to:
   (a) follow a course of study of duration equivalent to not less than one academic year, and
   (b) pass each of six papers from one of the following subjects:

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
</tr>
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<tbody>
<tr>
<td>Engineering Management</td>
<td>70.592</td>
</tr>
<tr>
<td>Finance</td>
<td>70.426</td>
</tr>
<tr>
<td>Information Systems</td>
<td>70.571</td>
</tr>
<tr>
<td>Maori Development</td>
<td>70.511</td>
</tr>
<tr>
<td>Marketing</td>
<td>70.433</td>
</tr>
</tbody>
</table>

   and (c) perform laboratory and practical work to the satisfaction of the Senate, and attend workshops as required by the Senate.

6. The course of study for this Diploma shall consist of six papers from one of the following subjects.

**Engineering Management**

- 70.592 Project in Engineering Management
- 70.593 Engineering Management in Practice

and either (i)

- two papers selected with the approval of Senate from:
  - Group A: 70.594 Technology Management, 70.595 Engineering Project Management, 70.596 Resource Management
  - two papers selected from:
    - Group B: 70.433 Marketing Management, 70.554 Services Marketing, 70.563 Business to Business Analysis and Marketing, 70.530 Financial Accounting, 70.426 Financial Management

One other paper as prescribed for another subject for this Diploma (not PMER)

or (ii) one paper selected from Group A and three papers selected from Group B.

**Finance**

- 70.426 Financial Management
- 70.437 Economics for Business
- 70.529 Special Topic in Finance
- 70.530 Financial Accounting
- 70.531 Theory of Corporate Finance
- 70.533 Risk and Insurance
- 70.534 Case Studies in Finance

and four papers selected with the approval of the Senate from:

- 70.435 Retailing
- 70.552 Buyer Behaviour
- 70.553 New Ventures
- 70.554 Services Marketing

One paper as prescribed for another subject for this Diploma.

70.426 and 70.532 are pre-requisites for all other Finance papers, except 70.530.

**Information Systems**

- 70.571 Analysis and Design
- 70.570 Programming Languages
- 70.574 Information Systems Project
- 70.575 Data Communications
- 70.576 Advanced Management of Information Systems
- 70.577 Strategic Information Systems

One paper as prescribed for another subject for this Diploma.

70.571 and 70.572 are corequisites for all Information Systems papers.

**Maori Development**

- 70.511 Maori Society: History & Resources
- 70.512 Finance and Accounting
- 70.513 Marketing and Management

One paper as prescribed for another subject for this Diploma.

**Marketing**

- 70.433 Marketing Management
- 70.435 Retailing
- 70.552 Buyer Behaviour
- 70.553 New Ventures
- 70.554 Services Marketing

One paper as prescribed for another subject for this Diploma.

70.551 Strategic Marketing

70.562 Advertising and Communications Management
*70.563 Business to Business Analysis and Marketing
70.564 Information Technology and the New Marketing
*70.565 Statistics and Computing for Marketing
One or two papers as prescribed for another subject for this Diploma.

New Venture Management
70.553 New Ventures

and four papers selected with the approval of Senate from:
70.501 Management of Small Business
70.502 Management of Innovation and New Products or Services
70.503 Finance for New Enterprise

One paper as prescribed for another subject for this Diploma

Operations Management
70.581 Operations Planning and Control
70.578 Project Management
70.583 Management of Quality
70.584 Project in Operations, Quality, or Technology Management

One paper as prescribed for another subject for this Diploma.
70.581 and 70.582 are corequisites for all Operations Management papers.

Personnel Management and Employee Relations
70.541 Labour Relations
70.542 Personnel Policy and Practice

and either (a) three papers selected from:
70.436 Special Topic in Human Resource Management
70.543 Organisational Development
70.544 Training and Development

or (b) two papers from (a) and
70.522 Labour Relations Project or

One Paper As Prescribed for another subject in this Diploma.
70.541, 70.542 and 70.546 are corequisites for all Personnel Management and Employee Relations papers.

Quality Management
70.507 Overview of TQM
70.509 Leadership and Organisation
70.517 Implementation of TQM
70.518 Special Topics in TQM

One paper as prescribed for another subject for this Diploma.
70.507, 70.508 are corequisites for all other Quality Management papers.

Note: * Starred papers will not be taught in the current Calendar year. 
† Daggered papers may not be taught during current Calendar year unless sufficient staff is available.
7. In exceptional circumstances, Senate may approve a personal course of study which does not conform to the foregoing Regulations.
8. These Regulations shall come into force on 1 January, 1992.

DIPLOMA IN COMMERCE DipCom

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their course of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations. Every intending new candidate must apply to the Registrar for permission to enrol in the Course not later than the date prescribed by Senate for the year in which the applicant proposes to enrol.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Diploma in Commerce shall before enrolment for this Diploma:
   (a) have been admitted or qualified for admission to the Degree of Bachelor of Commerce or such other university degree as the Senate may approve in a particular case, or
   (b) hold or have qualified for the award of a professional qualification in Commerce approved by the Senate.
2. Subject to the Admission Regulations a candidate may enrol for the Diploma in Commerce after having completed at least nineteen papers for the Bachelor of Commerce Degree, or the equivalent in such other degree as may be approved by Senate in a particular case, provided that the Diploma will not be awarded until the Degree of Bachelor of Commerce has been completed.
3. Admission to the course of study for the Diploma in Commerce shall be at the discretion of the Senate.

Course Regulations
4. A candidate for the Diploma in Commerce shall be required to:
   (a) follow a course of study of not less than one year, and
   (b) pass the examinations in not less than six papers selected with approval of Senate from 200, 300 and 400 level papers in Accounting and Finance, Commercial Law, Economics, Management Science and Information Systems, Management Studies and Labour Relations, Marketing and International Business,
   (c) select at least three papers at 300 or 400 level from one, or with the permission of the Senate more than one, of the subjects Accounting, Commercial Law, Economics, Management Science and Information Systems, Management Studies and Labour Relations, Marketing and International Business,
(d) select no more than two of the papers at 200 level.
5. A candidate may with the permission of the Senate take one paper at 200, 300 or 400 level from a degree of this University in a subject not listed in Regulation 4 of this Diploma provided such paper shall substitute for and be equivalent to any other paper in this Diploma.
6. Except with the permission of the Senate, no candidate shall take in any one year more than eight papers for this course of study.
7. No candidate may present for this Diploma a paper which is the same or substantially equivalent in content to any paper the candidate has passed for another degree or diploma.
8. No candidate shall be credited for this Diploma with any paper passed for another degree or diploma.
9. The Senate may in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.
10. These Regulations shall come into force on 1 January, 1988.

DIPLOMA IN ENVIRONMENTAL MANAGEMENT DipEnvirMgmt
The Diploma in Environmental Management is an Inter-faculty offering. For detailed Regulations refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

DIPLOMA IN MANAGEMENT DipMgt
The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their course of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations. Every intending new candidate must apply to the Registrar for permission to enrol in the Course not later than the date prescribed by Senate for the year in which the applicant proposes to enrol.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Diploma in Management shall before enrolment for the Diploma:
   (a) have been admitted or qualified for admission to a Bachelor's degree and have had not less than two years of employment experience deemed relevant by the Senate, or
   (b) hold a professional qualification in Accounting, Engineering, Science or other approved discipline and have had not less than two years of employment experience deemed relevant by the Senate, or
   (c) have not less than five years of work experience deemed relevant by the Senate.
2. Admission to the course shall be at the discretion of the Senate.
3. A candidate for this diploma who has been credited for another degree or diploma with any paper the same as or similar to that prescribed under Regulation 5 of this diploma shall substitute for each paper so credited such additional paper or papers as the Senate may approve. The maximum credit towards this diploma shall be two papers.

Course Requirements
4. A candidate for the Diploma in Management shall:
   (a) pursue a course of study for not less than twelve months, and
   (b) pass separately in each of eight papers listed under Regulation 5, and
   (c) complete laboratory and practical work to the satisfaction of the Senate, and attend laboratories and workshops as required by the Senate.
5. The course of study for this Diploma shall consist of eight papers: five papers in Part 1 and three papers in Part 2:
   PART 1 (Five papers)
   273.501 Accounting and Financial Management
   273.502 Marketing Management
   273.503 Operations/Services Management
   273.504 The Organisation and its Environment
   273.505 Organisation and Management
   PART 2 (Three papers)
   Three papers from one of the following specialisations:
   Management in the Health Sector
   273.521 Health and Medical Care Organisation
   273.522 Management in the Health Sector
   273.523 Human Resource Management in the Health Sector
   273.524 Special Topic in Health Management
   Management in the Public Sector
   273.531 The Public Sector
   273.532 Organisation and Management in the Public Sector
   273.533 Quality Management in the Public Sector
   273.534 Special Topic in Public Sector Management
   Management for Service Organisations
   273.541 Service Organisations
   273.542 Managing for Service Quality
   273.543 Managing Service Customers and the Service System
   273.544 Special Topic in Services Management
   Management of Science and Technology
   273.551 Science and Technology: Context and Strategy
   273.552 Managing Science and Technology
   273.553 Project Management
   273.554 Managing Professionals
6. A candidate who has completed the requirements for the degree of Master of Business Administration may be permitted to complete the requirement for the Diploma in Management by completing Part 2 of this diploma and three additional advanced papers related to the chosen specialisation selected with the approval of Senate from those prescribed for this diploma or any for any other degree or diploma.
7. In exceptional circumstances the Senate may approve a course of study which does not conform to the foregoing regulations.
8. These Regulations shall come into force on 1 January, 1995.
DIPLOMA COURSE PRESCRIPTIONS

DipBus

Engineering Management
70.592 Project in Engineering Management
A supervised project requiring the application of engineering management techniques to investigate and solve a particular problem within the candidate’s own organisation or business.

70.593 Engineering Management in Practice
A course dealing with contemporary issues relating to the application of management principles across a range of engineering disciplines. The course will include case studies presented by practising engineering managers and, where appropriate, site visits.

70.594 Advanced Manufacturing Technology
A course designed to introduce students to the concepts and practice of modern advanced manufacturing technology (AMT).

70.595 Engineering Project Management
The principles, processes and techniques involved in the management of engineering projects. Topics include: networks and programming procedures; decision theory; contractual arrangements; statutory approvals; cost control procedures; quality assurance; organisational structures; motivation and conflict avoidance.

70.596 Resource Management
Management of natural and physical resources including air, land, water, energy, minerals and the built environment. Topics include: resource sustainability; environmental protection, management planning and legislative issues.

70.597 Quality Management for Engineers
Total Quality Management (TQM) is an evolving body of philosophies and techniques developed primarily by industry to create higher quality products and services. This course will consist of topics and case studies illustrating the techniques and applications of TQM in engineering management. Topics will include: planning for quality improvement; strategic tools for TQM implementation; experimentation in service and production industries; the elements of process control; effective use of data; tools for quantitative decision making.

70.587 Business Contracts and Allied Obligations
Contractual and other obligations affecting engineering management: General principles of contract. Intellectual property. Rights to know how and other valuable information. Liability for defective products, services and advice.

Finance
70.426 Financial Management
The conceptual framework of modern finance theory and application of that theory to the major decisions facing a corporate financial manager. Particular attention will be given to the topics of capital budgeting, valuation, financial structure and dividend policy. Implications of the theory and evidence for corporate financial decision making are emphasised.

70.437 Economics for Business
70.530 Financial Accounting
A broad coverage of the theory, concepts and practice of financial accounting from the perspective of a user of financial statements. The material is oriented to New Zealand practices but important differences with international procedures are noted. This paper is for students with limited or no previous formal training in accounting.

*70.531 Theory of Corporate Finance

*70.532 Investment Analysis
An intensive study of the basic concepts and tools of investment analysis. The environment of investment decision making in New Zealand is covered, including international considerations. Financial statement analysis is studied in detail. Efficiency of capital markets, the role of diversification, risk assessment and the relationship between risk and expected return are covered.

*70.533 Risk and Insurance
Risk and insurance are presented as theoretical concepts and then as problems and opportunities facing firms and individuals. Particular emphasis is placed upon the use of financial securities to manage risk. This will include cases where financial products are available through organised markets or contracted with financial institutions, as well as those designed for a specific circumstance.

70.534 Case Studies in Finance
The focus of this course will generally be on corporate financial management including cases on management of working capital, raising long-term capital and capital budgeting. The precise content may vary with the changing economic climate, preferences of students and interests of the lecturer.

*70.535 Management of Financial Institutions
This paper investigates issues of financial management as applied to financial institutions. The orientation is to policy issues and principles rather than operating techniques. Topics will include asset and liability management, interest rate and risk management, and regulation, with attention to the New Zealand situation. The early sessions will survey broad issues while subsequent sessions will investigate specific theories and empirical evidence as to their efficacy. This course builds on knowledge acquired in Financial Management and Investment Analysis.

*70.536 Investment Administration
70.537 Property Finance and Investments
The theory and practice of property finance including the development perspective as well as the investment and management aspects. Regulatory and legal aspects will be discussed. However, the main emphasis will be upon valuation models, investment evaluation and financing issues.

70.538 International Finance
Analysis of issues arising from business activities in the international economic community. Covers the determinants of exchange rates and foreign investments, characteristics of international financial institutions and markets and the international monetary system.

70.539 Business Taxation
Analysis of the economic effects of business taxation in the framework of the total tax structure in New Zealand. Implications of taxation for business management and decision making are stressed. International business taxation issues are addressed although they are not central to the course.

70.580 Finance Law
The law affecting the raising of debt and equity capital. Public floats, takeovers and mergers. Legal issues arising from specialised forms of investment such as options, futures and commodities trading. Insider trading and negligent investment advice.

70.529 Special Topic in Finance
Supervised independent study and investigation of a chosen aspect of financial management. The participant will be required to present a detailed investigative report.

Information Systems
70.570 Programming Languages
An introduction to the procedural component of modern system development methods. Practical assignments of a procedural language are given in conjunction with screen and data-oriented non-procedural facilities. Appropriate applications of each type of language will be discussed. Strengths and weaknesses of current operation systems and computer hardware will be briefly reviewed.

70.571 Analysis and Design
An appreciation of, and initial experiences in, the attitudes, skills and knowledge required for successful systems analysis and design.
A variety of approaches are investigated and applied to a business case. Students will also analyse success and failure in a variety of New Zealand cases in Information Systems.

70.572 Database Management
An introduction to the key concepts and techniques required for the rational management of data in an organisation. Topics include planning and behavioural issues, data modelling, and the functions provided by common commercial data base management software environments. Extensive “hands-on” experience will be provided using a highly-rated DBMS.

70.574 Information Systems Project
An in-depth literature study and report on a well-defined subject from the field of Information Systems application in business. Topics associated with students' workplaces are strongly recommended. If desired, students may combine an abbreviated feasibility study with the analysis, design and implementation of a working system. Students consult staff members on an individual basis.

70.575 Data Communications
Includes both Local Area Networks (LAN) and Wider Area Networks (WAN). Describes the major components of Data Communication systems, including transmission media, terminals and other DC hardware units, link protocols, networks and DS software. Introduces DC design techniques. Networks currently used by New Zealand organisations are presented and discussed.

70.576 Advanced Management of Information Systems
The paper deals with the management of information systems and technology as it is being practised in organisations today. A broad number of issues are covered including: management of end-user computing, information systems planning, conversion to new technologies, project management and the assessment of systems development productivity.

70.577 Strategic Information Systems
A framework for corporate level performance and competitive analysis in designing enterprise-wide information systems architectures. Information Systems, strategy and marketing views are synthesised in support of this aim. The framework will be studied in conjunction with Harvard Business School and local cases. Active student participation is required.

70.578 Project Management
Methods of planning programmes and projects. Organisational structures and information management for project teams. Optimising techniques for project plans. Communications, motivational factors and conflict resolution techniques.

70.579 Information Systems Control and Security
Examination and evaluation of managerial controls over information systems. Discussion of data security issues in business organisations with special emphasis on the New Zealand environment.

70.591 Technology, Organisation and Change
Models of Technology and Change; Technology and Organisations: from Hawthorne to Robotics; Post-Fordism and the future of work; Japanisation and the Internationalisation of Technology; The Management of Technological Change; Technological Change and Participation.

70.588 Information Technology and the Law

Maori Development
70.511 Maori Society: History and Resources
A survey of Maori society and economic activity; the use of Maori land and resources; the interaction of culture and commerce, incorporating a comparison of the Maori experience with those of other indigenous peoples.

70.512 Finance and Accounting
An overview of standard accounting practice and a review of contemporary information technology and systems; an introduction to financial and risk management; an analysis of the types of commercial and information accounting systems utilised by Maori organisations.

70.513 Marketing and Management
An analysis of the nature of Maori enterprise, and consideration of the Maori manager in relation to modern marketing and management practice and theory; the impact of national and international influences; development of ideas about the education and training requirements of Maori enterprises, formulation of options for delivery of such requirements at a variety of educational levels.

70.514 Law and Legal Issues
A review of the statutory and regulatory environment as it pertains to Maori resource use and commercial development, with regard to specific legislation and the Maori Land Court; relevant findings, and implications of Waitangi Tribunal negotiations and decisions.

70.515 Entrepreneurship
An introduction to market assessment and evaluation of business opportunities; developing a business checklist and presenting a case for finance; incorporating an analysis of successful collective-entrepreneurship models nationally and internationally.

70.516 Research Project
A research project related to the candidates own organisation, business background or experience which can be supervised by any of the teaching departments individually or interdepartmentally.

Marketing
70.433 Marketing Management
An introduction to the principles of marketing, the role of marketing in an organisation and the relationship of marketing to other business areas. It also examines the component parts of marketing.

70.435 Retailing
The Customer, Demographics, Store Formats, Category Management, Partnering, Space Management, Data Analysis/Appreciation, Core Competencies, Logistics, Advertising & Promotion, Retail Strategy Formation, Trading Terms, Research, Store Management Interface and Negotiation.

70.551 Strategic Marketing
Procedures for analysing internal competencies and competitive advantages, strategies for growth and development and the management of innovation and new product development. Students will study and apply the techniques for managing a strategic business unit, the development of strategies and the preparation of marketing plans.

70.552 Buyer Behaviour
The study of consumer trends, theories, models and the practical observation of the process through which consumers and industrial executives make purchasing decisions. The implications of these insights for marketing management practice are studied.

70.553 New Ventures
The study of techniques in the launch of the fast growth stand alone venture. Entrepreneurial approaches to business management, including individual motivation and working in or with small start up teams. Resource constraints and how to handle them (financial, human and technical) are studied.

70.554 Services Marketing
The study of customer defined service quality and the managerial control and communication process explaining service quality gaps; cases and management implications in applied settings.

70.556 Special Topic in Marketing
Supervised independent study and investigation of a chosen aspect of marketing. The student will be required to present a detailed investigative report.

70.558 International Business Management
An investigation of the environment within which international companies operate, and an understanding of the rationale and methods of international business. The formulation of marketing strategies in the international environment.
This course examines aspects of marketing such as the use of effective promotional mix, including Advertising, Sales Promotion, Public Relations, and Direct Marketing. How these fit into the overall marketing mix and impact on other elements. How to plan and implement a cost-effective promotional mix.

70.561 Marketing Research
The principles of marketing research and their applications to marketing problems. Research problem definition, research design, data collection, data analysis and reporting of results.

70.562 Advertising and Communications Management
A study of the principles of Advertising and Communications including Advertising, Sales Promotion, Public Relations, and Direct Marketing. How these fit into the overall marketing mix and impact on other elements. How to plan and implement a cost-effective promotional mix.

70.563 Business to Business Analysis and Marketing
This course examines aspects of marketing such as the use of numerical analysis in determining the standing of the business in relation to market and competitors. Certain specific aspects of such analysis which are peculiar to the business to business, industrial sector of marketing (as opposed to consumer marketing) will be highlighted.

70.564 Information Technology and the New Marketing
Information Technology (I.T.) is a crucial factor in the development of marketing strategies today. It affects virtually every aspect of running a business. I.T. is now recognised as a principal means of achieving strategic success. Information technologies will cause a revolution in the way marketing will be done in the 1990s. If you want to remain a competitive marketing person you must be aware of these events. This paper will help you do so.

70.565 Statistics and Computing for Marketing
70.566 Direct Marketing
Direct marketing is an interactive system of marketing which uses one or more advertising media to effect a measurable response and/or transaction at any location. It is one of the fastest growing elements of the marketing and promotional mix. This paper looks at ways in which Direct Marketing can be planned, implemented and controlled and how it fits in with all other elements of the marketing mix.

70.568 Corporate Venturing
The study of tools and techniques for the planning, establishing and managing of project groups within or alongside the larger firm. Objectives, performance and likely trends in Corporate New Ventures: process and stage models. Project management skills.

70.569 Law of Marketing and International Trade
The law concerning the marketing of goods and services within New Zealand and overseas. Legal protection for business innovation and goodwill. Product liability and consumer protection. Legal restrictions on promotion and advertising. Anti-competitive marketing arrangements. Franchises and licences. International sales contracts, choice of law, currency and payment, shipping contracts, export finance, marine and aviation insurance.

New Venture Management
70.553 New Ventures
As prescribed for Marketing Management.

70.568 Corporate Venturing
As prescribed for Marketing Management.

70.501 Management of Small Business
An intensive study of the skills basis for management of a small firm by an owner manager, taking a contingency approach to planning, organising, staffing and directing, setting budgets and monitoring performance (by manual and computer systems), understanding and serving a particular market, selling, giving credit and managing cash flow, detecting and controlling fraud and theft, taking insurance, dealing with the bank, selling the business, and planning for succession.

*70.502 Management of Innovation and New Products or Services
Specialist study of the measurement of new product or service demand, the management of the process of innovation, the examination of launch strategies for radically new products or services, the management of the diffusion of innovation process, the management of joint ventures and other forms of collaboration, and the management of the sale and licensing of inventions and new ventures.

70.503 Finance for New Enterprises
Fundamental principles of financial management and risk management with a specific orientation towards new enterprise. Topics of direct relevance will include start up, bridge, mezzanine and public financing measurement of new venture proposals, funding packages (equity versus debt), cash and cash flow management, venture capital in New Zealand and overseas, and buy in and buy out strategies from the financial viewpoint.

70.504 Internationalisation of Product and Service Marketing
Developing international marketing opportunities for small and medium sized firms, from an established base in the domestic market. Strategies for exporting through agents and distributors, establishing offshore marketing branches and subsidiaries, and eventual foreign direct investment in manufacturing. Consideration of joint venturing and licensing arrangements in overseas countries. Review of particular internal capabilities that must be developed. Financing of international developments.

70.505 Information Systems and Control in New Ventures
The need for and the design of a new firm information base, dealing with information professionals, value of information, timeliness of paperwork and computer systems, management and control issues, budgeting, performance comparisons, inventory management, new venture advantage through the use of information.

70.506 New Enterprise and the Law
Study by the new venture manager of business formats - limited liability, partnership, own account, joint venture, co-operatives, intellectual property - patents, trademarks, copyright, design marks, protection of confidential information, and the law relating to passing off. Basic principles of Contract Law with particular respect to creditors, customers, and employees.

Operations Management
70.578 Project Management
Methods of planning programmes and projects. Organisational structures and information management for project teams, optimisation techniques for project plans, communications, motivational factors and conflict resolution techniques.

70.581 Operations Planning and Control
Design of information and decision systems for allocating resources and scheduling activities. Topics include inventory control, forecasting, capacity planning, scheduling, material and resource requirements planning, aggregate planning, and integrated manufacturing control systems.

70.582 Management of Service Operations
Management of service operations and efficient use of resources in the short term. Topics include service systems taxonomy, customer contact models, service factory concept, service quantity measurement and management, project management, planning and resources allocation in service systems, staffing and work planning, service system design, task sequencing, and shift scheduling.

70.583 Management of Quality
Management of quality to gain strategic and competitive advantage. Quality as a management philosophy is stressed throughout the course. Quality management techniques such as Quality Function Deployment. Continuous Improvement and Statistical Process Control will be covered.

70.584 Project in Operations, Quality, or Technology Management
A supervised project related to candidate's own organisation or business.

70.585 Strategic Operations
Development and implementation of production and service strategies within corporate, business, and other functional strategies of the organisation. Topics include trade-offs in operations objectives and decisions, process positioning, product...
profiling, focused operations, experience curves and organisation design for operations.

70.586 Information Integrated Operations
Study of the role of information technology in operations management including both manufacturing and services industries. The paper will cover customer order entry, manufacturing planning and control, automated material handling, CAD, computer technology and robotics, the development of a CIM strategy. An organisational perspective will be used throughout the study.

70.591 Technology, Organisation and Change
As prescribed for Information Systems.

Personnel Management and Employee Relations
70.436 Special Topic in Human Resource Management
70.522 Labour Relations Project
*70.523 Equity Issues in Employment
An introduction to the theory and practice of equity in the workforce. Changing demographic profile of N.Z. labour force and the effective management of this diverse workforce. The experience of women and minority groups and effects on workplace relations. Equal employment opportunity and pay equity legislation, policy development and effects on recruitment, promotion and performance appraisal. Implications for future work practices.

70.541 Labour Relations

70.542 Personnel Policy and Practice

70.543 Organisational Development
The history of Organisational Development, its value bases, methodologies, and relationship to management consultancy. The theory of “interventions”. Types of “intervention”. Theories of organisational change and growth.

70.544 Training and Development
Critical reflection of content, context and process of training and development policy and practice; theoretical underpinnings of education, training and development; examination of issues such as identification of need, evaluation, selection and construction of content, access and equity; training as intentional activity in the management of change - technological innovation, attitudes and relationship in the workplace, critical awareness and emancipatory learning. This course does not provide initial training in programme planning and design.

70.545 Strategic Human Resource Management

70.546 Organisational Behaviour

70.547 Advanced Labour Relations
Advanced topics relating to comparative collective bargaining, transnational corporations, industrial democracy, political unionism and supply-side labour relations.

70.549 Personnel Management Project
70.591 Technology, Organisation and Change
As prescribed for Information Systems.

Quality Management
70.507 Overview of TQM
Principles of TQM; evolution, philosophy and approaches to TQM (Demming, Ishikawa, Juran, Crosby, Garvin); quality and competitiveness; strategic quality management; customer focus; continuous improvement; benchmarking; service quality; cost of quality and impact on financial results; accounting for quality; supplier relations; quality standards (e.g. ISO9000) and accreditation.

70.508 TQM Tools and Statistical Thinking
The “seven basic tools”: check sheets, cause and effect diagrams, Pareto charts, histograms, flow charts, scatter diagrams and control charts; understanding variations; data and measurement; numerical and graphical summaries; exploratory data analysis; introduction to statistical process control; the role of advanced statistical tools in process improvement and evaluating customer services.

70.509 Leadership and Organisation
Leadership; management commitment; quality culture; organisational and cultural change; communication; involvement, empowerment and participation; motivation, and reward systems; team building and teamwork; organisation for quality.

70.517 Implementation of TQM
Case studies of real-life implementation of TQM and in organisations in New Zealand and overseas. Case studies of organisations that have been through the quality standard accreditation processes (in particular ISO9000).

70.518 Special Topics in TQM
Proactive quality management and the VW model; quality in design and new product development. Quality Function Deployment, the “house of quality”; voice of the customer; process re-engineering, policy development; the role of measurement and data; cost management systems for tracking the cost of quality.

70.519 Advanced Statistical Tools for TQM
“New seven tools”: affinity diagram, interrelationship digraph, tree diagram, prioritization matrices, matrix diagram, process decision program chart, activity network diagram; process capability; advanced control charting techniques, statistical versus dynamic process control; experimental design, Taguchi methods; evolutionary operations (EVOP); sampling techniques; reliability management; product liability; performance measurement.

70.526 Project in TQM
A TQM related project in a participant’s company and supervised by the staff.

DipCom
See the prescriptions for the BCom and MCom courses. The DipCom is designed as a two-year part-time course, or as a one-year full-time course.

DipMgmt
273.501 Accounting and Financial Management
The structure of accounting information and its use for management planning, product and service costing, decision making and control. Attention will be given to aspects of financial management including the analysis of financial position and investment in capital projects.

273.502 Marketing Management
Principles of marketing management and the role of marketing in today’s organisations are presented. Topics include product development, developing a marketing plan; market research; buyer behaviour; segmentation and targeting. The impact of
information technology on marketing is discussed and strategies for improving marketing performance through information technology are explored.

**273.503 Operations/Services Management**

This paper examines the role of operations management in delivering customer satisfaction and in determining business success. Operations management applies to both the services and manufacturing sectors and key issues relevant to both are outlined. Finally, quality management is considered, in particular the key issues of staff, strategy and systems. Topics include managing and controlling information systems; evaluating new technologies and developing systems to improve productivity and quality management.

**273.504 The Organisation and its Environment**

This paper presents a system of the dynamics of flows into, through and out of the organisation across a diverse set of fundamental variables: concepts, information, people, capital assets, cash flows, energy, customer orders and new product and process developments. Interactions between the drivers of efficiency, effectiveness, responsiveness and equity for various stakeholders are placed into a strategic management framework appropriate to the New Zealand environment.

**273.505 Organisation and Management**

Principles of management, including planning, organisation structure, decision-making, human resource management, control, and the management of change and innovation. Organisational behaviour, including motivation, communication and leadership.

**Health Sector Management**

**272.521 Health and Medical Care Organisation**

This paper reviews patterns and methods of health and medical care provision and service. It examines the structure and function of different delivery systems and integrates these with the external environment to form the basis for strategic management plans.

**272.522 Management in the Health Sector**

This paper brings together the material covered in the core subjects focused operation.

**273.523 Human Resource Management in the Health Sector**

This paper examines management in the context of organisations which employ professional staff who operate most effectively with a degree of autonomy. It considers management processes which generate maximum productivity and value from human resources.

**273.524 Special Topic in Health Management**

**Public Sector Management**

**273.531 The Public Sector**

This paper examines the reasons for and the theories behind the radical restructuring of the New Zealand public sector. It looks at the distinctive features of the public sector system (such as the separation of policy and service, purchaser - provider split, competition and contestability) and weaves these into a strategic view for the delivery of services.

**273.532 Organisation and Management in the Public Sector**

This paper examines the new organisational forms that have emerged in the restructured public sector (e.g., SOEs, LATEs etc) and their strategic response to the new environment. Topics include strategic planning, organisational structure and design, contracting out and internal charging, pricing and costing.

**273.533 Quality Management in the Public Sector**

This paper focuses on quality management in the public sector, focusing on performance management. Topics include the development of a customer focus and a quality culture, incentive contracting and remuneration systems, and the management of diversity.

**273.534 Special Topic in Public Sector Management**

**Services Sector Management**

**273.541 Service Organisations**

Frameworks for understanding how service organisations create and add value for stakeholders are established. The service profit chain is introduced as a set of key ideas which demonstrate the linkages between employee satisfaction, customer satisfaction and ultimately superior organisational performance.

**273.542 Managing for Service Quality**

An examination of how successful companies design and manage the key elements of the system that produces and delivers superior service to customers. The role of technology, human resources, quality and productivity and their interrelationships are discussed in an integrated framework.

**273.543 Managing Service Customers and the Service System**

The external customer is the focus of this paper. Integrating customer satisfaction research with service processes, the paper examines the tools and methods available to manage the service interactions, relationships and networks which help retain profitable customers and improve organisational performance.

**273.544 Special Topic in Services Management**

**Management of Science and Technology**

**273.551 Science and Technology: Context and Strategy**

This paper examines the operating environment for Government research in New Zealand and compares this to private sector research nationally and internationally. It discusses the new focus for Government research organisations in terms of performance management and client focus. Strategies to enhance returns and minimise risk from research are discussed.

**273.552 Managing Science and Technology**

Successful initiation, development, implementation and diffusion of product and process innovations requires a client focus, a commitment to quality and an understanding of the interdependence and importance of different functions within the organisation. This paper introduces systems of product and process innovation and effective methods for managing the technological process to integrate functions and reduce time from concept to "market".

**273.553 Project Management**

Effective project management relies on alignment of organisational objective of cost, timeliness and quality with those of the project. Successful projects need to be placed in the organisational context and fit both organisational and professional research objectives. Topics include project identification and demand forecast techniques, project design and planning methods, technological forecasting and evaluation techniques, capital budgeting, project control, and scheduling techniques.

**273.554 Managing Professionals**

The critical competence of any research and development organisation or section within an organisation is the knowledge of its professional research staff. This paper introduces human resource policies and practices for the innovating organisation, including the dual hierarchy, managerial careers and professional careers.

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Note: There is no guarantee that all these papers will be available to students during the current Calendar year.

Note: * Starred papers will not be taught in the current Calendar year.

† Dagged papers may not be taught during current Calendar year unless sufficient staff are available.
# Faculty of Education

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GENERAL INFORMATION

FACULTY OF EDUCATION

The Bachelor of Education (BEd) is a four year degree introduced in 1990 and taught in co-operation with the Auckland College of Education. Students would be enrolled concurrently at Auckland College of Education or would have completed in whole or in part, a three year full-time, Diploma of Teaching gained in or after 1974.

The Bachelor of Adult and Higher Education (BAHEd) is offered by the University of Auckland and taught in cooperation with the Auckland College of Education and the Auckland Institute of Technology.

The Master of Education (MEd) Degree is offered in special areas only. These are Counselling, Educational Administration, Higher and Adult Education, Maori Education, Mathematics Education, Science Education, Special Education and Reading, Writing and Language. The Department of Education should be consulted for details of programmes available in any one year.

For additional information see Faculty of Education Handbook, the Calendar of the Auckland College of Education, and Departmental Handbooks.

DEGREE COURSE REGULATIONS

THE DEGREE OF BACHELOR OF EDUCATION BEd

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations a candidate for the Degree of Bachelor of Education shall follow a course of study of not fewer than four years.

2. The course of study for the Degree shall consist of twenty-eight papers: 14 undertaken through University study and 14 undertaken as part of the Auckland College of Education’s Teaching Studies and Professional Practice.

3. Every course of study for the Degree shall include:
   (a) seven papers in the subject Education as prescribed for this Degree including three at Stage III as in Schedule A of these Regulations;
   (b) seven papers in a subject or subjects other than Education, as in Schedule B of these Regulations including at least three above Stage I and selected by the student on the advice of the Dean of the Faculty of Education and with the consent of the relevant Head of Department of the University;
   (c) Teaching Studies, to the equivalent of eleven papers of which two are at 300-level as in Schedule C(a) provided that the Principal of the Auckland College of Education may waive such compulsory parts of these requirements or modify the options available in the light of a student’s course of study. In no case shall the total value of units under Regulation 3(c) be less than the equivalent of 11 papers;
   (d) Professional Practice, to be counted as the equivalent of three papers as in Schedule C(b).

4. The course of study of each student shall be subject to the approval of the Dean of the Faculty of Education.

5. A candidate who has gained the New Zealand Certificate in Science, or any other recognised technical qualifications of comparable standard, may be credited up to a maximum of three papers, as the Senate may determine.

6. The Senate, in such exceptional circumstances as it thinks fit, may, on the advice of Dean of the Faculty of Education, approve a personal course of study which does not conform to the foregoing Regulations.

7. Schedules

Schedule A

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Any Education paper as prescribed for the Degree of Bachelor of Arts and approved by the Senate for inclusion in this Degree.

Note: 'N' prefix – taught at the Northland Polytechnic and/or the Auckland College of Education Northland Campus.

Schedule B

Either

(i) Papers from the Schedule for the Degree of Bachelor of Arts; the Schedule for the Degree of Bachelor of Science; the papers listed in Schedule B(ii)

Note: A limit may be set on the number of such papers that a student may attempt as occur in Group C and Group D of the Schedules for the Degree of Bachelor of Theology.

The Senate may approve the inclusion of papers of equivalent weighting from other degrees.

or

(ii) The following papers in Home Economics plus two papers from Schedule B (i) above:

- 615.201 Biochemistry
- 615.202 Introduction to Human Physiology
- 615.301 Endocrine and Gut Physiology (half paper)
- 615.302 Microbiology (half paper)
- 615.303 Human Nutrition
- 615.304 Community Nutrition

In any case shall the total value of units under Regulation 3(c) be less than the equivalent of 11 papers;

Professional Practice, to be counted as the equivalent of three papers as in Schedule C(b).

The course of study of each student shall be subject to the approval of the Dean of the Faculty of Education.

A candidate who has gained the New Zealand Certificate in Science, or any other recognised technical qualifications of comparable standard, may be credited up to a maximum of three papers, as the Senate may determine.

The Senate, in such exceptional circumstances as it thinks fit, may, on the advice of Dean of the Faculty of Education, approve a personal course of study which does not conform to the foregoing Regulations.
Schedule C
These subjects will be taught as units with two units at any level being deemed equivalent to one paper at that level. Progression will be from 100-level to 200-level and then 300-level units. Progression to 200-level units is dependent upon passing the appropriate 100-level prerequisite together with the compulsory Professional Practice 100-level unit and 100-level unit for Language and Reading. Progression to units at 300-level is dependent upon the passing of the appropriate 200-level prerequisites together with the compulsory Professional Practice 200-level unit.

(a) Teaching Studies
Teaching Studies, 22 units equivalent to 11 papers.

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<td>626</td>
<td>Art Education</td>
<td>631</td>
<td>Maori Culture and Language</td>
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<td>627</td>
<td>Culture Equity</td>
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<td>Mathematics Education</td>
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<td>628</td>
<td>Educational Media</td>
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<td>640</td>
<td>Integrated Studies</td>
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<td>Social Studies Education</td>
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<td>630</td>
<td>Language &amp; Reading</td>
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<td>Workshop Technology</td>
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(b) Professional Practice
Professional Practice, six units equivalent to three papers. Professional practice shall be as prescribed and programmed, on behalf of the Faculty of Education, by the Principal of the Auckland College of Education.

THE DEGREE OF BACHELOR OF ADULT AND HIGHER EDUCATION

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Degree of Bachelor of Adult and Higher Education shall before enrolment for this Degree:
   (a) have had significant work experience over a number of years in a relevant occupation as approved by the Senate; and
   (b) have satisfied the Board of Studies that the candidate will benefit from the course of studies.
2. Subject to the Admission Regulations, a candidate for this Degree shall follow a course of study of at least three years.
3. The course of study for the Degree shall consist of twenty one papers, selected from those listed in the Schedules to these Regulations with at least eleven papers at advanced level.
4. Every course of study for the Degree shall include:
   (a) seven papers in the subject Education, including those in Schedule A and other papers as prescribed for BA, one of which shall be at Stage III;
   (b) six papers from Schedule B;
   (c) four papers from Schedule C;
   (d) three papers from Schedule D;
   (e) one other paper offered for another degree at The University of Auckland.
5. The course of study of each student shall be subject to the approval of the Senate.
6. The Board of Studies shall consist of the Head of the Centre for Professional Development, AIT, or nominee, Principal of ACE, or nominee, one member of The University of Auckland, the Head of the Department of Education, and the Dean of Education.
7. The Senate, in such exceptional circumstances as it thinks fit, may on the advice of the Dean of The Faculty of Education, approve a course of study which does not conform to the foregoing Regulations.

Schedule A
Three papers from the Centre for Continuing Education, The University of Auckland.
645.100 An Introduction to Adult & Community Education
645.200 Adult Learning and Education
645.300 Social Issues in Adult Educatio
One paper from the Higher Education Research Office, The University of Auckland
645.301 Concepts of Quality in Higher Education
and three papers in the subject Education or other papers as prescribed for BA, one of which shall be at Stage III.

Schedule B
Six cooperatively taught papers from: The Higher Education Research Office, The University of Auckland; the Centre for Professional Development, Auckland Institute of Technology; and the Auckland College of Education.
645.101 How Students Learn: Implications for Practice A
645.102 How Students Learn: Implications for Practice B
645.201 Programme Design, Development and Evaluation in Tertiary Education A
645.302 Reflective Practice and Action Research in Education A
645.303 Reflective Practice and Action Research in Education B

Schedule C
Three papers from the Centre for Professional Development, Auckland Institute of Technology (AIT)
645.103 Changing Conceptions of Tertiary Educators
645.203 The Politics of Educational Reforms
Faculty of Education

645.304 Management and Leadership in Education
and one other paper as prescribed by the Chief Executive Officer of Auckland Institute of Technology.

Schedule D
Three papers from the Auckland College of Education's Advanced Diploma of Teaching
645.104 Professional Leadership in Education
645.204 The Management Role: Relationships, Resources and Accountability (Prerequisite 645.104)
645.305 Professional Development and Appraisal (Prerequisite 645.104)
and other papers as prescribed by the Principal of Auckland College of Education.

THE DEGREE OF BACHELOR OF MUSIC EDUCATION BMusEd

The Bachelor of Music Education is an Inter-Faculty offering. For detailed Regulations and Prescriptions refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

THE DEGREE OF BACHELOR OF SCIENCE EDUCATION BScEd

The Bachelor of Science Education is an Inter-Faculty offering. For detailed Regulations and Prescriptions refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

THE DEGREE OF MASTER OF EDUCATION MED

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Degree of Master of Education shall before enrolment for this Degree:
   (a) have been admitted or qualified for admission to a degree or have been awarded or qualified for the award of a University diploma, approved by the Senate, and
   (b) hold or have qualified for the award of a professional qualification in teaching, counselling, nursing, social work, or other approved profession, and
   (c) have had not less than three years practical experience in that or a related profession, and
   (d) have met, where applicable, the criteria for selection into the specialty area applied for.
2. The personal course of study of every candidate must be approved by the Head of the Department of Education. A candidate for the Degree of Master of Education shall follow one of the special courses of study in the Schedule.
3. A candidate for this Degree shall follow a course of study that may extend over one year or more but, except with the special permission of the Senate, shall not exceed four years in duration.
4. A candidate shall be required to fulfil the requirements and pass the examinations for the papers and a thesis or dissertation or folio of casework prescribed.
5. A candidate for this Degree may not
   (a) substitute a paper or papers for any paper in which the candidate has already been examined for this Degree;
   (b) resit any paper for this Degree except as provided in Regulation 11.
6. A candidate for this Degree must include one Stage III paper or one Masters paper in a subject other than Education, unless the Head of Department waives this requirement. The choice of paper will require the Head of Department's approval. A further paper from that or another subject may, with the approval of the Head of Department, be included provided it is at Masters level.
7. No candidate shall take for this Degree any paper the same as or substantially equivalent to any other paper passed or being taken and obtain credit for both.
8. No candidate may be awarded the Degree of Master of Education if he or she has been awarded a Degree of Master of Arts in Education at this University, except with the permission of the Senate.
9. No candidate who has previously failed this Degree shall enrol a second time without the permission of the Senate.

Thesis/Folio of Casework/Dissertation
10. Where a thesis or folio of casework or dissertation is required, the following conditions shall apply:
   (a) The thesis or folio of casework or dissertation shall embody the results obtained by the candidate in an investigation relating to some aspect of Education.
   (b) The candidate shall present the thesis or folio of casework or dissertation in the year prescribed in the Schedule.
   (c) The candidate shall submit the thesis or folio of casework or dissertation to the Registrar by 1 November of the academic year in which it is presented or at a subsequent date within that academic year if so arranged with the Head of the Department of Education. The Registrar shall deliver the thesis or folio of casework or dissertation to the Head of the Department of Education. An abstract is to be submitted with each copy of a thesis or folio of casework or dissertation (Exam Regulation 15).
   (d) If the Examiner with the concurrence of the Assessor so recommends, a thesis or folio of casework or dissertation which is not considered satisfactory shall be returned to the candidate, who may be permitted to revise it and to resubmit it by a later date specified by the examiner and approved by the Senate.

Honours
11. (a) There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions, First Division and Second Division.
   (b) Honours shall be awarded only if a candidate obtains a sufficient standard in the papers taken and in the thesis or folio of casework or dissertation at its first presentation, provided that, subject to sub-clause (c) of this Regulation, a candidate who qualifies for an aegrotat or compassionate pass may retain eligibility for Honours by applying:
      (i) for an aegrotat or compassionate pass in papers not in excess of the number permitted to a candidate for Honours under the Examination Regulations, or
      (ii) to sit or resit in the year following all the papers affected, or
      (iii) for a pass or passes under (i) and to sit or resit the remainder as in (ii) above.
12. The Senate may in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations or to the Schedule below.

**SCHEDULE**

**Requirements:**

(i) Four papers and a thesis (14.621) which counts as three papers, or
(ii) For MEd (Counselling) four papers and a folio of casework (14.626) in the area of counselling which counts as three papers, or
(iii) Six papers and a dissertation (14.624) which counts as one paper, or
(iv) In exceptional circumstances the Head of the Department of Education may permit a candidate who has enrolled for a thesis or dissertation a folio of casework to complete the MEd as seven papers.

**Students shall follow a course in one of the following special areas in accordance with the requirements above:**

Note: As some papers, and specialty areas, have limited entry, students must refer to Enrolment Limitations section of the Calendar.

**Compulsory papers:**

(a) **Educational Administration**
   14.451 School and Organisational Effectiveness
   14.452 Theory and Process in Educational Administration

(b) **Counselling**
   14.461 Principles of Counselling and Consultation
   14.463 Professional Issues in Counselling

(c) **Higher & Adult Education**
   14.454 A Critical Approach to Higher and Adult Education, and either
   14.455 Teaching and Learning in Higher Education, or
   14.456 Adult Education and Development

(d) **Maori Education**
   14.424 Kaupapa Kura: Maori Education Policy Development and Practice
   and either
   14.423 Kaupapa Maori: Te Reo Maori I Waenganui I Te Ao Pakeha, or
   14.437 Tikanga Rangahau: Maori Perspectives on Research in Education

Note: Maori Studies papers 04.401 Ethnicity, and 04.402 Maori Manuscripts may be taken as Education papers with the permission of the Head of Department, Education.

(e) **Mathematics Education**
   14.428 The Psychology of Mathematics Education
   14.457 Mathematics Education in Change

(f) **Reading, Writing and Language**
   14.439 Methods of Psychological Inquiry in Literacy Research
   14.464 Psychological Issues in Literacy
   and either
   14.406 Educational Psychology, or
   14.407 Developmental Psychology, or
   14.429 The Reading Process: An Advanced Study

(g) **Science Education**
   14.421 Perspectives on Science Education
   14.450 Curriculum Design and Development in Science

(h) **Special Education**
   14.413 Special Education
   14.460 Programme Issues in Special Education

The remaining papers in each of the special areas shall be selected from:

(ii) 14.450 to 14.465.
(iii) Papers in other subjects under Regulation 6.

Note: Not all papers in the 14.45x - 14.46x range may be offered in any one year. Prospective candidates should consult with the Department on the availability of particular papers. A full time student will normally attempt four papers in the first year.

A candidate may, with the consent of the Head of Department, be permitted to present three or two papers in the first year. In that case a student including four papers in the degree must attempt the other paper or papers in the year next following and a student including six papers in the degree must attempt two or three papers in the second year and any remaining paper or papers in the third year.

A candidate intending to present a folio of casework will be required to have passed 14.461 and 14.463 and to submit their folio in the year after which papers have been completed. Refer Regulation 10 of these regulations for the deadline for submitting a thesis or dissertation.

Note: In considering applications to attempt two or three papers only in the first year, the Head of the Department of Education may take into account the extent of a student's employment or other responsibilities outside the University.

**THE DEGREE DOCTOR OF EDUCATION EdD**

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

**General Provisions:**

1. Except as provided in the Admissions Regulations, a candidate for the Degree of Doctor of Education shall hold:
(a) a Master of Education Degree with First Class or Second Class Honours Division I of this University, or
(b) a Master of Arts in Education with First Class or Second Class Honours Division I of this University, or
(c) an equivalent qualification approved by the Senate,
AND have after completion of a first degree gained at least five years' experience in education or in a comparable and related area approved by the Senate.

2. A candidate shall complete a coherent course of study approved by the Senate. The course of study for the degree shall consist of two parts:

**Part I**

four papers selected from those listed in the schedule;

**Part II**

Either a thesis (14.612), involving an original contribution to the field of study which counts as eight papers, OR a practicum in Counselling or Educational Psychology (14.613), which counts as four papers, and a thesis (14.614), involving an original contribution to the field of study which counts as four papers.

3. (a) The Senate having received a recommendation from the Dean of Education shall determine whether the candidate may be registered and the date and conditions of registration.

(b) The recommendation for registration shall include:
   (i) the proposed date of registration;
   (ii) the name of a supervisor or supervisors from members of the academic staff of The University of Auckland;
   (iii) satisfactory evidence of the candidate's training and ability to pursue the proposed course of study;
   (iv) a submission by the candidate, recommended by the Head of the Department of Education, comprising a description of the papers for the coursework requirements of this degree, and a nominated area of specialisation indicating thesis topic area sufficient in detail to enable the coursework to be structured.

(c) Senate may be unable to accept an application for registration from a qualified candidate if appropriate supervision and resources are not available.

4. After being registered as a candidate for the Degree of Doctor of Education the candidate shall pursue a course of advanced coursework and research at the University to the satisfaction of the Head of the Department and the Supervisor(s) for a period of at least three calendar years from the date of registration, to a maximum of seven years, during which he or she shall work at the advanced coursework and research full-time or part-time under the supervision of a teacher in the University. Part I must be completed before enrolment for Part II.

5. Subject to the approval of the Senate, a candidate for this Degree may include up to one Masters paper in a subject other than Education.

6. No candidate shall take for this Degree any paper the same as or substantially equivalent to any other paper passed or being taken and obtain credit for both.

7. During Part II of this degree, the Supervisor shall submit to the Senate, through the Head of Department, a brief report on the candidate's progress of the research component at the end of each year. A candidate's registration may be terminated by the Senate if an unfavourable report is received.

8. Upon the completion of Part I and Part II a candidate having fulfilled the conditions required by these Regulations shall submit three bound copies of the thesis to the Registrar embodying the results of his or her research which shall be retained by the University.

9. Having accepted the candidates's thesis the Senate shall, upon the recommendation of the Head of Department, appoint as examiners:
   (a) the supervisor(s);
   (b) one person who shall be a member of staff of another University, normally within New Zealand, and who shall be convenor, and
   (c) one person who shall be resident outside New Zealand.

10. A copy of the thesis shall be submitted to each examiner who shall report independently on the quality of the work.

11. The reports of the examiners
   (a) shall be submitted to the convenor;
   (b) The convenor shall place the reports of the examiners before the Senate with a recommendation as to whether the thesis should be credited to the Degree. The convenor may recommend that a thesis may be revised by the candidate for re-submission on one further occasion only.

12. For the award of the degree, a candidate must pass separately both Part I and Part II. A pass shall be awarded in Part I on completion of the four papers with a grade point average of no less than B. A pass shall be awarded in Part II following successful examination of the thesis, and if there is one of the practicum.

13. Senate may, in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing regulations.

**Course Structure**

The degree shall have two parts, Part I the coursework, and Part II the thesis.

**Part I** shall consist of supervised coursework equivalent to four papers in which course requirement and achievement must be at an advanced level. One of these papers may be taken outside the subject Education. Papers for Part I shall be selected from the Schedule.

**Part II**, the thesis, shall enable the candidate to demonstrate significant capabilities in research in an area of educational practice. For the areas of Counselling or Educational Psychology a candidate may pursue Part II as a practicum and thesis.

**PART I: Schedule**

Requirements:
(i) Four papers and a thesis (14.612) which counts as eight papers;
(ii) Four papers and a practicum (14.613) which counts as four papers and a thesis (14.614) which counts as four papers.

The papers shall be selected from:
(i) 14.627-14.638
(ii) Papers in subjects other than Education under Regulation 5.
The purpose of this paper is to introduce students to a critical study of adult education, "adult" learning theories; how, why, and what adults learn; a critical examination of agencies involved in providing adult and community education.

**645.300 Social Issues in Adult Education**

This paper critically evaluates current issues in adult/community education both in New Zealand and internationally. Initially the course will focus on topics related to the social, political, and cultural contexts of adult education. Subsequently students will be encouraged to explore issues related to their own interests.

**645.301 Concepts of Quality in Higher Education**

The aim of this paper is to introduce students to different notions of "quality" in higher education, and the ways in which these notions are translated into practical procedures. Topics to be covered will include: Concepts of Quality; Quality Audit and Assessment; Performance indicators; Assessment of Teaching and Research; International Perspectives.

**Schedule B**

645.101 How Students Learn: Implications for Practice A
645.102 How Students Learn: Implications for Practice B

The two linked papers offered at Year one will be: Students Learning in Higher and Adult Education; Teaching Design and Development.

The first paper (A) will focus on research into how students learn in Adult and Higher Education. Theories of adult learning will be introduced, together with interpretive research approaches to ways in which learning environments affect student's learning strategies. In particular the notion of "deep" and "surface" approaches (together with associated concepts) will be described and critiqued. Participants will be encouraged to examine their own approaches to learning and the ways in which educational contexts affect these.

The second paper (B) builds upon the first, and focuses upon how teaching and learning environments can be designed to enhance appropriate student learning outcomes. It will examine and critique a variety of teaching methods and approaches, including: "Conventional" approaches, problem-based courses, experiential learning, project-based courses etc. In particular the course itself will serve as an object for reflection and critique. In general these two papers will provide a focus for developing a greater understanding of the ways in which adult students learn in formal and non-formal settings, and how educational environments can influence that learning.

645.201 Programme Design, Development and Evaluation in Tertiary Education A

The aims of these two linked papers are: To introduce participants to some of the basic concepts, theories and approaches associated with course and curriculum design; To introduce students to concepts associated with evaluation of teaching, courses and programmes - and give them some experience of designing and carrying out evaluation activities. The first half-year paper (A) will introduce students to three paradigms which may underpin programme design: the positivist (curriculum as objective knowledge), the interpretive (curriculum as multiple realities), the critical (curriculum as political action). There will be a particular emphasis on the critical paradigm in critiquing ideologies that are implied by current policies in tertiary education. The second half-year paper (B) will extend the concepts developed in the initial paper to the evaluation of programmes. As well as addressing the technical aspects of the evaluation of educational programmes, there will be an emphasis on the values and interests that are embedded in different evaluation approaches.

645.302 Reflective Practice & Action Research in Education A
645.303 Reflective Practice & Action Research in Education B

The aims of these two linked papers are: To introduce the concept of the reflective practitioner and link this with notions of Action...
Research; To develop the idea of the “teacher as researcher” and acquaint students with some of the basic paradigms, approaches and tools of educational research. The first half-year paper (A) will explore some of the constructions of “the teacher” and out of this discuss the concept of teacher as “transformative intellectual.” Action Research will be discussed as an approach via which reflective practice might be operationalised. The second half-year paper (B) will link with the three paradigms (positivist, interpretive and critical) addressed in Year 2, and extend the framework from evaluation to research (and praxis) more generally. Students will be required to engage in an Action Research project and reflect critically upon the process.

Schedule C

645.103 Changing Conceptional of Tertiary Educators
Tertiary educators typically explain their pedagogy in terms of grounded theorising (i.e., 'craft' knowledge or a 'knowing-in-practice'). Grounded theory has been often been criticised for its limits in the usefulness as a foundation for making decisions in modern educational environments. A more theoretical approach is needed.

The aims of this paper are to examine liberal, neo-liberal and critical notions in the development of tertiary education in universities and polytechnics; and to compare and contrast liberal and critical pedagogy in some of the legal, cultural and political perspectives that have informed the development of tertiary education in the New Zealand context. Some important areas for examination are: the theories of education and their implication for styles of teaching; how these theories and styles translate into policies of training and practice; and the move towards managerialism in education including metaphors such as "teacher as manager", "managing the curriculum", "people manager", "expert teacher" etc.

645.203 The Politics of Educational Reforms
The aims of this paper are to introduce a critical perspective on some important issues in the politics of education; and to enable participants to develop knowledge and understanding of the political, social, economic and historical forces that help shape educational reform in the tertiary sector. Some of the major national and international elements that influence the structure of the current educational environment include: the recent restructuring of capital; information technology; The international demand for standardisation; The New Zealand Qualifications Authority (NZQA); The Government's Industry Training Strategy; Education Training Support Agency (ETSA); Employment Contracts Act (1991); Industry Training Act (1992); Workplace Reform Strategies; Public Sector reforms; Educational funding.

645.304 Management and Leadership in Education
The aim of this paper is to introduce a critical approach to some influential concepts and theories about management and leadership in education. The paper will introduce a critique of the concerns and theoretical bases underlying the major historical paradigms of curriculum management: scientific and administrative management, humanistic management, and individual science approaches. Current approaches will be addressed: strategic management of resources, collaborative management, and the 'New Public Management'. Evaluation of approaches to management will be addressed explicitly through investigations, case studies, and critique of a project. Possibilities for course content include: 'the management of democracy'; secrecy and openness in decision making; performance indicators; staff appraisal; promotion systems; entrepreneurial activities; the 'hidden' organisation; privatisation of education; management education.

Schedule D

645.104 Professional Leadership in Education
Prerequisite: Experience in education management
The aim of this paper is to develop knowledge and skill related to effective professional leadership in education. This paper develops the theme of professional leadership in a New Zealand educational setting. Organisational theory in relation to educational institutions is studied on the grounds that knowledge of organisational theory can be an aid to solving organisational problems. The nature of effective professional leadership, including professional leadership concepts, styles, roles and skill are studied in relation to management of New Zealand schools. Practical skills of educational leadership are developed such as goal setting, decision-making, problem solving, team building, communication and conflict resolution.

645.204 The Management Role: Relationships, Resources and Accountability
(Prerequisite 645.104)
The aim of this paper is to develop education management knowledge and skill related to managing relationships, resources and accountability. This paper deals with the management role terms of practical relationships which exist within schools and between schools and their communities. The structures of Board of Trustees, the goals embodied in the charters, policies, strategic planning processes and outcomes are studied. A major focus is on the management of the human, physical and financial resources to achieve the goals including managing, accountability and the practical processes of evaluation and review, appraisal and reporting.

645.305 Professional Development and Appraisal
(Prerequisite 645.104)
The aim of this paper is to develop knowledge and skill to manage effectively professional development and appraisal programmes in a school or early childhood education centre. This paper is designed to assist those involved in organising and/or providing staff development in schools. Current issues of staff development and appraisal will be considered in detail within the broader context of school development, accountability and excellence in teaching and learning.
education from a number of theoretical perspectives.

14.455 Teaching and Learning in Higher Education
A critical examination of research material in higher education and the implications for teaching and curriculum development.

*14.456 Adult Education and Development
A critical examination of philosophical, psychological and sociological literature relating to adult education.

14.457 Mathematics Education in Change
A critical examination of theories and recent writing on the way in which mathematics is conceived and communicated, and how this has changed through time and across cultures.

14.458 History, Philosophy and Science Teaching
An examination of the connections between science teaching and the history, philosophy and sociology of science.

14.460 Programme Issues in Special Education
This advanced applied course complements and extends the content of the existing theoretical paper in Special Education (14.413). The course will focus primarily on issues surrounding the assessment of, and programme development for, children with sensory, intellectual, academic, or socio-emotional disabilities.

14.461 Principles of Counselling and Consultation
Prerequisite: 14.305, 14.306 or an equivalent will normally be a prerequisite for this paper plus approved work experience in counselling and access to an appropriate fieldwork setting.

An advanced examination of principles of counselling and consultation, together with practical experience in selected procedures.

Restriction: This paper is not available to students who completed 14.410 prior to 1994.

14.462 Marriage and Family Counselling
Prerequisite: 14.306 or its equivalent will normally be a prerequisite for this paper.

An advanced examination of counselling principles as applied to stresses arising within the marital and family relationships.

Restriction: This paper is not available to students who completed 14.418 prior to 1994.

Note: In 1995 this paper will be taught in full-time hours and in 1996 part-time hours.

14.463 Professional Issues in Counselling
An examination of significant professional issues in counselling, including supervision, research, ethics and accountability, professional identity and institutional leadership.

14.464 Psychological Issues in Literacy
A critical examination of selected issues in reading, writing and language education from a number of theoretical perspectives.

14.465 Assessment and Evaluation in Science Education
This course provides an introduction to the principles and procedures of science curriculum evaluation and a critical analysis of the purposes, strategies and methods of assessment in school science.

Restriction: This paper is not available to students who have completed 14.551 under the Diploma in Science Education regulations.

14.466 Advanced Feminist Research in Education
An examination of selected approaches to advanced counselling, with application to clientele with whom students are working.

14.467 Advanced Sociology of Education
A supervised reading and research paper which focuses on contemporary feminist theory and its applications to educational settings.

14.468 Advanced Research Methodologies
A study of special educational and other provisions for exceptional children and adults, including an intensive analysis of early intervention programmes and provisions for children and adults with intellectual disability.

14.469 Advanced Educational Psychology
An advanced study of the behaviour of normal children, with special reference to learning, motivation, and cognition.

14.470 Advanced Sociology of Education
A study of a selected topic in sociology of education.

14.471 Selected Topic in Maori Education
14.472 Advanced Counselling - Principles and Practice
An examination of selected approaches to advanced counselling, with application to clientele with whom students are working.

14.473 Professional Leadership in Counselling
An examination of principles and procedures associated with providing professional leadership in counselling - with specific reference to issues of training, supervision and the development of counselling services.

14.474 Transference Processes in Educational Settings
The course will study psychodynamic concepts dealing with transference and countertransference in the pedagogic situation.

14.475 Advanced Feminist Research in Education
A supervised reading and research paper which focuses on contemporary feminist theory and its applications to educational settings.

14.476 Advanced Research Methodologies
A detailed study of a selected research methodology.

14.477 Special Topic
14.478 Special Education
A study of special educational and other provisions for exceptional children and adults, including an intensive analysis of early intervention programmes and provisions for children and adults with intellectual disability.

14.479 Dissertation
(Value eight papers)

14.480 Practicum
(Value four papers)

14.481 Dissertation
(Value four papers)

Note: * Starred papers will not be taught during the current Calendar year
† Daggered papers will not be taught during the current Calendar year unless sufficient staff are available
ο taught in odd numbered years
θ taught in even numbered years
'N' prefix - taught at Northland Polytechnic
'E' prefix - taught at Auckland College of Education

DIPLOMA COURSE REGULATIONS

DIPLOMA IN COUNSELLING DipCouns

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations a candidate for the Diploma in Counselling shall before his or her enrolment for this Diploma:

(a) have been awarded or qualified for the award of a degree of a university in New Zealand, or qualified for the award of a university diploma approved by Senate, or hold an appropriate qualification in teaching, counselling, nursing, social work or other professional qualification approved by Senate; and

14.626 Folio of Casework
Prerequisites: 14.461 and 14.463, or their equivalent, will be prerequisites for 14.626
(Value 3 papers)

14.624 Dissertation
(Value 1 paper)
DIPLOMA IN EDUCATIONAL PSYCHOLOGY DipEdPsych

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions:

1. Subject to the Admission Regulations a candidate for the Diploma in Educational Psychology shall before enrolment for this Diploma:
   (a) have been admitted or have qualified for admission to a Bachelor's Degree; and
   (b) have passed at least two of the following papers in Education as prescribed for the Masters of Arts Degree:
      14.406 Educational Psychology;
      14.407 Developmental Psychology;
      14.412 Behaviour analysis in Education;
      14.413 Special Education;
      or equivalent papers as approved by the Senate;
      and the following papers in Education as prescribed for the Master of Education Degree:
      14.460 Programme Issues in Special Education; and
      14.461 Principles of Counselling and Consultation;
      and may complete other papers from the Master of Arts Degree or the Master of Education Degree Schedules in consultation, and with approval of, the Head of the Department of Education; or equivalent papers as approved by Senate.
   (c) have passed at least five papers in Education (including at least 14.211 or 14.309, 14.308, 14.311 and 14.203 or 14.320) and five papers in Psychology or equivalent papers as approved by the Senate.
   (d) the Senate must be satisfied that the candidate is likely to benefit from the training provided by the course for this Diploma.

2. A candidate for this programme shall follow a course of study of not less than two years' full-time study, not more than four years' full time or five years part-time; provided that the latter periods may with the permission of the Senate be extended in exceptional circumstances.

3. The course of study for the Diploma shall consist of two Parts:

Part I

Satisfactory participation in, and completion of, each of the following papers:
16.501 Introduction to Professional Practice for Educational Psychologists;
16.502 Casework: Child, Family and Community; and
16.503 Casework: School and Community; or equivalent papers as approved by the Head of the Department of Education.

Note: Satisfactory completion of Part I under Regulations prior to the 1995 Calendar will be taken as satisfactory completion of 16.501, 16.502, and 16.503.

Part II

(a) Satisfactory supervised participation in the work of approved psychological, special educational, and social work services, and in seminars on case work and professional practice (16.600).
(b) A comprehensive oral examination covering the work of the whole course (16.601).

4. (a) A candidate shall be required to pass each paper or section of each part of the Diploma.
(b) A candidate who has not passed a section of Part I may, with the permission of the Head of Department, take that section concurrently with work in Part II, in the second year.
(c) A candidate shall not be permitted to resubmit case work and professional practice material (16.600) nor to resit the oral examination (16.601), more than once.
5. A candidate shall be required to have completed a Master’s Degree or an equivalent qualification including a dissertation or thesis component with substantial psychological content, and all other prerequisites before the DipEdPsych may be awarded.

6. (a) The Diploma may be awarded with Honours.
   (b) A candidate for Honours shall be required, after completing the requirements of Part I and II, to submit a Dissertation (16.604) reporting an advanced study of one of the following types, as approved by the Head of Department:
      (i) a survey of the literature bearing on a topic relevant to clinical or professional practice; or
      (ii) an original or replication research study; or
      (iii) an evaluation of a clinical procedure.
   (c) The Dissertation shall be:
      (i) submitted within three years of the year in which the candidate completes Part II; and
      (ii) delivered to the Registrar by 1 November, or later date approved by the Head of Department, of the year in which it is submitted.
   (d) Honours shall be awarded upon the results of the Dissertation but if the Dissertation is not of sufficient standard the Diploma shall be awarded to the candidate without Honours.

7. Under exceptional circumstances the Senate may grant exemption from any of the requirements under Regulations 1, 2, 3, 4 and 5.

DIPLOMA IN EDUCATIONAL STUDIES DipEdStud

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations, a candidate for the Diploma in Educational Studies shall before enrolment for this diploma:
   (a) have been awarded a Bachelors Degree other than BEd OR have been awarded a Diploma of Teaching prior to 1992; AND
   (b) have had not less than five years of teaching experience; AND
   (c) have attained a level of competence to the satisfaction of the Board of Studies sufficient to perform satisfactorily in each paper chosen for the Diploma.

2. A candidate shall be required to pursue a course of study consisting of two parts for a period of not less than two years and except with the approval of the Senate, shall complete the requirements within four years of first enrolment for the Diploma. Part I must be completed before enrolling for Part II.

Part I

Four papers selected, with the approval of the Board of Studies, from group (a) and group (b). Two papers must be selected from each group;
   (a) papers taught by the Auckland College of Education either
      (i) at level 3 from the Schedule of Teaching Studies papers; or
      (ii) at level C from the Schedule of Higher and Advanced Diploma papers.
   (b) Stage II listed Education papers as presented for the BA Degree.

Part II

Three papers selected with the approval of the Board of Studies from group (a) and group (b). Only one paper may be selected from (a).
   (a) papers taught by Auckland College of Education at level C from the Schedule of Higher and Advanced Diploma papers.
   (b) Stage III Education papers as prescribed for the BA Degree.

3. A candidate for this Diploma who has been credited for another Degree or Diploma with any paper the same as or similar to that prescribed under Regulation 2 of this Diploma shall substitute for each paper so credited such additional paper or papers as the Board of Studies may approve.

4. Notwithstanding the provision of Enrolment and Course (General) Regulations 10, a candidate shall be permitted to cross-credit to this Diploma no more than the equivalent of one Part I paper.

5. The Senate may, in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

6. The membership of the Board of Studies shall be Dean of Education or nominee, the Principal of the Auckland College of Education or nominee, and two members of the Faculty of Education Board.

7. These Regulations shall come into force on 1 January 1995.

DIPLOMA IN MATHEMATICS EDUCATION DipMathsEd

The Diploma in Mathematics Education is an Inter-Faculty offering. For detailed Regulations and Prescriptions refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

DIPLOMA IN SCIENCE EDUCATION DipSciEd

The Diploma in Science Education is an Inter-Faculty offering. For detailed Regulations and Prescriptions refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

DIPLOMA IN SPECIAL EDUCATION DipSpecEd

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their course of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General provisions

1. Subject to the Admission Regulations, a candidate for the Diploma in Special Education shall before enrolment for this diploma:
(a) have been admitted or have qualified for admission to a degree at a university in New Zealand, or
(b) have been awarded or qualified for the award of a University diploma approved by the Senate, or
(c) hold an appropriate qualification in teaching, nursing or other professional qualification approved by the Senate, or
(d) have attained a high level of practical experience in the teaching profession approved by the Senate
and (i) have had not less than three years of teaching experience;
   (ii) have attained a level of competence to the satisfaction of the Head of the Department of Education sufficient to perform satisfactorily in each paper chosen for the Diploma.

Note: An interview will normally be required under l(d)(ii).

2. A candidate shall be required to pursue a course of study for a period of not less than two years and except with the approval of the Senate, shall complete the requirements within four years of first enrolment for the Diploma.

3. A candidate for this Diploma who has been credited for another Degree or Diploma with any paper the same as or similar to that prescribed under Regulation 4 of this Diploma shall substitute for each paper so credited such additional paper or papers as the Head of the Department of Education may approve.

4. A candidate shall be required to pursue a course of study consisting of two parts. Neither of these parts constitutes a full-time course of study.

**PART I**

**PART II**

5. A candidate must complete Part I before commencing Part II.
   The Research Topic (14.572) will normally be submitted in the final year.

6. A candidate shall be required to pass each paper of Part I and Part II.

7. The Senate may in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

8. These Regulations shall come into force on 1 January, 1993.

**DIPLOMA COURSE PRESCRIPTIONS**

**DipMathsEd**
The Diploma in Mathematics Education is an Inter-Faculty offering. For detailed Regulations and Prescriptions refer to the Inter-Faculty section of this Calendar.

**DipSciEd**
The Diploma in Science Education is an Inter-Faculty offering. For detailed Regulations and Prescriptions refer to the Inter-Faculty section of this Calendar.

**DipSpecEd**
**14.571 Curriculum Development in Special Education**

**14.572 Research Topic in Special Education**
This paper will provide an introduction to research methods and procedures in special education. The major component of the course will be an empirical study of some aspect of special education for children with disabilities. Students will be required to plan a study, to gather and analyse the research data, and to undertake, and write a report of their findings. This report will be of approximately journal article length, and will be required to be of publishable or near publishable standard.

**14.573 Folio of Casework**
Students will be required to plan, execute, and report fully on fieldwork involving a series of three case-studies, each of which examines a particular individualised teaching programme for a child with disabilities. Students will be encouraged to focus their case-studies on one particular curriculum area. Each case-study report should provide a basis for evaluating the particular teaching programme which has been developed and implemented, and should contain fully documented sections dealing with:
(a) the particular child's developmental status and learning needs in the curriculum area prior to the onset of the teaching programme;
(b) a detailed description of the teaching programme;
(c) a description of the involvement of parents and other professionals in the development and implementation of the programme; and
(d) an analysis of the progress made by the child concerned.
## Faculty of Engineering

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Faculty of Engineering

GENERAL INFORMATION
FACULTY OF ENGINEERING

Bachelor of Engineering (BE)
The Faculty of Engineering offers one undergraduate qualification, the Bachelor of Engineering Degree, which is of four years duration. It is awarded with or without Honours depending on the standard achieved. Within the Faculty there are five departments: Chemical and Materials Engineering, Civil and Resource Engineering, Electrical and Electronic Engineering, Engineering Science and Mechanical Engineering. Between them these departments offer seven different specialised courses for the BE degree, designed to satisfy the diverse engineering needs of New Zealand. The first year of each course is common to all engineering disciplines; in later years there is more specialisation and the subject matter becomes specific to one degree course only.

The BE degree courses are accredited by the Institution of Professional Engineers New Zealand (IPENZ) and by a number of overseas professional engineering societies. This requires that they are regularly monitored by IPENZ members and by overseas representatives. Because the courses are accredited, graduates can eventually qualify to become professional members of these societies.

Master of Engineering (ME)
In addition to the Bachelor of Engineering Degree the Faculty offers the Degree of Master of Engineering. Students taking the ME Degree usually take three papers and write a research thesis which has the weight of five papers. An alternative, often preferred by students who are not progressing straight from a BE Degree, is to take eight papers which may include one or more projects. There are also opportunities for students with a good degree in the physical sciences to enrol for a Master of Philosophy Degree in an engineering discipline.

Diploma in Geothermal Energy Technology
Certificate in Geothermal Energy Technology
Diploma in Pulp and Paper Technology
These postgraduate diplomas and certificate are offered to small groups of students who satisfy the entry requirements of the relevant Boards of Studies. The Geothermal Energy Technology courses are organised and taught by the Geothermal Institute of the University of Auckland which is part of the Faculty of Engineering. The Diploma in Pulp and Paper Technology is organised and taught in conjunction with the Pulp and Paper Research Organisation of New Zealand.

Doctor of Philosophy (PhD)
All Departments undertake graduate teaching of the research degree of Doctor of Philosophy (PhD) in accordance with the regulations of the University.

DEGREE COURSE REGULATIONS

THE DEGREE OF BACHELOR OF ENGINEERING BE

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their course of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. (a) Subject to the Admission Regulations and except as otherwise provided in these Regulations, a candidate for the Degree of Bachelor of Engineering shall be required to:
   (i) pursue a course of study of not less than four years, and
   (ii) pass the four Examinations, and
   (iii) perform Practical Work to the satisfaction of the Faculty of Engineering, and
   (iv) perform Laboratory and Field Work to the satisfaction of the Faculty of Engineering.

   (b) Except as otherwise provided in this paragraph, a candidate shall be required to pass as a whole each of the four Examinations (including an Examination under Regulation 4); so that the candidate's performance in all subjects of the Examination shall be taken into consideration. A candidate who has failed to pass any Examination as a whole may, at the discretion of the Senate, be credited with a paper or papers forming part of the Examination; and may in a subsequent year take the remaining papers of that Examination together (subject to Regulation 8) with such papers of the succeeding Examination, if any, as the Senate may permit. The candidate shall then be required to pass a composite Examination under the same conditions as those in this paragraph.

Honours
2. The Degree of Bachelor of Engineering may be awarded with or without Honours according to the standard of the candidate's work. There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded in either First Division or Second Division.

Concessions
3. The Senate may exempt from the First Examination a candidate:
   (i) who has reached a satisfactory standard in the Universities Bursaries Examination if the subjects the candidate has taken include Chemistry, Physics, Mathematics with Calculus and Mathematics with Statistics; or
   (ii) who has reached an exceptional standard in the Universities Bursaries Examination if the subjects the candidate has taken include three of the subjects Chemistry, Physics, Mathematics with Calculus and Mathematics with Statistics; or
   (iii) who has passed for the Degree of Bachelor of Science not less than 42 credits or its equivalent in any other course of study and attained a satisfactory standard.

4. A candidate for this Degree who:
   (i) has qualified for the award of the Degree of Bachelor of Science; or
(ii) has completed within two years the examination requirements for the award of the Degree of Bachelor of Science; or
(iii) was permitted to enrol for Stage II or Stage III papers in a subject without first presenting that subject at Stage I and who, if the Stage I papers not taken were included, would have qualified within two years for the Degree of Bachelor of Science; shall be required to pursue a course of study for a period of not less than two years in such papers for the degree as the Senate may prescribe and to pass Examinations in each year in the papers so prescribed for that year, and the following provisions shall apply:
(a) All papers of the Fourth Examination shall be included in the candidate’s course of study but none such in the first year;
(b) the candidate shall be exempt from the papers of the First Examination and from such other papers of the degree as are not prescribed under this Regulation.

Prerequisites

5. A candidate who has by examination qualified with merit for the New Zealand Certificate in Engineering and who has completed all the requirements for the award of that Certificate, may be exempted by the Senate from the First and Second Examinations or from such papers of those examinations as the Senate thinks fit.

Note: Candidates who have obtained a B pass average on the papers of Stages 3, 4 and 5 of the Certificate can normally expect to be exempted all the papers of the First and Second Examinations.

Practical Work

6. A candidate shall not be admitted to the Degree unless the Registrar has received from the Dean of the Faculty of Engineering a certificate that the candidate has complied with the requirements of the Faculty as to Laboratory and Field Work.

Laboratory and Field Work

7. A candidate shall not be admitted to the Degree unless the Registrar has received from the Dean of the Faculty of Engineering a certificate that the candidate has complied with the requirements of the Faculty as to Laboratory and Field Work.

Elective Papers

9. (a) The First Examination and the Fourth Examination shall include elective papers where specified in Regulation 12.
(b) A candidate’s choice of elective papers shall require approval by the Senate.
(c) A student who wishes to take an elective paper involving algebra should enrol in 26.151, 26.152 and one other elective paper instead of 26.141 and two elective papers.

Note: Approval of a candidate’s choice of elective papers will generally depend on the compatibility of the chosen papers with the candidate’s personal aptitudes and interests, their mutual compatibility and the coherence of the proposed course as a whole. There should be no timetable conflict in the proposed course.

Approval of Courses

10. (a) The personal course of study of every candidate shall require the approval of the Senate.
(b) The Senate may delegate to the Faculty the power to approve personal courses of study and also the discretionary powers conferred in Regulations 3, 4, 5 and 9 of these Regulations.
(c) The Senate may in such special circumstances as it thinks fit approve a personal course of study which does not conform to these Regulations.

Degree Courses

11. The candidate shall follow one of the following degree courses:
   Chemical and Materials Engineering
   Civil Engineering
   Electrical and Electronic Engineering
   Engineering Science
   Mechanical Engineering
   Metallurgical and Materials Engineering
   Mining Engineering

Papers

12. The papers for this Degree are:

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<tr>
<td>50.002 Introduction to Computing for Engineers</td>
<td>08.121 Inorganic and Physical Chemistry</td>
<td>31.114 Measurement and Instrumentation for Engineering</td>
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<td>31.144 Physics for Engineering</td>
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<td>50.001 Engineering Mechanics and Design</td>
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<td>Two approved papers from another</td>
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<td>University course or courses</td>
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</tbody>
</table>

Other Examinations

Chemical and Materials Engineering

Second Examination

| 51.116 Process Thermodynamics I                             | 50.111 Engineering Design                            | 50.101 General Studies I                       |
| 51.121 Materials I                                          | 51.115 Fluid Mechanics                               | 51.117 Process Thermodynamics II               |

Faculty of Engineering
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<td>51.232 Process Analysis and Synthesis</td>
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<td>54.211 Engineering Mathematics II</td>
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<td><strong>Fourth Examination</strong></td>
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<td>50.201 General Studies II</td>
<td>51.322 Materials IIIA</td>
<td>51.314 Particulate Technology</td>
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<td>51.311 Process Control</td>
<td>51.335 Equipment and Process Design</td>
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<td><strong>Civil Engineering</strong></td>
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<tr>
<td><strong>Second Examination</strong></td>
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<tr>
<td>52.121 Fluid Mechanics I</td>
<td>50.111 Engineering Design</td>
<td>50.101 General Studies I</td>
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<td>52.131 Introductory Geology for Engineers</td>
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<td>52.142 Structural Mechanics I</td>
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<td>54.111 Engineering Mathematics I</td>
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<td><strong>Third Examination</strong></td>
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<td>52.222 Fluid Mechanics II</td>
<td>52.231 Geomechanics I</td>
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<td>52.291 Environmental Engineering I</td>
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<td></td>
<td>54.211 Engineering Mathematics II</td>
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<td><strong>Fourth Examination</strong></td>
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<tr>
<td>50.201 General Studies II</td>
<td>52.381 Civil Engineering Administration</td>
<td>52.395 Resource Management</td>
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<td>52.311 Mechanics and Properties of Materials</td>
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<td>52.363 Structural Design II</td>
<td>52.383 Accounting for Engineers</td>
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<td>52.371 Traffic Systems Design</td>
<td>52.393 Maritime Engineering</td>
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<td>52.392 Water Quality Engineering</td>
<td>52.394 Environmental Management</td>
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<td><strong>Electrical and Electronic Engineering</strong></td>
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<td>51.222 Electrical Engineering Materials</td>
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<td>53.222 Networks and Signals</td>
<td>54.211 Engineering Mathematics II</td>
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<td>53.342 Power Systems</td>
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<td>*53.332 Custom Integrated Electronic Design</td>
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### First half year papers

| 53.352 | Communication Systems
| 53.363 | Radio Systems
| 53.382 | Software Engineering
| An approved paper from another University course |

### Full year papers

| 53.343 | Advanced Power System Topics
| 53.353 | Digital Communications Engineering
| 53.362 | Microwave and Optical Engineering
| 53.371 | Advanced Control Engineering
| 53.383 | Computer Systems Applications
| 53.390 | Power Semiconductor Applications
| 55.333 | Engineering Economics
| An approved paper from another University course |

### Second half year papers

| 53.344 | Advanced Power System Topics
| 53.354 | Digital Communications Engineering
| 53.363 | Microwave and Optical Engineering
| 53.372 | Advanced Control Engineering
| 53.384 | Computer Systems Applications
| 53.391 | Power Semiconductor Applications
| 55.334 | Engineering Economics
| An approved paper from another University course |

### Engineering Science

#### Second Examination

| 51.121 | Materials I
| 55.101 | Mechanics of Solids I
| 55.121 | Applied Mechanics |

| 50.111 | Engineering Design |
| 54.112 | Engineering Mathematics IIS |

#### Third Examination

| 54.212 | Engineering Mathematics IISA |
| 55.224 | Vibrations and Control |
| 55.241 | Mechanics of Solids II |

| 54.221 | Computational Techniques I |
| 54.241 | Continuum Mechanics |
| 54.251 | Optimization in Operations Research |

| 54.291 | Engineering Science Design |

#### Fourth Examination

| 50.201 | General Studies II |

| Four elective papers from the list below: |
| 54.301 | Special Topic in Engineering Science A |
| 54.312 | Engineering Mathematics IISA |
| 54.323 | Finite Element Methods |
| 54.344 | Environmental Fluid Dynamics |
| 54.346 | Engineering Solid Mechanics |
| 54.353 | Deterministic Methods in Operations Research |
| 54.354 | Simulation |

| 54.304 | Project in Engineering Science |

#### Note:

(i) Candidates must choose one elective paper from 54.344, 54.345, 54.346 and 54.347 and one elective paper from 54.352, 54.353, 54.354 and 54.355.

(ii) In addition to the papers listed for the Engineering Science Fourth Examination, candidates are required to attend the Engineering Science Laboratory (1 hour per week or equivalent). Carry out assignments and submit reports to a required standard.

(iii) In some years the paper 54.344 Environmental Fluid Dynamics may be offered in the second half-year and 54.345 Classical Fluid Dynamics in the first half-year. Similarly, the paper 54.346 Engineering Solid Mechanics may be offered in the second half-year and 54.347 Biomechanics in the first half-year.

### Mechanical Engineering

#### Second Examination

| 51.121 | Materials I |
| 55.101 | Mechanics of Solids I |
| 55.121 | Applied Mechanics |

| 50.111 | Engineering Design |
| 54.111 | Engineering Mathematics I |

#### Third Examination

| 55.213 | Thermo Fluid Dynamics II |
| 55.223 | Dynamics & Control |
| 55.241 | Mechanics of Solids II |

| 54.211 | Engineering Mathematics II |
| 55.261 | Mechanical Engineering Design I |

#### Fourth Examination

| 50.201 | General Studies II |

| Two elective papers from the list below: |
| 55.311 | Applied Fluid Mechanics |
| 55.321 | Control Engineering |
| 55.322 | Mechanical Vibrations |
| 55.331 | Industrial Engineering |
| 55.342 | Strength of Materials |
| 55.351 | Heat and Mass Transfer |

| 55.301 | Project in Mechanical Engineering |

| 55.361 | Mechanical Engineering Design II |

| 55.333 | Engineering Economics |
| 55.363 | Special Topic in Engineering |
| 55.371 | Mechanical Engineering |
| 55.383 | Applied Electricity |
| 55.393 | Applied Aerodynamics |
| 55.323 | Mechatronic Control Systems |
| 55.324 | Acoustics |

One or two approved papers from other University courses.
### First half year papers

<table>
<thead>
<tr>
<th>Metallurgical and Materials Engineering</th>
<th>Second half year papers</th>
</tr>
</thead>
<tbody>
<tr>
<td>One or two approved papers from other University courses</td>
<td>55.334 Manufacturing Technology</td>
</tr>
<tr>
<td></td>
<td>55.352 Applied Thermodynamics</td>
</tr>
<tr>
<td></td>
<td>One or two approved papers from other University courses</td>
</tr>
</tbody>
</table>

### Metallurgical and Materials Engineering

#### Second Examination

- 51.116 Process Thermodynamics I
- 51.121 Materials I
- 55.101 Mechanics of Solids I

#### Full year papers

<table>
<thead>
<tr>
<th>Metallurgical and Materials Engineering</th>
<th>Second half year papers</th>
</tr>
</thead>
<tbody>
<tr>
<td>50.111 Engineering Design</td>
<td>50.101 General Studies I</td>
</tr>
<tr>
<td>51.115 Fluid Mechanics</td>
<td>51.117 Process Thermodynamics II</td>
</tr>
<tr>
<td>54.111 Engineering Mathematics I</td>
<td>51.141 Applied Chemistry</td>
</tr>
</tbody>
</table>

#### Third Examination

- 51.213 Heat and Mass Transfer Operations
- 55.241 Mechanics of Solids II

#### Full year papers

<table>
<thead>
<tr>
<th>Metallurgical and Materials Engineering</th>
<th>Second half year papers</th>
</tr>
</thead>
<tbody>
<tr>
<td>51.221 Materials II</td>
<td>53.111 Electrical Engineering IG</td>
</tr>
<tr>
<td>51.251 Chemical Processing of Materials</td>
<td>55.271 Production Technology</td>
</tr>
<tr>
<td>54.211 Engineering Mathematics II</td>
<td></td>
</tr>
</tbody>
</table>

#### Fourth Examination

- 50.201 General Studies II
- 51.311 Process Control
- 51.323 Materials III
- 51.325 Solid State Materials

#### Full year papers

<table>
<thead>
<tr>
<th>Metallurgical and Materials Engineering</th>
<th>Second half year papers</th>
</tr>
</thead>
<tbody>
<tr>
<td>51.334 Materials Engineering Design</td>
<td>51.324 Materials Engineering</td>
</tr>
<tr>
<td>51.362 Project in Metallurgical &amp; Materials Engineering</td>
<td>51.326 Non-metallic Materials</td>
</tr>
<tr>
<td></td>
<td>55.231 Industrial Administration</td>
</tr>
</tbody>
</table>

### Mining Engineering

#### Second Examination

- 51.121 Materials I
- 52.131 Introductory Geology for Engineers
- 55.101 Mechanics of Solids I

#### Full year papers

<table>
<thead>
<tr>
<th>Mining Engineering</th>
<th>Second half year papers</th>
</tr>
</thead>
<tbody>
<tr>
<td>50.111 Engineering Design</td>
<td>50.101 General Studies I</td>
</tr>
<tr>
<td>54.111 Engineering Mathematics I</td>
<td>53.111 Electrical Engineering IG</td>
</tr>
<tr>
<td>56.101 Mineral Engineering</td>
<td>55.113 Thermo Fluid Dynamics I</td>
</tr>
</tbody>
</table>

#### Third Examination

- 21.314 Introduction to Mineral Deposits
- 56.203 Mineral Processing Technology
- 56.212 Mine Environment and Ventilation

#### Full year papers

<table>
<thead>
<tr>
<th>Mining Engineering</th>
<th>Second half year papers</th>
</tr>
</thead>
<tbody>
<tr>
<td>52.231 Geomechanics I</td>
<td>21.384 Exploration and Mining Geology</td>
</tr>
<tr>
<td>54.211 Engineering Mathematics II</td>
<td>56.215 Bulk Materials Handling</td>
</tr>
<tr>
<td>56.214 Unit Operations in Mining</td>
<td>56.231 Mine Surveying</td>
</tr>
</tbody>
</table>

#### Fourth Examination

- 21.381 Advanced Mining Geology
- 50.201 General Studies II
- 56.314 Rock Mechanics
- 56.317 Mine Production Engineering

#### Full year papers

<table>
<thead>
<tr>
<th>Mining Engineering</th>
<th>Second half year papers</th>
</tr>
</thead>
<tbody>
<tr>
<td>56.312 Evaluation and Mineral Economics</td>
<td>55.231 Industrial Administration</td>
</tr>
<tr>
<td>56.313 Mine Design</td>
<td>52.394 Environmental Management</td>
</tr>
<tr>
<td>56.315 Project in Mining Engineering</td>
<td>56.319 Special Topic in Mining Engineering</td>
</tr>
<tr>
<td>56.320 Special Topic in Mineral Process Engineering</td>
<td></td>
</tr>
</tbody>
</table>

### BCom/BE

13. Candidates in the degree courses listed in this Regulation may enrol in the conjoint degrees BCom/BE and be eligible to receive the following cross-credits and exemptions.

#### First Examination

- 26.141 Mathematics as cross-credit.
- Any two BCom Part I papers, other than 26.141 will satisfy the requirements of the two approved papers from another University course or courses.

#### Mechanical Engineering

Candidates who have passed the sixteen BCom papers required under Regulation 14 of the Degree of Bachelor of Commerce shall be exempted from passing the paper 55.231 Industrial Administration, may substitute 55.224 Vibrations and Control for 55.223 Dynamics and Control and shall, in the Fourth Examination for this Degree, have the requirements waived of three elective papers under the provision of approved papers from other University courses.

#### Engineering Science

Candidates who have passed the sixteen BCom papers required under Regulation 14 of the Degree of Bachelor of Commerce shall be exempted from passing papers 55.231 Industrial Administration and 55.224 Vibrations and Control and shall, in the Fourth Examination for this Degree, have the requirements waived of two elective papers under the provision of approved papers from other University courses.

Candidates who pass for BCom paper 26.391 Optimization in Operations Research are exempt from passing paper 54.251 Optimization in Operations Research I for this Degree.

Candidates who pass for BCom paper 26.395 Mathematical Modelling for Operations Research are exempt from passing papers 54.354 Simulation and 54.355 Queuing and Inventory for this Degree.
Civil Engineering
Candidates who pass for BCom paper 02.200 Contracts and Restitution are exempt from passing paper 52.381 Civil Engineering Administration for this Degree. Candidates who have passed the sixteen BCom papers required under Regulation 14 of the Degree of Bachelor of Commerce shall, in the Fourth Examination for this Degree, have the requirements waived of three elective papers, two of which shall be under the provision of approved papers from other University courses.

Note: (i) The papers so credited under this Degree shall be admitted as cross-credits, exemptions or additional cross-credits as the case may be.
(ii) Refer also to BCom Regulation 14 in this Calendar.

Savings and Transitional Provisions
14. These Regulations shall govern the course of every candidate; but any candidate whose course was begun under the Regulations set forth in the University of Auckland Calendar for 1990 shall be credited for the purpose of these present Regulations with such papers as the Senate may determine.

15. These Regulations shall come into force on 1 January, 1991.

THE DEGREE OF BACHELOR OF TECHNOLOGY BTech
The Bachelor of Technology is an Inter-Faculty offering. For detailed Regulations refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

THE DEGREE OF MASTER OF ENGINEERING ME
The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Degree of Master of Engineering shall:
   (a) before enrolment for this Degree have been admitted or qualified for admission to the Degree of Bachelor of Engineering; and
   (b) follow a course of study of not less than one year.

2. Every candidate for this Degree shall:
   (a) pass in each of eight papers where those papers do not include Project D; or
   (b) pass in Project D and six other papers; or
   (c) (i) pass in each of three papers, and
   (ii) pass in respect of a thesis (which shall count as equivalent to five papers).

Papers
3. The following conditions shall apply to the choice of papers:
   (a) Every candidate shall choose papers in consultation with the Head of his or her Department from those listed in clause (b) of this Regulation; provided that no paper that has been credited to another degree shall be taken for this Degree.
   (b) The papers of examination for the Degree are:
      (i) 50.401 Project A1 50.402 Project A2
      (ii) 50.411 Project B1 50.412 Project B2
      (iii) 50.421 Project C1 50.422 Project C2
      (iv) 50.431 Project D (value 2 papers)

Note: Not all of the following papers will be available in a given year.

51.411 Advanced Process Control
51.412 Chemical Engineering Seminar
51.413 Studies in Chemical Engineering
51.414 Biochemical Engineering Seminar
51.415 Advanced Chemical Engineering
51.416 Advanced High Temperature Processing
51.421 Advanced Materials
51.422 Materials Seminar
51.423 Studies in Materials Engineering
51.424 Advanced Materials Characterisation
51.425 Advanced Materials Performance
52.401 Special Seminar in Civil Engineering A
52.402 Special Seminar in Civil Engineering B
52.411 Mechanics and Properties of Materials Seminar
52.421 Fluid Mechanics Seminar
52.422 Advanced Fluid Mechanics
52.423 Coastal Engineering
52.424 Advanced Water Resources
52.431 Earthquake Engineering
52.432 Geomechanics Seminar
52.433 Applied Geomechanics
52.434 Earth Structures
52.441 Structural Dynamics
52.442 Structures Seminar
52.443 Structural Analysis
52.444 Space Structures
52.451 Environmental Law
52.461 Structural Design
52.471 Traffic Engineering

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Facility of Engineering

54.456 Advanced Systems Analysis B
54.461 Studies in Control Theory
54.481 Geothermal Modelling
54.491 Bio-Engineering
55.401 Studies in Mechanical Engineering
55.411 Fluid Dynamics
55.412 Aerodynamics
55.413 Wind Engineering
55.422 Mechanical Control Systems
55.434 Computer Integrated Manufacturing and Robotics
55.435 Computers in Manufacturing
55.441 Mechanics of Materials
55.442 Vibrations
55.452 Reciprocating Internal Combustion Engines
55.461 Computer Graphics and Computer Aided Design
55.471 Production Technology
55.472 Metal Forming
55.491 Computational Fluid Dynamics and Numerical Heat Transfer
55.493 Geothermal Heat and Mass Transfer
56.401 Advanced Mineral Processing
56.411 Advanced Mining Engineering
56.412 Seminar in Mining Engineering
56.414 Advanced Geostatistics and Resource Evaluation
56.415 Advanced Rock Mechanics
86.401 Geothermal Systems and Technology
86.402 Geothermal Production Technology
86.403 Geothermal Energy Utilisation

(ii) Those papers approved by the Head of Department from any of those offered at Fourth Examination level for the BE Degree.

(iii) Subject to the permission of the Heads of Department concerned, one or two papers chosen from those offered in any other Faculty at the final-year undergraduate level or the Master's level provided:
(a) that prerequisites and timetabling requirements can be met, and
(b) that the syllabus is not the same as or substantially overlapping with any other paper prescribed for this Degree, and
(c) that the paper has a weight not less than that of an Engineering paper. If the paper is at Master's level and has a weight not less than that of two Engineering papers, that paper may count as equivalent to two Master of Engineering papers; no other paper can then be chosen from those offered in another Faculty.

Project Work
4. (a) No candidate shall take:
   (i) Project A1, A2, B1, B2, C1, C2 or D if he or she submits a thesis for this Degree;
   (ii) more than one of the Projects A1, A2, B1, B2, C1 or C2 if Project D is also taken;
   (iii) both Projects A1 and A2, or both Projects B1 and B2, or both Projects C1 and C2.

   (b) A candidate who takes Project D must submit the project report not later than twelve months after enrolment for this project provided that the Senate may, in exceptional circumstances, extend this period.

   (c) A candidate who takes Project A1, B1 or C1 must submit the project not later than the first day of lectures in the second half-year of the year in which the project is taken. A candidate who takes Project A2, B2 or C2 must submit not later than 30 November of the year in which the project is taken. An extension of time may, in exceptional circumstances, be approved by the Senate.

Thesis
5. The following conditions apply to the thesis (50.601):
(a) The thesis shall embody the results obtained by the candidate in an investigation in a subject approved by the Head of the Department.
(b) The investigation shall be carried out personally by the candidate at the University under the direct supervision of a member of the academic staff; provided that:
   (i) laboratory work may be carried out in an approved institution outside the University for such limited period or periods as may be determined from time to time by the Senate;
   (ii) field work may be carried out at such places and for such periods as the Senate may determine.
(c) (i) The supervisor shall be the principal examiner.
   (ii) The Senate acting on the advice of the Head of the Department shall appoint either an external assessor or a second internal examiner.
(d) At the discretion of the Head of the Department the candidate may be required to attend an oral examination on the subject of the thesis, which shall take place within four weeks of the date on which the thesis was submitted, or within such longer period as the Senate may in special circumstances approve.
(e) If the supervisor with the consent of the assessor or second examiner as the case may be so recommends, a thesis which is not considered satisfactory shall be returned to the candidate, who may be permitted to revise it and to submit it again at a later date to be specified by the supervisor.
(f) A candidate shall present the thesis not later than 18 months, or if he or she is a part-time candidate not later than 36 months, after the first enrolment for this Degree, provided that the Senate may, in exceptional circumstances, extend this period.

Note: An abstract is to be submitted with each copy of the thesis, see Examination Regulation 16.

Classes of Pass
6. The Degree of Master of Engineering may, on the recommendation of the Senate, be awarded with Distinction.
7. These Regulations shall come into force on 1 January, 1972.

RESEARCH IN ENGINEERING

Facilities are available for research by PhD students and postdoctoral fellows in each of the Departments of Engineering in a wide range of topics.

Attention is drawn to the fact that the Honours Degree qualifying a PhD student for registration need not necessarily be one in Engineering. Graduates with a good Honours Degree in Physics, Chemistry, or Mathematics, for example, could be considered for registration in Engineering.
## DEGREE COURSE PRESCRIPTIONS

### BACHELOR OF ENGINEERING

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.121</td>
<td>Chemistry</td>
<td>Three lectures and one tutorial per week, first half-year.</td>
</tr>
<tr>
<td>21.314</td>
<td>Geology</td>
<td>(Two lectures and one shared tutorial per week, first half-year.</td>
</tr>
<tr>
<td>21.381</td>
<td>Geology</td>
<td>These papers for Mining and Geology</td>
</tr>
<tr>
<td>21.382</td>
<td>Geology</td>
<td>Geology papers for Mining and Geology</td>
</tr>
<tr>
<td>21.384</td>
<td>Geology</td>
<td>See Prescriptions listed under</td>
</tr>
<tr>
<td>21.388</td>
<td>Geology</td>
<td>Faculty of Science</td>
</tr>
<tr>
<td>26.141</td>
<td>Mathematics</td>
<td>Three lectures and one tutorial per week.</td>
</tr>
<tr>
<td>31.114</td>
<td>Measurement and Instrumentation for Engineering</td>
<td>This paper is for first year Bachelor of Engineering students. Principles of physical and electrical measurements, analogue and digital instrumentation, basic data acquisition and signal processing.</td>
</tr>
<tr>
<td>31.144</td>
<td>Physics for Engineering</td>
<td>(Two lectures and one shared tutorial per week. First half-year.</td>
</tr>
<tr>
<td>50.001</td>
<td>Engineering Mechanics and Design</td>
<td>This paper is for first year Bachelor of Engineering students. Principles of physical and electrical measurements, analogue and digital instrumentation, basic data acquisition and signal processing.</td>
</tr>
<tr>
<td>50.002</td>
<td>Introduction to Computing for Engineers</td>
<td>(One lecture and two laboratory hours per week. First half-year.</td>
</tr>
<tr>
<td>50.003</td>
<td>Engineering and Society</td>
<td>The paper looks at the activities undertaken by professional engineers and the impact that engineering has on society. Topics considered will be wide-ranging and presented by a number of different speakers. Aspects of engineering such as the impact of communication and information technology, the management of resources, the development of structures, the processing and development of materials, the development of public health engineering, and design for natural hazards, will be considered.</td>
</tr>
<tr>
<td>50.101</td>
<td>General Studies I</td>
<td>(Three lectures and one tutorial per week. Second half-year. A course that considers aspects of human development; origins, societies, politics, human nature, and creativity.</td>
</tr>
<tr>
<td>50.111</td>
<td>Engineering Design</td>
<td>The elements of engineering draughting and graphics. The paper looks at the activities undertaken by professional engineers and the impact that engineering has on society. Topics considered will be wide-ranging and presented by a number of different speakers. Aspects of engineering such as the impact of communication and information technology, the management of resources, the development of structures, the processing and development of materials, the development of public health engineering, and design for natural hazards, will be considered.</td>
</tr>
<tr>
<td>50.112</td>
<td>Graphics</td>
<td>(One lecture and one three-hour drawing office class per week) The elements of engineering draughting and graphics and an illustrative design application.</td>
</tr>
<tr>
<td>50.201</td>
<td>General Studies II</td>
<td>(Three lectures and one tutorial per week. First half-year. A course that gives some insights into the problems of contemporary society. Economic, ecological, social and resource constraints affecting the work of the engineer are examined as is the impact of technology and engineering on the environment and the future of society.</td>
</tr>
</tbody>
</table>

### 51.116 Process Thermodynamics I

Two lectures and one shared tutorial per week. First half-year. The first law of thermodynamics. Material balances with and without chemical reactions and re-cycles. Energy balances in reacting and non-reacting systems. Simultaneous mass and energy balances.

### 51.117 Process Thermodynamics II

(Five lectures and three tutorials per fortnight. Second half-year) The second law of thermodynamics. Classical chemical thermodynamics including the concept of chemical potential, fugacity and activity; their applications to reacting systems. Thermodynamics of power and refrigeration cycles, and flow processes.

### 51.121 Materials I

(Mechanical properties and testing of engineering materials; atomic and structural aspects; deformation and strengthening mechanisms; annealing; working processes; temperature dependent properties of materials; microstructures; solidification and phase equilibria; heat treatment; non-destructive testing; corrosion; non-metallic materials including polymers, wood, ceramics and concrete.

### 51.141 Applied Chemistry

(Three lectures per week. Second half-year) Molecular structure including the structure of atoms, bonding and motion of molecules, forces between molecules. Applied physical chemistry including the physical chemistry of interfaces, solid surfaces and adsorption. Surface and colloid chemistry, surfactants, micelles, stability or emulsions, flocculation, froth flotation and wetting. Kinetics and reaction mechanisms. Heterogeneous catalysts, physico-chemical methods of analysis, UV, IR, AA and NMR spectroscopy. An accompanying laboratory programme must be completed satisfactorily.

### 51.213 Heat and Mass Transfer Operations


### 51.214 Separation Processes

51.215 Chemical Reactor Engineering
(Two lectures and one third tutorial per week)

51.221 Materials II
(Two lectures and one tutorial per week)

51.222 Electrical Engineering Materials
(Three lectures and one tutorial per week. First half-year)

51.225 Elements of Materials Science
(Two lectures and one tutorial per week)
A treatment of modern metallographic methods including optical and electron optical techniques such as TEM and SEM: Interpretation of images, macro and micro structures, quantitative metallography, fractography. Modern analytical techniques such as spark emission, EDAX, Auger, SIMS, etc. X-ray diffraction theory and applications. Crystallography. Phase diagrams. Thermodynamics of crystals. Defects in crystals, shear deformations and work hardening. Solid state transformations; diffusion, kinetics, precipitation, eutectoid reactions, shear transformations, effect of alloying. Thermomechanical treatments. Commercial heat treatments. Creep mechanisms. Wear.

51.232 Process Analysis and Synthesis
(One lecture and one tutorial, one drawing office per week)

51.243 Applied Organic Chemistry
(Three lectures per week. First half-year)

51.251 Chemical Processing of Materials
(Two lectures and one tutorial per week)
Thermodynamics and its application to equilibrium involving multi-component solutions such as polymers solutions, liquid metals and slags. Use of diagrams to represent zones of stability or likely reaction. Surface excess properties; phase equilibria and phase diagrams. Fuels and combustion. Aspects of hydrometallurgy. Kinetics of interphase transfer in metallurgical systems with examples associated with selected extractive metallurgical processes. Aspects of reactor design. Electrochemical engineering applied to extractive processes.

51.311 Process Control
(Three lectures per week. First half-year)
Dynamic modelling of linear open-loop systems; transfer functions; Linear closed-loop systems; analysis and control; control strategy; stability analysis using root-locus and frequency response methods. Controller tuning; industrial application with simple and complex control systems.

51.314 Particulate Technology
(Four lectures per week. Second half-year)
A course on particulate technology, including characterisation of particles; fluid dynamics; analysis of separation processes; separation mechanisms; size reduction; particle size measurement; sedimentation; fluidisation; conveying; filtration; packed beds; solid/solid separations; gas cleaning; agglomeration; storage; atomisation; mixing.

51.322 Materials IIIA
(Three lectures per week, first half-year. Two lectures per week, second half-year)

51.323 Materials IIIB
(Three lectures per week. First half-year)

51.325 Solid State Materials
(Three lectures per week. First half-year)

51.326 Non Metallic Materials Engineering
(Three lectures per week. Second half-year)

51.334 Materials Engineering Design
(One lecture, one drawing office hour, first half-year. Two lectures, two drawing office hours, second half-year)
Design of a process route for the fabrication of a metallurgical or materials product or the refining of metals and materials. Detailed consideration will be given to particular items of plant within the process route. Selected topics relevant to the design project will be emphasised.

51.335 Equipment and Process Design
(Three lectures and one tutorial per week, first half-year. One lecture and five tutorials per week, second half-year).

A single design project undertaken by students working in groups.

51.361 Project in Chemical and Material Engineering
A student is required to submit a report on project work carried out on a topic assigned by the Head of Department of Chemical and Materials Engineering. The work shall be supervised by a member of the staff.

51.362 Project in Metallurgical & Materials Engineering
A student is required to submit a report on project work carried out on a topic assigned by the Head of Department of Chemical and Material Engineering. The work shall be supervised by a member of the staff.

52.112 Civil Engineering Materials
(Two lectures and one shared tutorial per week. First half-year)

52.121 Fluid Mechanics I
(Two lectures and one shared tutorial per week. First half-year)

52.131 Introductory Geology for Engineers
(Three lectures per week and 15 hours laboratory. First half-year)

52.142 Structural Mechanics I
(Three lectures and one shared tutorial per week. First half-year)

52.151 Surveying
(Two lectures and one shared tutorial per week. Second half-year)
Introduction to land surveying theory and practice for Civil Engineers. Principles of typical surveying equipment and of its operation and application.

52.222 Fluid Mechanics II
(Two lectures and one shared tutorial per week. First half-year.)

52.231 Geomechanics I
(Two lectures and one shared tutorial per week)

52.242 Structural Mechanics II
(Two lectures and one shared tutorial per week)
No final examination; grade assessed on project report and half-year's work.

52.311 Mechanics and Properties of Materials
(Three lectures and one tutorial per week. First half-year)
A selection of topics from the following:
Elasticity and plasticity; experimental methods; beams, plates and shell theory; stability of structural sections, analysis of joints; shear walls and deep beams; civil engineering materials; further material on traditional materials as well as information on modern advances.

52.321 Engineering Hydrology
(Three lectures and one tutorial per week. First-half year)

52.322 Fluid Mechanics III
(Three lectures and one tutorial per week. First half-year)

52.323 Water Resources Engineering
(Three lectures and one tutorial per week. Second half-year)

52.331 Geotechnical Engineering
(Three lectures and one tutorial per week. First half-year)

52.332 Geomechanics II
(Three lectures and one tutorial per week. Second half-year)
A selection from the following:

52.342 Structural Mechanics III
(Three lectures and one tutorial per week. First half-year)
Matrix methods of structural analysis with applications to two and three dimensional structures. Theory of elasticity and applications. Variational principles of mechanics.

52.343 Applied Structural Mechanics
(Three lectures and one tutorial per week. Second half-year)
Dynamics of multi degree of freedom structures with applications to seismic design. Studies on the analysis and design of selected structural systems such as eccentrically and concentrically braced frames, moment resisting frames, box girders, thin walled sections, suspension and cable stayed bridges, tension and membrane structures, folded plates, tanks, silos, domes, arches and towers.

52.363 Structural Design II
(Two lectures and one two hour design office per week. First half-year)
The design of reinforced concrete and structural steel with an emphasis on continuity in structures. An introduction to seismic design.

52.364 Structural Seismic Design
(Two lectures and one two hour design office per week. Second half-year)
The design of multi-storey structures in seismic zones.

52.365 Structural Concrete Theory
(Three lectures and one tutorial per week. Second half-year)
An introduction to prestressed concrete as related to bridge structures and the design and detailing of concrete bridges for seismic resistance.

52.371 Traffic Systems Design
(Three lectures and one tutorial per week. First half-year)

52.372 Transportation Engineering II
(Three lectures and one tutorial per week. Second half-year)
Operational, economic and environmental assessment of transport projects, techniques and procedures. Rehabilitation techniques and pavement management systems. Road safety investigation and prevention techniques.

52.381 Civil Engineering Administration
(Three lectures and one tutorial per week. Second half-year)
An introduction to financial, legal and managerial principles, and their application to problems in civil engineering management. Systems approach to decision making. Topics related to professional engineering practice.

52.382 Management Techniques
(Three lectures and one tutorial per week. Second half-year)
Introduction to project planning and the making and implementation of decisions.

52.383 Accounting for Engineers
(Three lectures and one tutorial per week. Second half-year)
An introduction to the principles of accounting practice.

52.392 Water Quality Engineering
(Three lectures per week. Second half-year)
Chemistry and microbiology of water. Unit operations and process design in water and waste-water treatment. Engineering management of natural water quality.

52.393 Maritime Engineering
(Three lectures and one tutorial per week. Second half-year)

52.394 Environmental Management
(Three lectures and one tutorial per week. Second half-year)
Ecology and engineering: global environmental issues; New Zealand environmental issues; environmental legislation and administration; environmental planning processes; integration of environmental assessment into engineering projects; case studies.

52.395 Resource Management
(Three lectures per week. Second half-year)
Management of natural and physical resources including air, land, water, energy, minerals, and the built environment. Resource sustainability, environmental protection, management planning and legislative issues.

53.111 Electrical Engineering IG
(Three lectures and one tutorial per week. Second half-year)
An introductory course, with principal emphasis on electric circuit theory and electronics.

53.121 Networks
(Two lectures in the first half-year, one in the second half-year and one tutorial per week)

53.132 Linear Electronics
(Two lectures and one tutorial per week. Second half-year)
Biasing BJTs and FETs, SOAR curves, hybrid "circuits, hand y
53.141 Engineering Electromagnetics
(Two lectures and one tutorial per week. First half-year)
Introduction to electrical machines.

53.181 Digital Electronics and Computer Systems
(Two lectures and one tutorial per week)
Digital electronics: decision elements, basic logic, logic memory elements, logic families, sequential logic systems. Computer systems: Finite state systems, microprocessor systems, mathematical operations, operations on analogue signals, microprogramming.

53.204 Electrical Engineering Design
(Three hours per week)

53.211 Electrical Engineering IIS
(Two lectures and one tutorial per week. Second half-year)

53.222 Networks and Signals
(Three lectures and one tutorial per week. First half-year)
Bridge circuits; resonance, Q, gain bandwidth considerations, tuned coupled circuits; Laplace transforms; pole-zero diagrams and applications; Two Port coupling networks; filter design using Image Parameters, frequency and impedance transformation; filter design using appropriate methods; active filter design. Signal levels and logarithmic units, signal spectrum and transmission in band limited channels, modulation techniques, electrical noise.

53.232 Analogue Electronics
(Two lectures and one tutorial per week. First half-year)
Noise, bandwidth, power amplifiers, switching circuits, thyristors, power supplies, linear and switched mode, non-linear operational amplifier circuits, multipliers, dividers, log amplifiers, analogue-digital and digital-analogue conversion, sample-and-hold.

53.241 Power Apparatus and Systems
(Three lectures and one tutorial per week. First half-year)
Multi-circuit and polyphase transformers. Motor starting and speed control. Power electronics. Synchronous machines; infinite busbar operation; load sharing; stability. Elements of power supply systems.

53.251 Transmission Lines and Fields
(Three lectures and one tutorial per week. Second half-year)
Vector analysis revision; static fields; the electric field and materials; field varying in time; Maxwell's equations; electromagnetic waves; Poynting's theorem; skin effect. Transmission lines with distributed constants; surge on lines; AC lines; standing waves, resonance and antiresonance; Smith chart; common transmission lines, parameters, higher order modes; high frequency lines, communication lines and high power lines. Introduction to antennas and radio systems.

53.271 Control Systems
(Three lectures per week. Second half-year)

53.281 Microcomputer Engineering
(Two lectures and one tutorial per week. Second half-year)
Central processor architecture, memory systems, input-output, system buses, assemblers and assembly language programming, development systems, real-time industrial control using microprocessors, examples

53.301 Project in Electrical Engineering
(Six hours per week in the first half-year, seven in the second half-year)
A student is required to submit a report on project work carried out on a topic assigned by the Head of the Department of Electrical and Electronic Engineering. The work shall be supervised by a member of the staff.
The report shall carry the weight of three papers.

53.304 Special Topic in Electrical and Electronic Engineering A
(Three hours per week. First half-year)
An advanced course on a topic to be determined each year by the Head of the Department of Electrical and Electronic Engineering.

53.305 Special Topic in Electrical and Electronic Engineering B
(Three hours per week. Second half-year)
Advanced courses on topics to be determined each year by the Head of the Department of Electrical and Electronic Engineering.

53.311 Applied Electricity
(Three lectures per week. Second half-year)
A course on electrical and electronic components and circuits leading to the study of industrial instrumentation, control systems and application of electrical energy.

53.313 Analytical Techniques in Electrical Engineering
(Three lectures per week. First half-year)
The study of a number of advanced mathematical techniques appropriate to the broad field of electrical engineering applications.

53.321 Applied Network Systems
(Three lectures per week. Second half-year)

53.322 Signal Processing
(Three lectures per week. First half-year)
Analysis and processing of continuous signals. Quantitative and statistical treatment of signal distortion, random signals and electrical noise. Discrete-time signals and introduction to digital signal processing.

53.332 Custom Integrated Electronic Design
(Three lectures per week. Second half-year)

53.342 Power Systems
(Three lectures per week. First half-year)

53.343 Advanced Power System Topics
(Three lectures per week. Second half-year)

53.352 Communication Systems
(Three lectures per week. First half-year)
The Generalised Communication System, Electrical Noise,
Analogue Modulation: AM and FM. Broadband Systems: FDM, TDM, PCM. Transmission topics: Radio Propagation; Optical Fibre Transmission; Large Signal Behaviour; Switched Telecommunication Systems: structure and planning traffic theory, Television.

53.353 Digital Communications
(Three lectures per week. Second half-year)

53.362 Microwave and Optical Engineering
(Three lectures per week. Second half-year)
Microwave systems; waveguides; passive components, resonators and filters. Microwave network theory, waveguide discontinuities. Microwave sources. Antennas. Optical communication systems; propagation in optical fibres, attenuation, step-index and graded-index fibres, sources and detectors.

53.363 Radio Systems
(Three lectures per week. First half-year)
Systematic approach to electromagnetics as a basis for more advanced work in electromagnetic wave propagation, antennas and microwaves.

53.371 Advanced Control Engineering
(Three lectures per week. Second half-year)

53.382 Software Engineering
(Three lectures per week. First half-year)
The software life cycle, requirements definition document, software prototyping and specification, implementation issues, data representation, software cost estimation, testing and quality assurance, testing and debugging, system delivery, maintenance. Computer aided software engineering (CASE), object oriented programming, real time executors, programmers toolkit.

53.383 Computer Systems
(Three lectures per week. Second half-year)
Computer Architecture - Main frames/microprocessors; Multiprocessing systems; Memory systems - disk, main, virtual, distributed processing; Special purpose processors; Commercial computer networking.

53.390 Power Semiconductor Applications
(Three lectures per week. Second half-year)
Power devices and device physics; thyristors, GTOs, transistors, FETs, IGTs. Conversion processes: AC-DC, DC-DC, DC-AC, UPS, switched mode power supplies. DC motor drives: thyristor control, chopper control. AC motor drives: current source inverters, voltage source inverters. Motor control techniques: inverter control, reduced voltage starters. Drive system economics.

54.111 Engineering Mathematics I
(Three lectures and one tutorial per week)
Basic algebra and calculus of elementary functions of a real variable, introduction to complex arguments, linear algebra and matrix methods, geometrical properties such as curvature and arch length, power-series and indeterminate forms, differentiation and integration. Application to engineering problems will be stressed and assisted by curve sketching in rectangular and polar forms and by numerical methods. Ordinary differential equations including first order, second order constant coefficient and elementary simultaneous equations. Introduction to Laplace transforms. Partial differentiation, evaluation of multiple integrals, vector analysis, grad, div, curl and integral theorems. Statistical and probabilistic methods, sampling theory, estimation and confidence intervals, regression and correlation, exploratory data analysis.

Problem solving, formulation and representation of algorithms, the FORTRAN language, use of the undergraduate computer system.

54.112 Engineering Mathematics IS
(Three lectures and one tutorial per week)

54.211 Engineering Mathematics II
(Two lectures and one tutorial per week)


54.212 Engineering Mathematics II SA
(Two lectures and one tutorial per week. First half-year)

54.213 Engineering Mathematics II SB
(Two lectures and one tutorial per week. Second half-year)

54.221 Computational Techniques I
(Two contact hours per week)

54.241 Continuum Mechanics
(Two lectures per week, first half-year. Three lectures per week, second half-year. One tutorial per week)
Vector and tensor analysis; analysis of stress and strain; constitutive relations and field equations; formulation and solution of problems in fluid mechanics and linear elasticity. Open channel flow.

54.251 Optimization in Operations Research
(Two lectures and one tutorial per week)
Linear programming, simplex and revised simplex methods, duality and dual simplex, sensitivity and post-optimal analysis, modelling and applications. Integer programming, network optimisation, transportation and flow problems.

54.291 Engineering Science Design
(Two contact hours per week)
Study of the design process, including conceptualization and analysis with particular reference to the design of simple structures. Systems analysis and design concepts applied to the computer solution of engineering problems in continuum mechanics and operations research, including formulation and preparation of initial specifications, implementation of algorithms, and presentation and interpretation of results.

54.301 Special Topic in Engineering Science A
(Three lectures per week. First half-year)
An advanced course on a topic to be determined each year by the Head of the Department of Engineering Science.
54.302 Special Topic in Engineering Science B
(Three lectures per week. Second half-year)
An advanced course on a topic to be determined each year by the Head of the Department of Engineering Science.

54.304 Project in Engineering Science
(Equivalent in weight to two elective papers)
An investigation carried out under the supervision of a member of staff on a topic assigned by the Head of the Department of Engineering Science. A written report on the work must be submitted.
No final examination. Grade assessed on the work done and the report.

54.312 Engineering Mathematics IIISA
(Three lectures per week. First half-year)
A paper in advanced engineering mathematics covering topics which arise in engineering continuum mechanics. Topics will be selected from: theory of partial differential equations, method of characteristics, similarity solutions, asymptotic expansions, theory of waves, separation of variables in non-cartesian coordinates and special functions, nonlinear ordinary differential equations, calculus of variations, tensor analysis, complex variables.

54.313 Engineering Analysis A
(Three lectures per week. First half-year)
An approved choice of three modules from a list prepared each year by the Head of the Department of Engineering Science. The list include modules from the subject areas of Engineering Mathematics, Computational Techniques, Engineering Statistics, Mechanics and Operations Research.

54.317 Engineering Statistics
(Three lectures per week. Second half-year)
Topics selected from: time series and forecasting, autoregression and moving average models, Box-Jenkins models, forecasting in control, multivariate analysis with graphical methods, use of SAS for model fitting.

54.321 Computational Techniques II
(Three lectures per week. Second half-year)
Computational linear algebra, the QR algorithm and solution to least squares and eigenproblems, fast Fourier transforms.

54.323 Finite Element Methods
(Three lectures per week. First half-year)
Finite element, boundary element and finite difference methods for solving partial differential equations, methods of optimization.

54.344 Environmental Fluid Dynamics
(Three lectures per week. First or second half-year)
A number of topics in environmental fluid dynamics selected from: sub-surface and surface flows, mixing in the environment and stratified flows. The topics relate to groundwater, geothermal fields, mixing in rivers and estuaries and tidal flows.

54.345 Classical Fluid Dynamics
(Three lectures per week. First or second half-year)
A number of topics from classical fluid dynamics selected from: boundary layers, wave theory, classical inviscid flow theory, compressible flows, viscous flows and hydrodynamic stability.

54.346 Engineering Solid Mechanics
(Three lectures per week. First or Second half-year)
A number of topics illustrating the application of the continuum mechanics of solids to engineering. Topics will be selected from: viscoelasticity and the behaviour of polymeric materials, composites, plasticity theory, mechanics of structures, metal forming processes, fracture mechanics, soil mechanics, earthquake engineering and waves in solids.

54.347 Biomechanics
(Three lectures per week. First or second-half year)
A number of topics selected from: soft tissue mechanics (including large deformation analysis), the mechanics of bone and cartilage, muscle mechanics and energetics, stress analysis in joints, analysis of human gait, blood flow and oxygen transport.

54.352 Stochastic Methods in Operations Research
(Three lectures per week. Second half-year)
The application of non-deterministic methods in Operations Research, including topics such as Markov processes, stochastic programming, time series analysis, forecasting.

54.353 Deterministic Methods in Operations Research
(Three lectures per week. First half-year)
Topics associated with the application of deterministic optimization including complexity, data envelopment analysis, networks, set partitioning and dynamic programming.

54.354 Simulation
(Three lectures per week. First half-year)
Introductory queuing; techniques of simulation and its application to practical problems. The course will also introduce a modern simulation language.

54.355 Queuing and Inventory Theory
(Three lectures per week. Second half-year)
Topics will include a selection from queuing theory, inventory theory, reliability theory and decision analysis.

55.101 Mechanics of Solids I
(Three lectures and one tutorial per week. Second half-year)
Review of principles of static equilibrium; analysis of forces and moments using three-dimensional cartesian vectors. Reactions and degrees of freedom of joints; analysis of space frames. Axial and shear forces, bending moments and torsion. Concept of stress, principal stresses, transformation equations. Mohr circle of plane stress. Linear elastic behaviour and small strain theory. Approximate analysis of stress and strain in axial loading, bending and torsion including moments of area and other section properties; deflection of slender beams and column behaviour. Design of thin-walled pressure vessels.

55.102 Mechanical Engineering II
(Three lectures and one tutorial per week. Second half-year)
Introduction to the fundamentals of thermodynamics, power cycles and heat transfer. Elementary stress analysis. Miscellaneous topics.

55.113 Thermo Fluid Dynamics I
(Three lectures and one tutorial per week. Second half-year)
Thermodynamic variables, thermostatics and hydrostatics. Dimensional analysis, fluids in motion and viscosity. Integral equations of conservation of mass, momentum, and energy, first and second laws of thermodynamics, entropy. Introduction to cycles.

55.121 Applied Mechanics
(Three lectures and one tutorial per week. First half-year)
Kinematics and kinetics of particles, systems of particles, fluids and rigid bodies in two dimensions. Linear and angular momentum, work and energy. Free and forced vibrations of single degree of freedom systems.

55.213 Thermo Fluid Dynamics II
(Three lectures and one tutorial per week. First half-year)
Conservation laws, compressible flow, internal and external flows, gas mixtures and psychrometry, combustion, power and refrigeration cycles.

55.223 Dynamics and Control
(Three lectures and one tutorial per week. First half-year)

55.224 Vibrations and Control
(Two lectures and one tutorial per week. First half-year)

55.231 Industrial Administration
(Three lectures per week. Second half-year)
An introductory course for engineering students on the organisational, financial and human relations aspects of management theory and practice.
55.241 Mechanics of Solids II
(Three lectures and one tutorial per week. First half-year)
Analysis of stress and strain. Constitutive relations. Yield and fracture in metals. Bending of beams, elastic and plastic analysis of simple indeterminate beams and frames; torsion of shafts, non-circular and thin-walled sections; stability. Experimental stress analysis, testing methods; non-destructive testing.

55.251 Heat Transfer
(Three lectures and one tutorial per week. Second half-year)
Heat transfer by conduction, radiation and convection. Steady conduction through plane walls, curved shells, and fins; diffusion equation, heat generation, transient thermal response. Forced convection in external and internal flows; film coefficient; free convection from surfaces and in enclosed spaces. Radiation heat exchange between black or grey surfaces; three surface enclosures. Two stream heat exchanger analysis, log mean temperature difference; effectiveness, number of transfer units; heat exchanger design.

55.261 Mechanical Engineering Design I
(One lecture and one two-hour drawing office class per week)
The concept, design and specification of machines, mechanical plant and structures. Relationship of production and design.

55.271 Production Technology
(Three lectures and one tutorial per week. Second half-year)
Principles of plastic flow theory: yield criteria, incremental strain, incompressibility, flow rule, plastic work; analyses of bulk forming processes like extrusion, wire-drawing, forging, etc; introduction to sheet metal forming; theory of metal cutting, tool life, tool wear and machinability, introduction to economics of metal cutting, principles of numerical control, development of NC technology, computer-aided part programming techniques, processing of polymers, introduction to casting processes, continuous casting, gating, nucleation, heat flow and shrinkage, gas production and porosity, solidification processes during welding.

55.301 Project in Mechanical Engineering
(Equivalent in weight to two elective papers)
A comprehensive investigation and report on a topic assigned by the Head of the Department of Mechanical Engineering. No final examination: Grade assessed on project report and year's work.

55.303 Special Topic in Mechanical Engineering
(Three lectures per week. Either first or second half-year)
An advanced course on a topic to be determined each year by the Head of the Department of Mechanical Engineering.

55.311 Applied Fluid Mechanics
(Three lectures per week. First half-year)
Boundary-layer equations, turbulent flow, compressible pipe flow, water-hammer, tribology; turbomachinery and cavitation.

55.312 Applied Aerodynamics
(Three lectures per week. Second half-year)

55.321 Control Engineering
(Three lectures per week. First half-year)
Classical linear control theory as applied to mechanical and other relevant systems; an introduction to state-space methods and to digital control techniques.

55.322 Mechanical Vibrations
(Three lectures per week. First half-year)

55.323 Mechatronic Control Systems
(Three lectures per week. Second half-year)
An introduction to digital control methods and applications to systems involving electrical and mechanical components. Topics include: sampling, recursive and non-recursive digital filtering, fuzzy logic, pole placement, optimal control and adaptive control; real-time program structures, microcomputer architecture and programming. Significant emphasis is placed on the practical implementation of digital processes.

55.324 Acoustics
(Three lectures per week. Second half-year)
Subjective reactions. Noise control, absorption, dissipation, insulation and planning. Performance of materials. The acoustics of enclosures, rooms and rooms with acoustics.

55.331 Industrial Engineering
(Three lectures per week. First half-year)
An introduction to the problems associated with effective industrial management and the techniques used to solve them. The course considers both the human and technological aspects of productivity improvement procedures, applied to NZ industry.

55.333 Engineering Economics
(Three lectures per week. Second half-year)
A course intended to familiarise the student with the financial aspects of engineering management. Emphasis will be placed on topics such as alternative forms of costing, budgeting and profit planning, break-even analysis, transfer pricing, replacement and maintenance policies, make or buy decisions and project cost estimation.

Techniques of evaluating project and capital equipment expenditure, including consideration of the sociological and environmental factors, will be studied for both private and public sector investments.

55.334 Manufacturing Technology
(Three lectures per week. Second half-year)
Theory and practice of modern manufacturing technology: selection of optimum cutting parameters, theory of sheet metal forming; shearing, blanking and bending processes, deep drawing and punch stretching, cold roll forming and CAD in roll design, computer applications in materials testing, die design and failure analysis; computer-aided design, manufacture and assembly, robotics, materials handling, flexible manufacturing systems, concept of computer-integrated manufacturing, planning and design of manufacturing systems.

55.342 Strength of Materials
(Three lectures per week. First half-year)

55.351 Heat and Mass Transfer
(Three lectures per week. Second half-year)

55.352 Applied Thermodynamics
(Three lectures per week. Second half-year)
Energy Resources; Various power generating options; Concepts, terminology and definitions; Irreversibility and availability. Vapour cycles; steam cycles including effects of terminal conditions, feed heating and reheating. Cogeneration and process steam. Advanced gas turbine plants, combined cycles. Combustion processes. Internal combustion cycles, dissociation and equilibrium, mechanical and turbo superchargers.

55.361 Mechanical Engineering Design II
(Two lectures and one two-hour design office class per week)
The paper will develop an appreciation of the design process as applied to various mechanical systems. Design skills will be learned through a variety of advanced engineering projects
demanding the ability to synthesise the problem, evaluate a solution and communicate the results.

No final examination: Grade assessed on project reports and year's work.

56.101 Mineral Engineering

(Two lectures per week)


56.203 Mineral Processing Technology

(Two lectures, one tutorial per week, first half-year)


56.212 Mine Environment and Ventilation

(Three lectures and one tutorial per week. First half-year)


56.214 Unit Operations in Mining

(Two lectures, half tutorial per week)


56.215 Bulk Materials Handling

(Three lectures per week. Second half-year)


56.231 Mine Surveying

(Three lectures per week. First half-year)


56.312 Evaluation and Mineral Economics

(Two lectures per week and 12 hours laboratory, first half-year. Two lectures per week, second half-year)

Orbbody evaluation, geostatistics. Mineral economics feasibility, taxation, metal pricing and marketing. Concept of exhaustibility and cut-off grade.

56.313 Mine Design

(One lecture per week and 12 laboratory hours, first half-year. One lecture and three design office hours per week, second half-year)

Design of mine layouts including services; environmental and economic assessments. Students will be required to do design exercises in surface and underground mining in both metalliferous and coal. This paper will include a field exercise.

56.314 Rock Mechanics

(Three lectures per week and 15 laboratory hours. First half-year)

Behaviour of rock masses; rock properties, strength, deformation and failure. Laboratory and in situ testing, instrumentation. Analytical models of rock as linear elastic, plastic and visco-elastic media, numerical solutions. Underground excavation stability, rock-support interaction and slope stability. Ground control, rock improvement techniques and subsidence.

56.315 Project in Mining Engineering

The candidate is required to submit a report on a topic in mining engineering assigned by the Head of the Department of Civil and Resource Engineering. The work will be supervised by a member of staff.

56.317 Mine Production Engineering

(Three lectures per week. First half-year)

Mine production techniques in coal and metalliferous mining. Special topics in coal and metalliferous mining. Safety.

56.319 Special Topic in Mining Engineering

(Three lectures per week. Second half-year)

An advanced paper on a topic in Mining Engineering to be determined by the Head of the Department of Civil and Resource Engineering.

†56.320 Special Topic in Mineral Process Engineering

(Three lectures per week. Second half-year)

An advanced paper on a topic in Mineral Process Engineering to be determined by the Head of the Department of Civil and Resource Engineering.

Practical Work

1. Before enrolling for papers of the Third Examination, candidates for the BE Degree are required to have completed to the approval of the Faculty of Engineering a recognised course in Workshop Practice. A candidate who has attended a similar course elsewhere before enrolling at the University of Auckland may apply to the Faculty for that course to be approved. Candidates who have been exempted by the Senate from the Second Examination are not required to complete a course in Workshop Practice.

2. (a) Except as otherwise provided, candidates may not be admitted to the Degree until they have obtained approved practical experience in engineering works for at least 800 hours. Candidates should undertake such practical experience during Summer vacations and it is expected that they will have completed at least one period of work before enrolling for papers of the Third Examination. All practical work must be approved by Faculty and shall meet the requirements of the appropriate department as set out in the current School of Engineering Handbook.

(b) The first period of practical work should permit candidates to become familiar with engineering processes and trade skills, particularly those appropriate to the branch of engineering being followed. Subsequent periods shall be related to the particular branch of engineering and may include work of a sub-professional nature. It is expected that the experience gained will be as broad as possible. The advice of the appropriate departmental member of the Practical Work Committee of the Faculty of Engineering may be sought before employment is accepted.

(c) At the conclusion of each period of practical work a candidate must submit to the Faculty:

(i) a certificate signed by the employer showing the type of work carried out, the dates covered, the number of hours worked and the standard of attendance and performance;

(ii) a satisfactory report on the work performed.

Official certificates and instructions on the form of report required may be obtained from the School of Engineering office. Reports shall be submitted not later than 31 March following completion of the work period. They will then be assessed and graded. Only in exceptional circumstances will late submissions be accepted. In order to allow sufficient time for assessment, final reports for candidates who wish to take part in the graduation ceremony should be submitted before 1 March.

(d) The Faculty of Engineering may approve the reduction in the 800 hours practical work requirement for candidates who hold a New Zealand Certificate in Engineering or who have obtained substantial practical experience in engineering work before enrolment in the BE Degree Course. Any reduction in duration will depend on the nature and extent of employment undertaken. Evidence of such work may be required. In all cases at least one report on a total work period of not less than 400 hours must be submitted. Candidates must make application in writing to the Faculty by 1 April in the year of first enrolment in order to ascertain...
51.416 Advanced High Temperature Processing
A theoretical and applied treatment of selected topics related to industrial processing in New Zealand. Examples may include electrochemical engineering for aluminium production, reactors, heat and mass transfer in electrothermal production of metals and slags, metallurgical reactors for treatment and quality control of metals and alloys.

51.421 Advanced Materials
A graduate paper on selected advanced materials and their processing. The emphasis will be on new developments and trends in Materials Science and Engineering in areas that have had a tremendous impact on modern technology and society. Topics covered may be selected from surface treatment and engineering, processing nanocrystalline materials and composites, rapid solidification and mechanical alloying, diffusion synthesis, processing via solid state reactions, intermetallics, amorphous alloys and superconductors.

51.422 Materials Seminar
A graduate paper on a topic or topics in the field of materials to be determined each year by the Head of the Department of Chemical and Materials Engineering.

51.423 Studies in Materials Engineering
An advanced paper on topics to be determined each year by the Head of the Department of Chemical and Materials Engineering.

51.424 Advanced Materials Characterisation
A graduate paper on modern methods for materials microstructural characterisation and analysis including electron microscopy (SEM and TEM), microanalysis and surface analysis, atomic force microscopy, (AFM), scanning tunnelling microscopy, (STM). The paper will include both principles and practical experience of these techniques.

51.425 Advanced Materials Performance
A theoretical and applied treatment of selected topics related to materials performance which could include structure-property-performance relationships, advanced topics in fracture mechanics, fatigue wear and high temperature performance including creep and oxidation. An aspect of the course will be practical experience with techniques.

52.401 Special Seminar in Civil Engineering A
An advanced paper on a topic to be determined each year by the Head of the Department of Civil Engineering.

52.402 Special Seminar in Civil Engineering B
An advanced paper on a topic to be determined each year by the Head of the Department of Civil Engineering.

52.411 Mechanics and Properties of Materials Seminar
Special topics selected from recent developments in the mechanics and properties of selected materials used in civil engineering.

52.421 Fluid Mechanics Seminar
Special topics selected from fluid dynamics, water resources engineering, statistics and numerical methods.

52.422 Advanced Fluid Mechanics
Selected topics from applied fluid mechanics and hydraulics.

52.423 Coastal Engineering
Waves, wave theories, wave forces on structures. Breakers, tsunamis, flow induced oscillations, resonance problems, tidal estuaries. Sediment transport by waves. Topics from coastal and harbour engineering.

52.424 Advanced Water Resources
Selected topics from hydrology and water resources engineering.

52.431 Advanced Materials
A graduate paper on topics to be determined each year by the Head of the Department of Chemical and Materials Engineering.

51.411 Advanced Process Control
A theoretical and applied treatment of selected advanced materials and their processing. The emphasis will be on new developments and trends in Materials Science and Engineering in areas that have had a tremendous impact on modern technology and society. Topics covered may be selected from surface treatment and engineering, processing nanocrystalline materials and composites, rapid solidification and mechanical alloying, diffusion synthesis, processing via solid state reactions, intermetallics, amorphous alloys and superconductors.

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Special topics selected from fluid dynamics, water resources engineering, statistics and numerical methods.

52.422 Advanced Fluid Mechanics
Selected topics from applied fluid mechanics and hydraulics.

52.423 Coastal Engineering
Waves, wave theories, wave forces on structures. Breakers, tsunamis, flow induced oscillations, resonance problems, tidal estuaries. Sediment transport by waves. Topics from coastal and harbour engineering.

52.424 Advanced Water Resources
Selected topics from hydrology and water resources engineering.

52.431 Advanced Materials
A graduate paper on topics to be determined each year by the Head of the Department of Chemical and Materials Engineering.

51.411 Advanced Process Control
A theoretical and applied treatment of selected advanced materials and their processing. The emphasis will be on new developments and trends in Materials Science and Engineering in areas that have had a tremendous impact on modern technology and society. Topics covered may be selected from surface treatment and engineering, processing nanocrystalline materials and composites, rapid solidification and mechanical alloying, diffusion synthesis, processing via solid state reactions, intermetallics, amorphous alloys and superconductors.
and engineering geology to practical problems in civil engineering.

52.434 Earth Structures
The stability, deformation, design and construction of earth structures.

52.441 Structural Dynamics

52.442 Structures Seminar
Selected topics from recent developments in structural analysis and design.

52.443 Structural Analysis
Analytical methods for some or all of the following structures: space frames and grids, shear wall systems, folded plant structures, bridges superstructures. Solution techniques will include approximate methods, matrix and computer methods. Optimisation techniques and computer-aided design may also be included.

52.444 Space Structures
Selected topics in the analysis of space structures such as cable structures, plate and shell structures. Special consideration for stability, elasticity and plasticity may also be included.

52.451 Environmental Law
See prescriptions for LLB, paper 25.313.

52.461 Structural Design
Design philosophies. Special considerations in steel, reinforced concrete, prestressed concrete and masonry structural design. The background to and the use of design codes.

52.471 Traffic Engineering
Selected topics from: Signal performance measures (queues, delays, stops). Coordination of signals, platoon dispersion. One-way street systems. Pedestrian activity design, capacity analysis and levels of service. Queuing theory and applications. Simulation. Design of large scale parking, street lighting.

52.472 Transportation Engineering Seminar
Selected topics from recent developments in the planning and design of transport facilities and systems.

52.473 Transportation Planning

52.474 Transportation Systems Analysis
Selected topics from transportation systems and land use planning with emphasis on analysis and evaluation.

52.475 Highway Operations and Evaluation
Selected topics from: Highway capacity and level of service analyses for motorways, urban arterials and rural two-lane highways. Speed prediction and vehicle operating cost modelling. Passing/climbing lane evaluation. Computer simulation packages. Economic evaluation models and appraisal techniques.

52.481 Project Management A
Planning, organisation and control of large engineering projects.

52.482 Case Studies in Project Management
Analysis of the management of some large engineering projects currently in hand or recently completed.

52.483 Project Management B
Estimating and cost control, contracts and decisions.

52.491 Public Health Engineering Seminar
Selected topics from water and wastewater engineering pollution control.

52.492 Solid and Hazardous Waste Management
A review of topics and issues in solid and hazardous waste management including: waste generation, minimisation and disposal; best management practices for hazardous waste control and disposal; legislation and administration.

52.493 Environmental Systems Modelling
Case studies in pollutant transport and dispersion within the air, land, and water environments are reviewed using a variety of numerical models.

53.401 Studies in Electrical and Electronic Engineering A
53.402 Studies in Electrical and Electronic Engineering B
53.403 Studies in Electrical and Electronic Engineering C
Advanced papers on topics to be determined each year by the Head of the Department of Electrical and Electronic Engineering.

53.432 Electronic Circuits and Systems
A graduate paper covering state of the art topics in Advanced Electronics including: computer aided circuit analysis; non-linear circuit concepts; oscillators; mixers; power amplifiers; stability; noise.

53.441 Heavy Current Electronics
Selected topics in the utilisation of thyristor devices in industrial electrical engineering applications.

53.451 Digital Signal Processing
Fast Fourier transform (FFT) discrete operations via FFT digital filters, finite impulse (FIR) and infinite impulse response (IIR) design techniques for FIR and IIR filters; hardware implementations and noise analysis. State-space synthesis and non-linear behaviour of digital filters. Signal coding and bandwidth compression techniques. Two dimensional signal and image processing.

53.452 VHF and UHF Radio Communication
A paper concerned with the planning and design of VHF and UHF Radio Communication Systems. Consideration will be given to analogue and digital systems, and both mobile and point-to-point services.

53.471 Advanced Control Systems
Theory of modern control systems with emphasis on optimisation techniques for both deterministic and stochastic processes. State-space modelling of dynamic systems and choice of suitable performance criteria. Examples of applications and discussion of computational problems.

53.483 Topics in Information Engineering
A graduate paper on topics in information engineering including Artificial Neural Network (ANN) models; software simulation methods; hardware systems, engineering applications of ANN's; genetic algorithms; fuzzy logic systems; fuzzy logic neural networks; digital coding; variable length codes; synchronisation issues; error correcting codes; encryption techniques; public key cryptography.

54.401 Studies in Engineering Science
A graduate paper on topics to be determined each year by the Head of the Department of Engineering Science.

54.411 Studies in Engineering Mathematics
A graduate paper in Mathematics applied to Engineering problems on such topics as the theory of ordinary differential equations, partial differential equations, perturbation methods, advanced numerical analysis; etc.

54.421 Advanced Finite Element Methods
A graduate paper on finite element formulations and applications to problems such as stress analysis, seepage, heat transfer and fluid flows.

54.422 Nonlinear Optimisation
A study of theoretical conditions for optimality in non-linear optimisation and numerical methods for the solution of systems of non-linear equations and constrained and unconstrained optimisation problems including the non-linear least-squares problem.

54.423 Advanced Linear Optimization
This paper discusses advanced topics in linear optimization including degeneracy resolution, LU basis handling techniques, elastic LP, the Primal/Dual method, decomposition methods and interior point methods.

54.441 Studies in Continuum Mechanics A
54.442 Studies in Continuum Mechanics B
Graduate papers in Continuum Mechanics covering topics in the mechanics of solids and fluids and other continua.
Faculty of Engineering

54.451 Studies in Operations Research A
Graduate papers in recent developments in Operations Research and applications.

54.452 Studies in Operations Research B
Graduate papers in recent developments in Operations Research and applications.

54.455 Advanced Systems Analysis A
A graduate-level paper on topics to be determined each year by the Head of the Department of Engineering Science.

54.456 Advanced Systems Analysis B
A graduate-level paper on topics to be determined each year by the Head of the Department of Engineering Science.

54.461 Studies in Control Theory
A graduate paper in modern Control Theory including such topics as optimal control, stochastic and non-linear systems.

54.481 Geothermal Modelling
A study of mathematical methods currently used in geothermal reservoir engineering, and an introduction to the computer modelling of geothermal flows.

54.491 Bio-Engineering
An introduction to the application of engineering principles and methods in biomedical research. Mechanical properties of living tissue: constitutive laws, structure/function relationships, myocardial and lung mechanics, haemodynamics. Biological control mechanisms. Electrophysiology. Instrumentation and measurement: principles and applications.

55.401 Studies in Mechanical Engineering
An advanced paper on topics to be determined each year by the Head of the Department of Mechanical Engineering.

55.411 Fluid Dynamics
Equations of fluid motion, laminar duct flow, laminar boundary layers and free shear layers, structure of turbulence, turbulent duct flow and turbulent shear layers.

55.412 Aerodynamics
Thin-airfoil theory, distributed singularity methods, lifting-line and lifting-surface theory, vortex lift; computation of boundary layers, prediction of drag and separation; bluff body flows, wind loading.

55.413 Wind Engineering
Basic meteorology and extreme wind speed analysis; planetary boundary-layer flow; wind structure; loads on engineering structures; dynamic response to turbulence; vortex shedding and aerelastic effects; wind tunnel testing.

55.422 Mechanical Control Systems
A selection of topics from modern control theory, directed towards the application of appropriate techniques in the description and simulation of mechanical systems. Emphasis will be placed on a structured approach to the analysis of control systems.

55.434 Computer Integrated Manufacturing and Robotics
A study of computer integrated manufacturing (CIM) appropriate to the needs of New Zealand industry. The course will deal with the integrated use of robots, workstations, materials handling and control systems.

55.435 Computers in Manufacturing
A paper dealing with the development of manufacturing management and information systems through the use of planning, modelling, simulation and artificial intelligence computing techniques.

55.441 Mechanics of Materials

55.442 Vibrations
A selection from topics including analysis of multiple degree of freedom and continuous systems, numerical methods, random vibrations and spectral analysis, vibration measurement and testing methods, modal analysis, wave propagation, sound radiation and sound-structure interaction.

55.452 Reciprocating Internal Combustion Engines
Combustion processes; calculations for Diesel and Otto cycles, including turbocharging; ideal, fuel-air and real cycles; use of alternative fuels as supplements or replacements.

55.461 Computer Graphics and Computer Aided Design
Fundamentals of computer graphics as related to applications in engineering, the mathematics of surface and solid geometry as applied to design and manufacturing, computer aided draughting and design systems.

55.471 Production Technology

55.472 Metal Forming
Plasticity, analysis of deformation processes, application of upper bound and slip-line field techniques to bulk forming of metals. Properties and behaviour of sheet metals, anisotropy, strain mapping, determination of forming limits.

55.491 Computational Fluid Dynamics and Numerical Heat Transfer
The application of computational methods to fluid dynamics and heat transfer. Finite difference, finite volume, finite element, spectral and panel methods. Convergence and stability. Mesh generation and post-processing. Application of commercial computer programs to industrial problems.

55.493 Geothermal Heat and Mass Transfer
The application of the principles of heat and mass transfer to geothermal energy technology. Topics include transmission of geothermal fluids within the reservoir and through pipe networks; heat exchangers; condensers; heat rejection; economic considerations.

56.401 Advanced Mineral Processing
An advanced paper on a topic or topics in mineral processing to be determined each year by the Head of the Department of Civil and Resource Engineering.

56.411 Advanced Mining Engineering
An advanced paper on a topic or topics in mining engineering to be determined each year by the Head of the Department of Civil and Resource Engineering.

56.412 Seminar in Mining Engineering
A graduate-level paper on a selected aspect or aspects of mining engineering to be determined each year by the Head of the Department of Civil and Resource Engineering.

56.414 Advanced Geostatistics and Resource Evaluation
Theoretical and practical geostatistics, including the application of commercial-scale computer packages to problems of natural resource evaluation. Further study of extraction policy formulation and cutoff grade decisions.

56.415 Advanced Rock Mechanics
Further topics in rock mechanics.

86.401 Geothermal Systems and Technology
Scope of geothermal projects, features of geothermal systems, properties of geothermal fluids. Introduction to geothermal exploration, production and utilization technology. Reservoir engineering, economics, environmental and legal aspects. Case histories.

Either

86.402 Geothermal Production Technology
Drilling technology and completion tests, fluid transmission, thermodynamics and fluid mechanics of geothermal fluids, well operation and analysis. Reservoir modelling and assessment, corrosion and deposition, materials.

or

86.403 Geothermal Energy Utilisation

Note: * Starred papers will not be taught during the current Calendar year.
† Daggered papers will not be taught during the current Calendar year unless sufficient staff is available.
DIPLOMA COURSE REGULATIONS

DIPLOMA IN ENVIRONMENTAL MANAGEMENT DipEnvirMgmt

The Diploma in Environmental Management is an Inter-faculty offering. For detailed Regulations refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

DIPLOMA IN GEOTHERMAL ENERGY TECHNOLOGY DipGeothermTech

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General) and the Examination Regulations.

1. Subject to the Admission Regulations, a candidate for the Diploma in Geothermal Energy Technology shall before enrolment for this Diploma:
   (a) have been admitted or have qualified for admission to a Bachelor’s Degree in Science or Engineering, or
   (b) have reached an equivalent level of attainment in science or engineering to the approval of the Senate.

2. Admission to the course of study shall be at the discretion of the Senate on consideration of a recommendation from the Board of Studies, Geothermal Institute.

3. A candidate for the Diploma shall follow a course of study of one year.

4. The Course of study for the Diploma shall consist of three parts. The Diploma shall be granted by examination.

   **Part I**
   A core paper in Geothermal Systems and Technology (86.100) (two paper value)

   **Part II**
   EITHER
   (a) Geothermal Exploration for Earth Scientists (86.101) and
   (b) Geothermal Exploration Technology (86.102)
   OR
   (c) Geothermal Production Technology (86.103) and
   (d) Geothermal Energy Utilisation (86.104).

   **Part III**
   A project (86.606) on some aspect of Geothermal Energy.

5. The project (86.606) shall be delivered to the Registrar by October 25 of the year of the candidate’s enrolment for the Diploma, or such later date as may be approved by Senate.

6. These Regulations shall come into force on 1 January 1985.

DIPLOMA IN PULP AND PAPER TECHNOLOGY DipPulpPaper

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General) and the Examination Regulations.

1. Subject to the Admission Regulations, a candidate for the Diploma in Pulp and Paper Technology shall before enrolment for this Diploma:
   (a) have been admitted or have qualified for admission to a Bachelor’s Degree in Engineering, Forestry or Science, or
   (b) have reached to the satisfaction of Senate an equivalent level of attainment in science or engineering, or
   (c) have a New Zealand Certificate in Engineering or Science (or equivalent) and have completed a minimum of three years relevant industrial experience to the satisfaction of Senate.

2. Admission to the course of study shall be at the discretion of the Senate on consideration of a recommendation from the Board of Studies, Pulp and Paper Technology Diploma.

3. A candidate for the Diploma shall follow a formal course of study of 15 full-time weeks followed by a further 12 weeks full-time industrial project approved by the Board of Studies, Pulp and Paper Technology Diploma.

4. Every candidate for the Diploma shall pass in each of six papers and pass in respect of a project as follows:
   - The Forest Products Industry (191.501)
   - Mechanical Pulping (191.502)
   - Chemical Pulping (191.503)
   - Papermaking (191.504)
   - Process and Environmental Control (191.505)
   - Properties and Uses of Pulp and Paper (191.506)
   and
   Project (191.607)

5. A candidate must submit the written project not later than 1 December in the year of enrolment provide that the Senate may, in exceptional circumstances, extend the period.

6. The requirements for the Diploma shall be completed by 1 December in the year of enrolment for the Diploma.

7. These Regulations shall come into force on 1 January 1991.
DIPLOMA COURSE PRESCRIPTIONS

DipGeothermTech
The Course of study for this Diploma is taught under the auspices of the Geothermal Institute which was established within the University of Auckland by funding from the United Nations Development Programme and the New Zealand Government. Funds are now provided by the Ministry of External Relations and Trade. Teaching will be carried out within the Faculty of Science and the School of Engineering by the academic staff, and by visiting lecturers from Government agencies and private organisations engaged in geothermal exploration and development.

Applications for admission to this Diploma course by foreign students must be made to the Board of Studies, Geothermal Institute by 1 August (15 October for New Zealand students) for entry to the course in the following year. The number of students accepted for the course will be restricted each year.

Part 1

86.100 Geothermal Systems and Technology

Part 2 Either

(a) 86.101 Geothermal Exploration for Earth Scientists
Petroleum, secondary mineralisation and alteration. Drillhole logging. Geochemistry of geothermal fluids. Geophysical investigation of geothermal fields. Estimation and assessment of thermal field potential, and

(b) 86.102 Geothermal Exploration Technology

Or

(c) 86.103 Geothermal Production Technology
Drilling techniques and completion tests, fluid transmission, thermodynamics and fluid mechanics of geothermal fluids, well operation and analysis, reservoir modelling and assessment, corrosion and deposition, materials for geothermal plant, and

(d) 86.104 Geothermal Energy Utilisation

DipPulpPaper
The course of study for this Diploma is carried out in conjunction with the Pulp and Paper Research Organisation of New Zealand (PAPRO). Teaching will be carried out by staff from PAPRO and the Forest Research Institute (FRI), specialists from the pulp and paper industry, and academic staff from the University. Lectures and laboratories will be held at FRI in Rotorua, and students are expected to be domiciled in Rotorua for the duration of the formal coursework. The course fee is based on a user-pays basis; one full-fee scholarship will be offered each year by the industry to unsponsored candidates.

1. 191.501 The Forest Products Industry
(Five lectures and three laboratory hours per week. First half of the course)

2. 191.502 Mechanical Pulping
(Three lectures and four laboratory hours per week. First half of the course)

3. 191.503 Chemical Pulping
(Three lectures and four laboratory hours per week. First half of the course)

4. 191.504 Papermaking
(Three lectures and four laboratory hours per week for the full length of the course)

5. 191.505 Process and Environmental Control
(Three lectures and three laboratory hours per week. Second half of the course)

6. 191.506 Properties and Uses of Pulp and Paper
(Seven lectures and two laboratory hours per week. Second half of the course)

7. 191.607 Project
(Full-time project, 12 weeks duration)
The industrial project will be either a research project or a professional level investigation set by the course organisers in conjunction with industry and must be approved by the Board of Studies.

There will also be eleven plant visits, each occupying one day.
CERTIFICATE REGULATIONS

CERTIFICATE IN GEOTHERMAL ENERGY TECHNOLOGY

CertGeothermTech

Each candidate for the Certificate has to enrol for the Diploma in Geothermal Energy Technology. The course for the Certificate in Geothermal Energy Technology normally involves attendance at all lectures, laboratories and field trips of the papers 86.100 and either 86.101 and 86.102 or 86.103 and 86.104. However, during the year the candidate may be advised by Director of the Geothermal Institute to either not to submit the project (86.606) and to continue with only those courses proceeding to a final written examination (i.e. 86.100, and either 86.101 and 86.102 or 86.103 and 86.104) or to submit the project 86.606 and to continue with only two of the courses proceeding to a final written examination (86.100, 86.101, 86.102, 86.103, 86.104).

Examinations: Candidates will be assessed on their practical work and written tests during the course. The Certificate may be awarded for a pass in the following papers: 86.100 and either 86.101 and 86.102 or 86.103 and 86.104. Alternatively, the Certificate may be awarded for a pass in two of the following papers: 86.100, 86.101, 86.102, 86.103, 86.104 and a pass in the 86.606 project.

Prerequisites: As for Diploma in Geothermal Energy Technology.
# Faculty of Fine Arts

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ELAM SCHOOL OF FINE ARTS

In celebration of the University Centenary, the name of the School reverted in 1983 to Elam School of Fine Arts, acknowledging John Edward Elam who, when he died in 1888, bequeathed funds to establish an art school in Auckland. The Elam School of Art & Design opened in 1890 in rooms at the Auckland Art Gallery, with E.W. Payton its first Director. The School quickly became an important influence on the artistic life of the city, becoming registered in 1900 and adding evening classes in 1902. A new building in Rutland Street provided space for the growing School from 1914, and, in 1925, A.J.C. Fisher was appointed Director, remaining in that post until his death in 1959. During the mid-30s the School moved to more spacious accommodation in the Old Grammar School in Symonds Street, using the Old Newton West Primary School after the January 1949 fire. In 1950 the School became part of Auckland University College, and began offering Diploma courses. The first Chair of Fine Arts was established in 1961 and Professor Paul J. Beadle was appointed. In 1962 the School moved to its present building in Whitaker Place. Degree courses began in 1967, and, in 1968, a separate Department of Art History was established. Professor Jolyon D. Saunders became Head of Department and Dean in 1977 when Professor Beadle assumed the first Personal Chair in Fine Arts. In 1994 Professor Michael Dunn was appointed Head of Department and Dean. The Elam School of Fine Arts offers the Bachelor of Fine Arts Degree of four years’ duration, and the Master of Fine Arts Degree and the Master of Philosophy Degree, each of two years’ duration. Courses of study for each of these Degrees involves a proportion of studio activities and theoretical studies which can be varied to accommodate the needs of individual students.

Bachelor of Fine Arts (BFA)

All students entering the first year of the BFA course take a common programme which consists of practical studio activities conducted in the School of Fine Arts and two papers presented by the Department of Art History. Studio sessions are held in the morning from 9 am - 1 pm and the Art History study in the afternoons between 2 pm and 4 pm.

The first year studio programme consists of assignments and concentrated workshop sessions in design, drawing, painting, sculpture, intermedia and photography. Upon the completion of the first year, some degree of specialisation is normally expected. Regular seminars and personal tutorials are essential features of the courses, as are studio theory papers dealing with historical, critical and technical topics.

Master of Fine Arts (MFA)

Any person wishing to enrol for the Master of Fine Arts Degree shall have passed the final year of the Bachelor of Fine Arts course with a Studio grade higher than B.

Course options allow the proportion of practical to theoretical studies to be varied. Studio work consists of a practical performance in an aspect of painting, sculpture, printmaking, photography, intermedia or design.

Candidates are required to present a course outline of their proposed programme to the Dean prior to 31 March. Graduate students are expected to base their activities in their studios during School hours, and to participate in a series of seminars on theoretical, critical and historical issues. In addition they are required to present a dissertation on a topic other than the main subject of their studio work, and to present an exhibition of their work at the end of the final year.

Master of Philosophy (MPhil)

The course requirements are the same as for the MFA Degree.

THE DEGREE COURSE REGULATIONS

OPTION I AND OPTION II

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their Course of study students are referred to the Enrolment and course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations, a candidate for the Degree of Bachelor of Fine Arts shall:
   (a) follow a course of study of not fewer than four years, taking either Option I or Option II prescribed in these Regulations and
   (b) pass four Professional Examinations.

2. In these Regulations:
   ‘Papers’ includes Studio I, Studio II, Studio III and Studio IV.
   ‘Prescribed’ in relation to any candidate means the following papers:
   ‘Approved papers’ in relation to any candidate means any of the following:
   (i) prescribed for the Degree of BA, BSc or any other degree and
   (ii) approved by the Head of the Department of Fine Arts for the course of that candidate for this Degree and by the Head of the Department in which the paper is taken.

3. The subjects of Examination for the Degree shall be:
   First Professional Examination 7 papers, consisting of:
   (i) Studio I: 27.165 having the value of 5 papers, and
   Second Professional Examination 7 papers, consisting of:
   (i) Studio II: 27.265 having the value of 5 papers and
   (ii) Two approved papers.

Note: (i) Students planning to take Studio III Sculpture must have passed 27.216.
Third Professional Examination 7 papers, consisting of:
(i) Studio III: 27.365 having the value of 5 papers and
(ii) Two approved papers.

Fourth Professional Examination 7 papers, consisting of:

Either Option I
Studio IV: 27.465 having the value of 7 papers
or Option II
(i) Studio IV: 27.475 having the value of 3 papers and
(ii) Two Art History papers at Stage II level or above, including at least one at Stage III level.
(iii) Two Approved papers.

Savings and Transitional Provisions
10. Each Professional Year must be passed as a whole and a pass in each Professional Examination, as published in the 1994 Calendar, will be considered the prerequisite for entry into the subsequent Professional Year under these Regulations.

11. The course of every candidate shall be governed by these Regulations.

12. These Regulations shall come into force on 1 January 1994.
A candidate shall carry out work satisfactory to the Dean of the School of Fine Arts within an individually planned programme approved by the Head of the Department including the presentation of an exhibition of his/her work and an adequate printed catalogue thereof not later than 1 November in the year in which the work is undertaken or such later date as may be approved by the Head of the Department.

**Option II**

**First Year:**
- Part I: Studio V: 27.552 (value of 2 papers).
  
  **Note:** Students may apply to defer their submission for Studio V until the end of the second year.
- Part II: Two Art History papers approved by the Head of the Department of Fine Arts being either two papers chosen from 19.400-19.415, or one paper chosen from 19.400-19.415 and one of the papers prescribed for Art History III not already credited to the Degree of Bachelor of Fine Arts. A candidate shall carry out work satisfactory to the Dean of the School of Fine Arts within an individually planned programme approved by the Head of the Department including the presentation of an exhibition of his/her work and an adequate printed catalogue thereof not later than 1 November in the year in which the work is undertaken or such later date as may be approved by the Head of the Department.

**Second Year:**
- Part III: One of the following which shall have the value of three papers:
  1. (a) Thesis 19.601 on a special topic in Art History approved by the Head of the Department of Art History, or
  2. (b) Thesis 27.601 on a special topic related to the candidate's programme of work for Studio V and approved by the Head of the Department of Fine Arts.

5. (1) No candidate taking Option I shall take Studio VI without having first passed in Studio V unless the Head of the Department permits the work for Studio V to be examined with the work for Studio VI in the second year of the course.

6. (2) A candidate taking Option II shall not take Art History IV unless he/she has either passed eight papers in Art History including three Stage III papers or complied with such prerequisites as the Head of the Department may otherwise prescribe for him/her.

5. (3) In respect of any prescribed or approved paper taken in either Option I or Option II and offered for a degree other than this, a candidate shall be required to comply with all regulations applicable thereto for that other degree (including all prerequisites, corequisites and restrictions).

5. (4) Any student wishing to transfer between Options I or II must obtain the approval of the Senate.

**Honours**

6. (a) There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions: First Division and Second Division.

(b) Honours shall not be awarded if the papers in the first year in which a candidate is examined in Art History for this Degree are unsatisfactory or either the work in Studio V, VI, or the thesis at its first presentation is unsatisfactory: provided that, subject to the provisions of paragraph (c) of this Regulation, a candidate whose performance at the written examination has been seriously impaired by illness (certified as under the aegrotat Regulations) may elect, instead of applying for an aegrotat award, to present himself/herself at a subsequent written examination and still be eligible for the award of Honours.

(c) A candidate shall be eligible for the award of Honours only upon completion of the requirements for Honours within three years of his/her first enrolment for this Degree; but this period may be extended in exceptional circumstances by the Senate.

**Savings and Transitional Provisions**

7. Each Professional Year must be passed as a whole and a pass in First Year under the Regulations, as published in the 1994 Calendar will be considered the prerequisite for entry into Second Year under these Regulations.

8. These Regulations shall come into force on 1 January 1994.

**DEGREE COURSE PRESCRIPTIONS**

**DEPARTMENT OF ART HISTORY**

**Art History I**

(Two papers)

19.151 Renaissance Art to c.1520

Renaissance Art from around 1300 to c. 1520 in Italy and Flanders.

19.153 Maori and other Polynesian Arts

An introduction to Maori and other Polynesian arts.

19.154 Introduction to New Zealand Art

Includes landscape, representations of the Maori and Regionalism among other topics.

19.155 Topics in Mid to Late 19th Century European Art 1848-1900

An introduction to European art from Realism to Symbolism.

Restriction: 19.152

19.156 20th Century Western Art

An introduction to Western Art from Cubism to the present day.

Restriction: 19.152

**Art History II**

(Three papers)

19.259 Topics in 18th and early 19th Century Art

A study of Neoclassic and Romantic Art. 


19.260 Topics in Baroque and Rococo Art

Selected topics in Baroque Art from 1580 to 1750.


Restriction 19.257.

*19.261 Topics in Northern European Art from 1400 to 1600*

This paper will comprise a survey of art in Northern Europe with the focus on developments in painting and sculpture. Artists include the Van Eycks, H. Bosch and Pieter Bruegel.


Restriction 19.258.

19.262 Topics in 20th Century Art

Selected topics in 20th Century Art.


19.263 Contemporary Maori and Polynesian Art

This paper deals with Maori and other Polynesian Art since 1950. In addition to discussion of individual artists and their works, attention will also be paid to issues such as appropriation and biculturalism.


Restriction: 04.211.

Note: The same paper is offered as Maori Studies 04.211.

19.264 Te Kete Aronui/Maori Art and Material Culture

This paper will introduce students to Maori material culture from ancient times right up to the present.

Prerequisites: 04.101 or 19.153. Restriction: 04.113, 04.206.

Note: The same paper is offered as Maori Studies 04.206.

19.265 Women Artists

This paper will provide an introduction to the work of key women artists in Europe and America from the medieval to the present.

**Art History III**

(Three papers)

19.301 Medieval Book Illumination

Topics in medieval book illumination.
To be prescribed by the Head of Department.

**Prerequisites:** Two of 19.251-19.253 or two of 19.257-19.265.

19.302 Mid-19th Century Painting in France and Britain

Selected topics in mid 19th century British and French art.

**Prerequisites:** Two of 19.251-19.253 or two of 19.257-19.265.

*19.304 Dürer and his Sources and Influence

A detailed examination of Dürer's work and influence.

**Prerequisites:** Two of 19.251-19.253 or two of 19.257-19.265.

19.305 Nationalist Themes in New Zealand Art, 1930 to the present

Selected topics in New Zealand Art including Nationalism.

**Prerequisites:** Two of 19.251-19.253 or two of 19.257-19.265

19.306 Topics in Roman Baroque Art and Architecture

**Prerequisites:** Two of 19.251-19.253 or two of 19.257-19.265.

19.307 Art in the USA, 1945-75

A study of American art in painting and sculpture from 1930 to c.1975.

**Prerequisites:** Two of 19.251-19.253 or two of 19.257-19.265.

*19.308 Topics in early 20th Century Sculpture

Mainly an introduction to European sculpture from 1890 to 1940.

**Prerequisites:** Two of 19.251-19.253 or two of 19.257-19.265.

19.309 Women in Art

An issues-oriented study of women's art and theory.

**Prerequisites:** Two of 19.251-19.253 or two of 19.257-19.265.


*19.310 Topics in 17th Century Graphic Art

An introduction to 17th century prints and printmaking.

**Prerequisites:** Two of 19.251-19.253 or two of 19.257-19.265.

19.311 Contemporary New Zealand Art

Topics in New Zealand art of the past 50 years.

**Prerequisites:** Two of 19.251-19.253 or two of 19.257-19.265.

19.312 Topics in 19th and 20th Century Architecture and Design

An introduction to architecture and design in Europe and America from 1580 to the present.

**Prerequisites:** Two of 19.251-19.253 or two of 19.257-19.265.

*19.313 Michelangelo

A detailed introduction to Michelangelo's sculpture, architecture, drawings and painting.

**Prerequisites:** Two of 19.251-19.253 or two of 19.257-19.265.

19.314 Nicholas Poussin and 17th Century Classicism

**Prerequisites:** Two of 19.251-19.253 or two of 19.257-19.265.

Art History for MFA

*19.400 Topics in 17th Century Drawing

*19.401 Topics in Australian and New Zealand Art (Advanced)

*19.402 Special Topic in Western Art before 1600

To be prescribed by the Head of Department.

19.403 Watteau and his Sources and Influence

19.404 Film Studies

*19.405 Nicolas Poussin and 17th Century Classicism

Note: A candidate who has been credited with a pass in 19.303 may not take this paper.

19.406 Art Historiography

*19.407 A Topic in Medieval Art

19.408 European Representations of non-European peoples and places

19.409 Topics in The Theory of Modern Art

19.410 Topics in 19th and 20th Century Sculpture

19.412 Women in Art (Advanced)

19.413 Topics in Maori Art

19.414 Image and Text

19.415 Structures in 15th Century Italian Renaissance Art

**FINE ARTS**

**Studio Theory**

27.201 Art Critique

The objective is twofold; (a) to foster the student's ability to formulate and communicate concepts and opinions about art; (b) to know what is at present happening in the art community. Written reviews of contemporary art events, such as exhibitions in the city, and verbal participation during meeting sessions are essential components of the paper.

27.203 Design Methodology

The study of methods used in the collection and collation of information, the recognition, analysis and description of complex problems, and the generation and presentation of solutions.

*27.205 History of 19th Century Photography

*27.206 History of 20th Century Photography

*27.209 History of Photography in New Zealand

The aim of this paper is to encourage research, documentation and dialogue on aspects of the History of Photography in New Zealand. Working on individual and/or group projects, the emphasis will be on the study and documentation of available primary source material: photographs, albums and literature. Interviews with photographers and their contemporaries may also be undertaken.

27.210 Intermedia Theory

This paper will combine practical and technical lessons, relating to the use of audio visual equipment available at Elam, with seminars which aim to generate analysis through viewing and listening to time-based art works.

*27.211 Art Practice by Women

This is a programme of lectures, seminars, reviews, visits, a co-operative project, and creative book making in which the issues facing visual artists who are women, are encountered and discussed. The students gain a knowledge of the achievements of artists working in a wide range of media and in a variety of cultures.

†27.213 Introduction to Computer Graphics

A practical introduction to fundamental concepts, covering “painting”, “drawing”, scanning, three dimensional modelling, word processing and typographic applications.

27.215 Art and Society

A seminar programme which considers the creative, professional and social-economic dimensions of the visual arts. It also involves a workshop undertaking for candidates to explore or advance in some idiom distinct from their primary Studio methods. All candidates are expected to maintain seminar and workshop notations and collate information pertaining to topics considered.

27.216 Studio Practice for Sculptors

Paper 27.216 is a prerequisite for entry to Studio III Sculpture. Issues of theory affecting the practice of sculpture including: perception, critique, materials, health hazards and professional practice.

*27.233 History of Photography in New Zealand and USA

27.301 Professional Practice for Designers

Business methods and procedures commonly used by professional designers; topics may include:

(a) Preparation of a portfolio; (b) What to expect after graduation; (c) Correspondence; (d) Reports and report writing; (e) Fee structure; (f) Estimating fees, fee letters and contracts; (g) Business structure; (h) Setting up an office; (i) Running an office; (j) Budgeting (overheads, etc); (k) Securing work and clients; (l) Accountants and taxation; (m) Design and the Law; (n) Ethics; (o) Design organisations; (p) Special topics related to the individual student's requirements.

*27.302 History of Photography in New Zealand (Advanced)

The research, documentation and analysis of aspects of the history of photography in New Zealand. Working on individual and/or group projects, the emphasis will be on the study of primary source material: photographs, albums, literature. Interviews with photographers and their contemporaries may also be undertaken.

†27.313 Advanced Computer Graphics Applications

An examination of the computer as a visual medium / problem solving tool; involving an introduction to advanced two, three and four dimensional applications and enquiry in depth, centred on a specific visual discipline.

**Prerequisite:** 27.213.
DIPLOMA COURSE REGULATIONS

POSTGRADUATE DIPLOMA IN FINE ARTS PGDipFA

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their course of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations, a candidate for the Postgraduate Diploma in Fine Arts shall:
   (a) before his/her enrolment for this Diploma have been admitted or have qualified for admission to the Degree of Bachelor of Fine Arts, and have passed with a higher Grade than B in Studio IV in his/her Bachelor of Fine Arts course provided that in special circumstances where the Head of the Department recommends, the Senate may accept a B pass or less, or
   (b) have had not less than five years' experience and practice deemed relevant by the Senate.

2. No candidate may be awarded the Postgraduate Diploma in Fine Arts if he or she has previously been admitted to the Degree of Master of Fine Arts of this University.

3. A candidate for this Postgraduate Diploma shall follow a course of study of not less than one year's full time study or its equivalent part-time study, taking either of the Options prescribed under Regulation 4.

Course Content

4. The subjects of examination for the Diploma shall be:
   
   **Either**
   
   a) Studio 27.553 having a value of 4 papers
   or
   
   b) Studio 27.554 having a value of 2 papers and an extended essay, or special directed study, or research project, 27.555, having a value of 2 papers.

   A candidate shall carry out work satisfactory to the Dean of the School of Fine Arts within an individually planned programme approved by the Head of the Department including the presentation of an exhibition of his/her work and an adequate printed catalogue thereof not later than 1 November in the year in which the work is undertaken or such later date as may be approved by the Head of Department.

5. A candidate who has passed some or all of the requirements for the Postgraduate Diploma in Fine Arts but has not been awarded the Postgraduate Diploma may apply to the Senate to transfer to the Degree of Master of Fine Arts with appropriate credits.

6. These Regulations shall come into force on 1 January 1994.

DIPLOMA COURSE PRESCRIPTIONS

PGDipFA

27.553 and 27.554 Studio

The candidate's programme shall be a practical performance in some aspect of the fine arts. The proposed programme shall be submitted for approval to the Dean of the Faculty of Fine Arts by 31 March.

27.555 Extended Essay/Research Project

Documentation of the results of an original investigation by the candidate, or advanced study or research, related to the candidate's programme in Studio. The proposed topic shall be submitted to the Dean of the Faculty of Fine Arts by 31 March.
# Faculty of Law

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GENERAL INFORMATION

FACULTY OF LAW

The Faculty of Law offers degrees at the undergraduate and postgraduate levels. At the basic undergraduate level, the Law School aims to provide a sound academic exposure to the discipline of law, and to meet the requirements of the Council of Legal Education for Admission to the New Zealand Bar. The curriculum is also the most diverse in New Zealand, thus enabling students to substantially structure a degree to their own interests. Conjoint degree programmes can be pursued (BA/LLB, BA/LLB(Hons); BCom/LLB, BCom/LLB(Hons)). There is an Honours programme to enrich the undergraduate offerings. And, at the postgraduate level, the Law School offers Masters and Doctoral programmes, and a postgraduate diploma.

The Undergraduate Degrees

Through its undergraduate programme, the Faculty of Law is one of five law schools in New Zealand responsible for the basic legal education of legal practitioners. The prescriptions for the two undergraduate degrees - the LLB and LLB(Hons) - provide for all students to receive a thorough grounding in core legal subjects, in analytical reasoning and effective communication.

In the second and third years of the degrees a wide range of options is available. Students may choose from these options according to their interests and their likely career paths. The Faculty recognises that not all its students will practise law, but may take positions in commerce, industry, community-based groups and even politics. Within the range of optional courses there is scope for a law degree to be oriented accordingly.

Details of the Faculty’s selection quotas, criteria and procedures are contained within the Law School Prospectus, available on request from the Law Faculty Office.

DEGREE COURSE REGULATIONS

THE DEGREE OF BACHELOR OF LAWS LLB

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations, a candidate for the Degree of Bachelor of Laws shall be required to:
   (a) pursue a course of study for a period of not less than four years;
   (b) pass an Intermediate Examination and three Law Examinations;
   (c) carry out work and undergo experience in the detailed application of law and in relation to the provision of legal services, to the satisfaction of the Faculty of Law ("the Faculty").

Examinations

2. (1) Subject to regulation 5, no candidate shall enrol for the First Law Examination or any part of it without first passing the whole of the Intermediate Examination.
   (2) A candidate shall be required to pass the First, Second and Third Law Examinations successively in the order set out in Regulation 3, except that a candidate who has failed to pass any of those three Law Examinations as a whole may at the discretion of the Senate be credited with a subject or subjects of that Examination and permitted in a subsequent year to present the subject or subjects not so credited together with a subject or subjects of the next succeeding Law Examination, to the maximum permitted under Regulation 6.
   (3) A candidate who has failed one or two subjects of the Third Law Examination may be granted a conceded pass or passes or may be required by the Senate to pass in the following February a special examination in that subject or those subjects if the candidate may thereby complete the requirements for this Degree.

Subjects

3. The examinations and subjects for this Degree are:
   Intermediate Examination
   (1) 25.103 The Legal System; and
   (2) any six papers -
      (a) of which each is an arts paper, a commerce paper or a science paper; and
      (b) which are chosen from not more than three subjects, except that the six papers may be chosen from not more than -
         (i) four subjects in the case of a candidate who enrols in a subject offering at the appropriate level only one paper;
         (ii) five subjects in the case of a Law-Commerce candidate.
   
   For the purpose of the foregoing:
   "arts paper" means a paper accepted for the Degree of Bachelor of Arts;
   "commerce paper" means a paper accepted for the Degree of Bachelor of Commerce;
   "science paper" means a paper accepted for the Degree of Bachelor of Science and carrying (i) not fewer than 6 credits if the paper is at Stage I and (ii) not fewer than 4 credits if the paper is advanced (that is, at Stage II or Stage III);
   "Law-Commerce candidate" means a candidate admitted to a conjoint course of study under Reg 12 of the Regulations for the Degree of Bachelor of Commerce.

First Law Examination
25.101 Criminal Law
25.102 The Law of Torts

Second Law Examination
25.201 Land Law
25.202 Equity
25.203 The Law of Personal Property
25.105 The Law of Contract
25.106 Public Law
Together with selected subjects from:

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**Third Law Examination**

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6. (1) Except with the permission of the Senate -
(a) A candidate enrolled for the First Law Examination as a whole or the Second Law Examination as a whole may not take (i) any extra Law subject or Law subjects;
(ii) more than one non-Law subject;
(b) A candidate enrolled for the Third Law Examination as a whole may take either not more than one extra Law subject or not more than one non-Law subject.
(2) Except with the permission of the Senate -
(a) A candidate enrolled for any parts of the First and Second Law Examinations may not take more than seven subjects, including not more than five Law subjects;
(b) A candidate enrolled for any parts of the First, Second and Third Law Examinations, or of the First and Third Law Examinations, may not take more than seven subjects, including not more than five Law subjects; except that (within that maximum of seven subjects) he or she may take either one or two extra Law subjects if that would complete the course for this degree;
(c) A candidate who has passed the First Law Examination and is enrolled for any parts of the Second and Third Law Examinations may not take more than seven subjects, including not more than six Law subjects; except that (within that maximum of seven subjects) he or she may take one extra Law subject if that would complete the course for this degree.
(3) In this regulation – “Law subject” means a subject prescribed or permitted for the First, Second or Third Law Examination; “extra Law subject” means a subject beyond the requirements of a particular Law Examination or beyond the specified maximum number of subjects, as the case may be; “non-Law subject” means a subject prescribed or permitted for any course of study offered by the University of Auckland other than that for this degree; “subject” means a Law subject or a non-Law subject.
(4) This regulation shall apply to all students enrolled for this degree notwithstanding the provisions of Regulation 5(a) of the Enrolment and Course Regulations (General).

7. No candidate shall be admitted to this Degree unless the Registrar has received from the Dean a certificate that the candidate has complied with the requirements of Regulation 1 (c).

Note: Legal Practice: A candidate completing the Third Law Examination is required to enrol for 25.409 Legal Practice.
This requirement applies to any candidate who before 1 January 1994 had not passed any of 25.406, 25.407 and 25.408. A candidate who before 1 January 1994 had passed any of 25.406, 25.407 and 25.408 shall comply with the requirements set out in the 1995 Calendar at page 297 provided such requirements are satisfied before 1 January 1996.
Course Requirements
8. Every candidate shall be required:
(a) To undertake in both the candidate’s Second and Third Law Examinations a course of study comprising sufficient law subjects to amount to a full-time course of about 13 hours of instruction per week. The Faculty of Law shall from time to time determine the composition of a full-time course for these purposes.
(b) To undertake and satisfy in any subject such tutorial, practical, writing, attendance or test requirements as the Faculty determines from time to time. A candidate who fails to comply with these requirements may be barred from sitting the final examination.

Note: The Handbook of the Faculty of Law will state the prerequisites if any, and the weight of each subject within a full-time course of study and the writing and other requirements of the Faculty of Law.

Courses in Other Faculties
9. (1) In lieu of optional law subjects (totalling not more than one-fifth of the content of the Second and Third Law Examination combined) a candidate may take such papers at Stage II or above offered by other Faculties and related to the candidate’s Law studies as are approved by the Dean of the Faculty of Law. Before enrolling in the papers the candidate shall obtain the permission of the Head of the Department in which they are being taken and of the Dean of the Faculty of Law; but the Faculty of Law may in special cases apply this provision to a candidate who has previously taken papers in another Faculty which would have qualified under this Regulation if prior approval had been obtained.
(2) Any paper taken by a candidate under this Regulation may be credited only to this Degree.

Research Paper
10. (a) A candidate to whom this Regulation applies may, with the prior approval of the Dean, elect to submit a research paper in lieu of not more than one examination in any Third Law subject, if the teacher in that subject has certified that the research paper is related to it; but no person may so elect more than once.
(b) This Regulation applies (i) to any candidate for the Third Law Examination and (ii) to any candidate taking any Third Law subject or subjects for any Degree other than this or for any Diploma or for a Certificate or Certificates of Proficiency.
(c) In this Regulation “Third Law subject” and “Third Law subject or subjects” refer to any subject or subjects prescribed or available for the Third Law Examination.

BCom/LLB
11. (1) A candidate shall be credited with any subject named in the left hand column of the schedule to this paragraph of this Regulation if he or she has (i) passed for the Degree of Bachelor of Commerce the paper or papers named opposite that subject in the right hand column of the schedule, and (ii) otherwise completed the requirements for that Degree.

Schedule

<table>
<thead>
<tr>
<th>Company Law and Partnership 25.208</th>
<th>Company Law and Partnership 02.300</th>
</tr>
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<tbody>
<tr>
<td>Industrial Law 25.212</td>
<td>Industrial Law 02.302</td>
</tr>
<tr>
<td>Revenue Law 25.221 or Income Tax 25.221</td>
<td>Taxation and Estate Planning 02.301</td>
</tr>
</tbody>
</table>

(2) Credits under this Regulation shall be additional to any permitted to a candidate under the Enrolment and Course Regulations (General).

Commencement
12. (1) These Regulations shall apply to all students taking the Degree of Bachelor of Laws from 1 January, 1988.
(2) Subject to (3) and (4) hereof passes obtained by a candidate before 1 January, 1988 in any of the subjects prescribed in the 1987 Degree regulations shall be credited as passes in the corresponding subjects in the Regulations for this Degree.
(3) Passes obtained by a candidate before 1 January, 1988 in any of the subjects prescribed in the 1987 Degree Regulations for which there is no direct equivalent in the Regulations for this Degree, including the Introductory courses in Commercial Law, Family Law, and Company Law and Partnership, shall be credited as passes in optional subjects of the same weighting under the Regulations for this Degree.
(4) No candidate may credit passes in both an Introductory course in Commercial Law, Family Law or Company Law and the full course in the same subject under the Regulations for this Degree or in both a subject prescribed under the 1987 Regulations and a subject prescribed under the Regulations for this Degree if, in the opinion of the Dean, the subject matter of the former forms a substantial proportion of the subject matter of the latter.
(5) A candidate who before 1 January, 1988 passed Land Law but not before 1 January, 1989 Commercial Law or Introduction to Commercial Law shall be required to pass 25.204 Commercial Law under the Regulations for this Degree and a candidate who before 1 January, 1988 passed Commercial Law or Introduction to Commercial Law but not Land Law shall be required to pass 25.201 The Law of Property under the Regulations for this Degree.
(6) A candidate who before 1 January, 1992 passed 25.201 Law of Property shall be credited with passes in both 25.201 Land Law and 25.203 Law of Personal Property.
(7) A candidate who before 1 January, 1988 passed the Intermediate Examination and who has not passed Legal System, shall be required to pass 25.103 The Legal System as part of the First Law Examination in the Regulations for this Degree.
(9) A candidate who passed not fewer than two subjects in the First Law Examination before 1 January 1988 or who passed any one of 25.218 Legal History, 25.225 Law and Society, 25.226 Legal Theory, or 25.310 Comparative Law, before 1 January 1993, shall not be required to take 25.217 Jurisprudence as part of the Second Law or Third Law Examination.
(10) Regulation 11 of the Regulations for this Degree as published in the 1987 Calendar shall (notwithstanding that it has been revoked) apply to any candidate who, before 1 January, 1988, (i) passed Finance Law 02.201 or an ‘approved commerce paper’ within the meaning of paragraph (2) of that Regulation and (ii) otherwise complied with the requirements of that Regulation.
(11) For the purposes of this Regulation, a pass shall include a Conceded Pass or a pass in a February Special examination.
(12) A candidate who began his or her Law course before 1973 shall be entitled to the benefit of any transitional provisions then applicable.
(13) Where the course of any candidate is not specifically covered by the above provisions and in other cases where there is doubt concerning the course of any candidate such course shall be settled by the Dean.
THE DEGREE OF BACHELOR OF LAWS (HONOURS) LLB(Hons)

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their course of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Degree of Bachelor of Laws (Honours) shall be required to:
   (a) pursue a course of study for a period of not less than four years;
   (b) (i) pass an Intermediate Examination and three Law Examinations; and
   (ii) carry out work and undergo experience in the detailed application of law and in relation to the provision of legal services, to the satisfaction of the Faculty of Law ("the Faculty"); in all respects as prescribed in the Regulations for the Degree of Bachelor of Laws ("the LLB Degree"), excepting Regulation 10 (as to the substitution of a research paper in lieu of an examination in the Third Law Examination); and
   (c) present the additional work prescribed in Regulation 2; and
   (d) maintain a superior standard of work throughout the course, as prescribed in Regulation 6.

Additional Work
2. In addition to the foregoing requirements, every candidate shall during his or her course undertake the following work:
   (a) Two additional subjects from those listed in Regulation 3, carrying out to the satisfaction of the Faculty such written or other work as may be prescribed by the Dean in connection with those subjects.
   (b) The submission, not later than twelve months after completing the Third Law Examination, of a dissertation (25.604) embodying the results of research undertaken under the direct supervision of a University teacher in the Faculty. The Senate may in its discretion extend the time for the submission of the dissertation.

Note: An abstract is to be submitted with the dissertation. See Examination Regulation 16.

Subjects
3. The additional subjects provided for in Regulation 2 shall be:
   as prescribed by the Dean of the Faculty of Law
   *225.341 Admiralty Law
   *225.342 Air and Space Law
   *225.343 Aspects of Industrial Law
   *225.344 Business Regulation
   *225.345 Causes of Crime
   *225.346 Civil Rights
   *225.347 Commercial Letters of Credit
   *225.348 Consumer Law
   *225.349 Copyright and Patent Law
   *225.350 Corporation Finance
   *225.351 Economic Regulation
   *225.352 Environmental Law
   *225.353 Estate Planning
   *225.354 Insurance (other than Marine Insurance) Law
   *225.355 International Business and Finance, Law of
   *225.356 Law and Social Problems
   *225.357 Law of Banking
   *225.358 Law of Landlord and Tenant
   *225.359 Law Reform
   *225.360 Law Relating to Computers
   *225.361 Legal Accounting
   *225.362 Legal Aspects of Race Relations
   *225.363 Legal Education
   *225.364 Legal History
   *225.365 Legal problems of the European Common Market
   *225.366 Legal problems of the European Common Market
   *225.367 Maori Land Law
   *225.368 Marine Insurance Law
   *225.369 Medico-Legal Problems
   *225.370 Military Law
   *225.371 Penology
   *225.372 Problems in Choice of Law
   *225.373 Problems in Contract and Tort
   *225.374 Problems in Criminal Law
   *225.375 Problems in Equity
   *225.376 Problems in Legal Philosophy
   *225.377 Professional Responsibility
   *225.378 Registration of Title to Land
   *225.379 Remedies against the Government
   *225.380 Securities Law
   *225.381 Selected Topics in Comparative Law
   *225.382 Shipping Law
   *225.383 Social Control of Land
   *225.384 State and Local Taxation
   *225.385 The Law Relating to Damages
   *225.386 The Legal Process
   *225.387 Trial Practice
   *225.388 United Nations Law and Problems of World Order
   *225.389 Pacific Legal Studies
   *225.390 Women and the Law
   *225.391 Restitution
   25.604 Dissertation

Note: * Starred papers will not be taught during the current Calendar year
      ‡ Daggered papers will not be taught during the current Calendar year unless sufficient staff are available

Maximum Courses
4. Regulation 6 of the LLB Regulations (prescribing maximum courses) shall apply to a candidate's course for this Degree: but nothing in that Regulation shall apply to the additional work that a candidate is required to undertake for this Degree; except that, where a candidate proposes to enrol for both the additional Honours subjects required under Regulations 2 and 3 in the same year, one of those subjects shall count as an extra Law subject for the purpose of Regulation 6 of the LLB Regulations.

Research Paper
5. (a) A candidate to whom this Regulation applies may, with the prior approval of the Dean, elect to submit a research paper in lieu of not more than one examination in any Third Law or listed subject, if the teacher in that subject has certified that the research paper is related to it; but no person may so elect more than once.
   (b) This Regulation applies (i) to any candidate for the Third Law Examination and (ii) to any candidate taking any Third Law or listed subject or subjects for any Degree other than this or for any Diploma or for a Certificate or Certificates of Proficiency.
   (c) In this Regulation “Third Law or listed subject” and “Third Law or listed subjects” refer to any subject or subjects prescribed or available for the Third Law Examination or listed in Regulation 3.
Standards
6. This Degree shall be awarded to candidates who have fulfilled the requirements of these Regulations and whose work throughout the course has been in the opinion of the Faculty of a sufficiently high standard.

Transfer to LLB (Hons)
7. The Senate may, on written application by a candidate who has completed only the First Law Examination and, in special circumstances any other candidate, and without payment of a fee, permit the candidate to transfer to a course under these Regulations; for which the candidate may then be credited with the subjects already passed for the LLB.

Transfer to LLB
8. A candidate whose work does not in the opinion of the Faculty satisfy the standard prescribed in Regulation 6 or who at any stage elects to withdraw from this Degree, shall be entitled to have credited to the LLB Degree without payment of a fee those subjects (being subjects for the LLB Degree) in which the candidate has passed or been credited with a pass.

Commencement
9. These Regulations shall apply to all candidates taking the Degree of Bachelor of Laws (Honours) from January 1973, but any candidate who began his or her law course before that date or before 1967 shall be entitled to the credits prescribed in Regulation 12 of the Regulations for the Degree of Bachelor of Laws.

PROFESSIONAL LEGAL STUDIES COURSE
A candidate seeking admission as a barrister and solicitor of the High Court of New Zealand must satisfy the requirements of the Professional Examinations in Law Regulations 1987.
Details are available on request from the Director of the Institute of Professional Legal Studies or the Dean of the Faculty of Law.

THE DEGREE OF MASTER OF LAWS LLM
The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Degree of Master of Laws shall be enrolled for this Degree have been admitted or qualified for admission to the Degree of Bachelor of Laws and also:
   (i) have attained an average grade of B or higher in the candidate’s course of study for the Degree of Bachelor of Laws, or
   (ii) have otherwise shown to the satisfaction of the Faculty of Law capacity to undertake advanced study and research in the subjects proposed to be taken for this Degree.
2. No person shall be admitted to this Degree who has been admitted to the Degree of Master of Jurisprudence.
3. (1) Every candidate for this Degree shall:
   EITHER:
     (a) Pass the examination in six of the papers prescribed in Regulation 4 of these Regulations:
        (i) in not more than two successive years in the case of a full-time student, or
        (ii) in not more than three successive years in the case of a student who is not full-time.
   OR:
     (b) (i) pass the examination in three of the papers so prescribed in one year if the student is full-time and in not more than two successive years if the student is not full-time; and
        (ii) present a thesis (25.601) under the conditions prescribed in Regulation 5.
(2) For the purpose of this Regulation a candidate is not a full-time student if he or she:
   (a) is in employment (including self-employment) for more than 20 hours in each week of the academic year throughout the two years of the work for this Degree, and
   (b) furnishes such evidence, of being and of intending to continue so employed, as the Dean of the Faculty of Law (“the Dean”) may from time to time reasonably require.
4. The subjects of examination for the Degree are such of the following as are from time to time offered:
   *25.501, *25.502 Administrative Law
   *25.503, *25.504 Commercial Law
   *25.505, *25.506 Comparative Law
   *25.507, *25.508 Constitutional Law
   *25.509, *25.510 Conflict of Laws
   *25.511, *25.512 Creditors’ Remedies
   *25.513, *25.514 Criminal Law
   *25.515, *25.516 Criminology
   *25.517, *25.518 Environmental Law
   *25.519, *25.520 Equity
   *25.521, *25.522 Family Law
   *25.523, *25.524 Industrial Law
   *25.525, *25.526 International Law
   *25.527, *25.528 Jurisprudence
   *25.529, *25.530 Land Law
   *25.531, *25.532 Law and Society
   *25.533, *25.534 Law of Banking and Exchange Control
   *25.535, *25.536 Law of Bodies Corporate and Unincorporate
   *25.537, *25.538 Law of Contract
   *25.539, *25.540 Law of Evidence
   *25.541, *25.542 Law of Taxation and Estate Planning
   *25.543, *25.544 Law of Torts

   *25.545, *25.546 Law Reform
   *25.547, *25.548 Local Government Law
   *25.549, *25.550 Pacific Legal Studies
   *25.551, *25.552 Resource Management Law
   *25.553, *25.554 Restitution
   *25.555, *25.556 Sales and Sales Financing
   *25.557, *25.558 Shipping Law
   *25.559, *25.560 Transport Law
   *25.561, *25.562 Air and Space Law
   *25.563, *25.564 Special Topics prescribed by the Dean of Law
   *25.565, *25.566 Special Topics prescribed by the Dean of Law
   *25.567, *25.568 Civil Rights
   *25.569, *25.570 Special Topics prescribed by the Dean of Law
   *25.571, *25.572 Welfare Law
   *25.573, *25.574 Insurance Law
   *25.575, *25.576 New Zealand Legal History
   *25.577, *25.578 Special Topics prescribed by the Dean of Law
   *25.579, *25.580 Special Topics prescribed by the Dean of Law
   25.581, 25.582 Special Topics prescribed by the Dean of Law
   *25.583, *25.584 Partnership
   *25.585, *25.586 Maori Land Law
   *25.587, *25.588 International Trade
4. The subjects of examination for the Degree are such of the following as are from time to time offered:

2. No person shall be admitted to this Degree who has been admitted to the Degree of Master of Laws.

3. (a) Every candidate for this Degree shall either:

(i) pass the examinations in four papers in the subjects prescribed in Regulation 4 of these Regulations in one year if the student is full-time or in not more than two successive years if the student is not full-time, or

(ii) submit a thesis (25.611) under the conditions prescribed in Regulation 5.

(b) The choice of subjects to be taken by each candidate proceeding under Regulation 3 (a) (i)

(i) shall be subject to the approval of the Dean of the Faculty of Law ("the Dean"), and

(ii) shall not include any subject with which the candidate has been credited for the Degree of Master of Commerce.

4. The subjects of examination for the Degree are such of the following as are from time to time offered:

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
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<tbody>
<tr>
<td>*25.519, *25.520</td>
<td>Equity *25.563, *25.564</td>
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<td>*25.521, *25.522</td>
<td>Family Law *25.565, *25.566</td>
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<td>*25.525, *25.526</td>
<td>International Law *25.569, *25.570</td>
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<tr>
<td>25.533, *25.534</td>
<td>Law of Banking and Exchange Control 25.577, 25.578</td>
</tr>
<tr>
<td>*25.535, *25.536</td>
<td>Law of Bodies Corporate and Unincorporate 25.579, 25.580</td>
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</tbody>
</table>
### Faculty of Law

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>25.537, 25.538</td>
<td>Law of Contract</td>
</tr>
<tr>
<td>25.539, 25.540</td>
<td>Law of Evidence</td>
</tr>
<tr>
<td>25.541, 25.542</td>
<td>Law of Taxation and Estate Planning</td>
</tr>
<tr>
<td>25.543, 25.544</td>
<td>Law of Torts</td>
</tr>
<tr>
<td>25.581, 25.582</td>
<td>Special Topics prescribed by the Dean of Law</td>
</tr>
</tbody>
</table>

*Starred papers will not be taught during the current Calendar year unless sufficient staff are available.*

**One paper, offered in any Faculty at Stage III or Masters level, which in the opinion of the Dean of the Faculty of Law is relevant to and appropriate to be included in the candidate's course of study for this Degree.**

**Note:**
- Students proposing to enrol for a Master's Degree are expected to discuss their enrolment with the Dean not later than the December preceding their enrolment.

### THE DEGREE OF DOCTOR OF JURISPRUDENCE DJur

#### General Provisions
1. Other than in special circumstances, a candidate for the Degree of Doctor of Jurisprudence shall:
   (i) be a graduate of the University of Auckland, and
   (ii) hold an Honours or a Masters degree (or its equivalent) in Law.

2. No candidate shall be admitted to this Degree until at least five years after the award of an Honours or Masters degree, as the case may be. Where a person has been awarded more than one degree of the kind specified in 1(ii), the five year period shall run from the date of the last degree to have been awarded.

3. The Degree shall be awarded on the basis of published works in monographs or refereed journals of international standard which, in the opinion of the examiners, have made a substantial contribution to the discipline of law.

#### Application to be Examined
4. A candidate shall apply in writing to the Registrar to be examined and shall submit with the application the fee prescribed in the Fees Regulations and a Statutory Declaration which must:
   (i) clearly identify the published works submitted in support of the Degree;
   (ii) state the extent to which these published works are based on the candidate's own work and identify as clearly as possible any parts which are not so based;
   (iii) state what portion (if any) of the published work has been previously presented for a degree or diploma, and
   (iv) declare that the published work has not previously been accepted for the award of a degree or diploma in this or any other University and is not being concurrently submitted for a degree or diploma in any other University.

5. The candidate shall, at the time of applying to be examined, lodge with the Registrar three copies of the works submitted in support of the award of the Degree.

6. On receipt of the materials in Regulations 4 and 5 the application shall be referred to the Higher Degrees Committee of the Faculty of Law which shall submit to the Senate a preliminary report indicating whether, in the opinion of the Committee, the examination should proceed. If the Senate decides that the examination should not proceed the candidate shall be entitled to a refund of one half of the fees paid on the application to be examined.

#### Examination of Published Works
7. If the Senate decides that the examination should proceed, it shall appoint three examiners. One (who shall act as Convener of the examiners) shall be a member of the academic staff of the University of Auckland; one shall be resident outside New Zealand; and one shall normally be a member of a Faculty of Law at another University.

8. The duties of the examiners shall be:
   (i) to report independently on the quality of the published works and their value as a significant contribution to the discipline of law, and
   (ii) to recommend whether or not the Degree should be awarded.

9. The reports of the Examiners shall be placed before the Senate which shall determine whether or not the Degree should be awarded.

10. Where the Degree is not awarded, the Senate may nevertheless permit the candidate to be re-examined at a later date. This date shall be at least five years after the date on which the applicant lodged the application for the Degree with the Registrar.

11. These Regulations shall come into force on 1 January 1992.
DEGREE COURSE PRESCRIPTIONS

LLB AND LLB (Hons)

Law Intermediate Examination
25.103 The Legal System
An introduction to: theories of the nature, functions and origins of law and legal systems; the New Zealand legal system, including its sources of law, the nature of its courts and selected other legal institutions, and its operation in historical and contemporary New Zealand; Maori concepts of law and justice and their relationship to the New Zealand legal system; legal reasoning including both statutory interpretation and case-law reasoning.

First Law Examination
25.101 Criminal Law
The general principles of criminal liability. Selected indictable and summary offences chargeable under New Zealand Law. An introduction to the procedure upon indictment and to summary procedure (excluding the law of evidence).
25.104 The Law of Torts
General principles of civil liability. The law as to the various kinds of tort. The law relating to compensation for personal injury by accident in New Zealand.
25.105 The Law of Contract
The general principles of the law relating to agreements. Selected topics in the law of contract. An introduction to the law of agency.
25.106 Public Law
The principles and workings of the constitution, the institutions of government, the exercise of public power and relations between the citizens and the state. Controls on the exercise of public power, including an introduction to judicial review.

Second Law Examination
25.204 Commercial Law
An introduction to the law relating to the sale of goods, hire purchase, personal property, secured transactions, credit contracts, consumer protection and negotiable instruments.
25.205 Administrative Law
The general principles of administrative law. Subordinate legislation. Discretionary powers of Ministers, officials and local bodies. Administrative tribunals and their functions. Controls over the exercise of legislative, judicial and other powers.
25.207 Advanced Criminal Law
Selected advanced problems in criminal law and criminal procedure.
25.208 Company Law and Partnership
An introduction to the principles of company law and the law of partnership. Rights and liabilities of those who form, operate and deal with companies, and partnerships.
25.209 Intellectual Property
Studies in the content and impact of copyright, patents, trademarks and unfair competition in New Zealand and elsewhere.
25.210 Criminology
An introduction to the theory of criminology. Selected studies in crime and its causes, law enforcement, the administration of criminal justice, and the nature and purpose of the penal system.
25.211 Family Law
The law relating to cohabitation and marriage. The establishment of parenthood and the legal incidents of the relationship between parent and child. Adoption.
25.212 Industrial Law
Selected studies in the relationship of employer and employee; the rights, responsibilities and organisation of trade unions; the determination of industrial disputes relating to wages, conditions and rights; and the legality of industrial action.

*25.213 International Institutions
The principles of international law as they relate to the structure and functioning of international institutions. The role of international institutions in the settlement of international disputes, particularly the role of the International Court of Justice. Selected projects relating to specific international institutions.
25.214 International Law
An introduction to the law of nations. Selected topics in the adjudication and settlement of international disputes, the law of war, peace and neutrality, and the law of international institutions.
25.217 Jurisprudence
An introduction to the major schools of jurisprudence, the major contemporary disputes in jurisprudence and the major perspectives on law current in contemporary thought.
25.218 Legal History
An introduction to the history of present-day legal rules and institutions. Selected topics in English and New Zealand legal history.

*25.220 Local Government Law
An introduction to the law governing the structure, powers and territorial definition of local government units. Selected studies in legal problems of local government and its relationship with central government.
25.221 Income Tax
The principles of the law relating to income tax.
25.222 Roman Law
Outline of Roman private law according to Justinian and Gaius. Sources and historical development of Roman Law. The law of actions; the law of property; obligations; family and succession. (Translation of substantial portions of the Latin text shall not be required.)
25.223 Women and the Law
A study of the law as it defines women’s role in society with particular emphasis on the use of the law to eliminate discrimination.
25.224 Pacific Legal Studies
Selected aspects of customary, private, public and international law of Pacific States and territories with particular regard to Fiji, Western Samoa, the Cook Islands, Niue, Tokelau Islands, New Zealand and Papua New Guinea.
25.228 Competition Law
A study of the principles of competition law.

*25.229 Advanced Contract
Advanced studies in the law of contract.
*25.230 Advanced Tort
Advanced studies in the law of tort.
*25.231 Problems in Civil Obligations
Actions which may be brought in either contract or tort. Civil rights and obligations having features similar to those of contract or tort, other than those associated with the law of restitution.

*25.232 Legislation
The making and application of primary and subordinate legislation; legislative drafting and statutory interpretation. Selected topics from the history, evaluation, codification and judicial review of legislation.
*25.233 Succession and Matrimonial Property
An introduction to the laws of wills and succession, testamentary promises and the administration of estates. Matrimonial and family property.

*25.234 Welfare Law
A study of the law relating to income maintenance, physical and mental handicap, housing and homelessness, access to legal and related services.
25.236 Rights and Freedoms
25.237 Law and Information Technology
25.238 Immigration and Refugee Law
Consideration of the basic features of the Immigration Act 1987; an introduction to the law of refugee status and the merging
jurisprudence if the NZ Refugee Status Appeal Authority.

25.239 Matrimonial Property
Consideration of matrimonial property regimes, including division of property; effectiveness of methods of division; the role of the Family Court; contracting out of the regime; court orders; adversarial systems.

25.240 Medical Law
25.247 Special Topic
Special topic approved by the Dean of the Faculty of Law.

25.248 Contemporary Treaty Issues
25.249 Insurance Law
The principles of the law relating to insurance.

25.250 Special Topic
Special topic approved by the Dean of the Faculty of Law.

25.251 Special Topic
Special topic approved by the Dean of the Faculty of Law.

25.252 Special Topic
Special topic approved by the Dean of the Faculty of Law.

*25.253 Special Topic
Special topic approved by the Dean of the Faculty of Law.

Note: Some of these courses will be taught for the full year and others will not. Students should refer to the current Law School Handbook.

Third Law Examination

*25.300 EC Law
*25.301 Advanced Administrative Law
Advanced problems in selected areas of Administrative Law.

*25.302 Advanced Commercial Law
Advanced studies in selected areas of Commercial Law.

*25.303 Advanced Constitutional Law
Advanced problems in selected areas of Constitutional Law.

25.305 Advanced Family Law
Advanced problems in selected areas of Family Law.

*25.307 Advanced International Law
Advanced studies in selected areas of the law of nations.

25.308 Civil Procedure
Advanced studies in procedure in civil actions and other proceedings, with reference to the evolution of the present form of civil action, pleadings, discovery and other pre-trial devices; joinder of parties; jurisdiction (including equitable jurisdiction), appellate procedure.

25.309 Company Finance
Problems in company finance law, including the raising of share and debt capital by companies.

25.310 Comparative Law
A study of selected systems of law with particular reference to the development of civil law on the Continent of Europe.

25.311 Conflict of Laws
Selected studies in the law governing transactions with elements outside New Zealand Courts, fundamental concepts of conflict of laws, and the validity and enforcement of foreign judgements.

25.312 Creditors’ Remedies
Legal problems arising where a debtor is in financial difficulties. Selected studies in the rights of unsecured creditors in bankruptcy and company liquidation; other methods of enforcing judgements.

25.313 International Environmental Law
International aspects of environmental problems.

25.314 Evidence
The general principles of the law of evidence in civil and criminal cases. A critical evaluation of forensic law in New Zealand, including a comparison with systems of trial in other countries.

25.315 International Trade
The law relating to international business transactions.

*25.316 Law Reform
A study of the institutions responsible for law reform and the methods by which reform is achieved. A selection of legal rules and institutions which have been, or may be, the subject of reform.

25.318 Psychiatry and the Law
A general introduction to the formal relationship between psychiatry and law with a particular emphasis on the law as it relates to special patients.

25.319 Resource Management Law
An introduction to the law relating to town and country planning. Selected studies in urban and rural planning problems, and processes and decisions of planning authorities, and the function of courts in planning matters.

25.320 Restitution
A study of the concept of unjust enrichment and its diverse practical applications.

25.321 Supervised Research
25.322 Vendor and Purchaser
Advanced problems in the sale of land. Selected case studies examining the legal and taxation consequences of the agreement for sale and purchase and the conveyance of land, and the function and responsibility of the lawyer acting in such transactions.

*25.324 Air and Space Law
The principles of international and municipal law regulating airspace and outer space, aircraft, spacecraft, persons on board such craft and the rights and obligations of operators and users of aircraft and spacecraft, taking into consideration the economic and technical problems involved and aspects of national and international policies.

25.325 Maori Land Law
Legal problems of Maori land holding. Occupation and use.

*25.328 Advocacy
The preparation and presentation of cases; the theory and practice of advocacy.

25.330 Legal Ethics
An examination of the ethical duties of legal practitioners towards their clients, the Courts and other tribunals, other practitioners, and members of the public.

*25.331 Remedies
Advanced study of civil remedies; and their historical and philosophical backgrounds. Discretionary relief in Equity and under statutes.

25.333 Negotiation, Mediation and Dispute Resolution
Studies in the theory and practice of negotiation, mediation and dispute resolution.

25.337 Commercial Arbitration & Dispute Resolution
*25.338 Advanced Company Law
Advanced studies in selected areas of Company Law.

25.339 Advanced Studies in Taxation
25.340 Mining and Natural Resources Law

Note: Some of these courses will be taught for the full year and others will not. Some have prerequisites. Students should refer to the current Law School Handbook.

215.300 Law of Banking

*215.301 Community Law Project
*215.302 Special Topic
Special topic approved by the Dean of the Faculty of Law.

*215.303 Special Topic
Special topic approved by the Dean of the Faculty of Law.

*215.304 Special Topic
Special topic approved by the Dean of the Faculty of Law.

*215.305 Special Topic
Special topic approved by the Dean of the Faculty of Law.

*215.306 Special Topic
Special topic approved by the Dean of the Faculty of Law.

*215.307 Special Topic
Special topic approved by the Dean of the Faculty of Law.

LAW AND PRACTICE IN NEW ZEALAND
The prescriptions for the Examination in the law and practice in New Zealand may be obtained from the Dean of the Faculty. Written notice of a candidate’s wish to take the Examination should be given to the Registrar with payment of the prescribed fee.

LLB (Hons)
For the Subjects Listed in Regulation 3
As prescribed by the Dean of the Faculty of Law
*225.341 Admiralty Law
Admiralty jurisdiction, extent of territorial waters, sources of maritime law, nature of maritime liens, bills of lading and charter parties, aspects of conflicts of laws in admiralty, rules established by international law in admiralty cases.

*225.342 Air and Space Law
Same prescription as for 25.324 (L.L.B.).

*225.343 Aspects of Industrial Law
Analysis of selected problems in industrial law and industrial relations.

*225.344 Business Regulation
Government regulation of business, analysis of scope of control, its purposes and dangers, the common law and statutory regulations of trade and industry, restraint of trade and monopoly, restrictive trade practices.

*225.345 Causes of Crime
The significance of primary and secondary criminogenic factors.

225.346 Civil Rights
A comparative study of recognised human rights and existing legal safeguards. Aspects include protection of minority rights, speech and assembly, police practices, race relations.

*225.347 Commercial Letters of Credit
The law and practice relating to commercial letters of credit.

*225.348 Consumer Law
A study of legislative and judicial attempts to protect the consumer.

*225.349 Copyright and Patent Law
Common law, statutory and international rules governing copyright and patents.

*225.350 Corporation Finance
Problems of corporate finance, including the rules governing raising capital and loans, rights to dividend and distribution of assets, amendment of corporate instruments, re-organisation, holding and subsidiary companies.

*225.351 Economic Regulation
Legal problems encountered in regulating economic behaviour and alternative techniques for resolving them; anti-trust and labour problems.

225.352 Environmental Law
An analysis and criticism of the existing legal framework relating to the use and protection of the physical environment. Courts, agencies and Parliament as institutions for dealing with environmental problems. A study of specific environmental problems such as air and water pollution, chemicals, marine pollution. International aspects of environmental problems.

*225.353 Estate Planning
An analysis of the factors which deserve consideration in planning for the future management and disposition of income and capital.

*225.354 Insurance (other than Marine Insurance) Law
The law governing insurance other than marine insurance.

*225.355 Law of International Business and Finance
A study of problems of commercial law, administrative law and international law arising from international trade, business and finance, including New Zealand’s relationship with the European Community.

*225.356 Law and Social Problems
Selected aspects of the interrelation between legal evolution and social change, interaction of legislation and social change, the role of law in the modern state.

*225.357 Law of Banking
The law relating to banking, with particular reference to the relationship of banker and customer and the banker’s duty to third parties.

*225.358 Law of Landlord and Tenant
The law of landlord and tenant, including statutory tenancies and fair rents legislation.

*225.359 Law Reform
Methods of law reform with particular reference to New Zealand.

Note: Students may be required to prepare research papers for Law Reform Committees.

*225.360 Law Relating to Computers
An introduction to selected topics related to computers, including a brief introduction to elementary programme preparation, computerisation of statute and case law, protection of software, labour relations affected by computers and databank privacy.

*225.361 Legal Accounting
A critical examination of generally accepted accounting principles, an introduction to corporate financial problems, accounting problems of a law office.

*225.362 Legal Aspects of Race Relations
Investigation of legal efforts to combat discrimination, and an inquiry into the validity of law in this field.

*225.363 Legal Education
The objectives, methods and development of legal education and the functions and obligations of the law teacher.

*225.364 Legal History
The effect on law of social, economic and constitutional change, with particular reference to England and New Zealand.

*225.365 Legal Problems of the European Common Market
The objectives, structures and functions and relationships of the European Community and other European regional arrangements.

*225.366 Local Government Law
The law developed and applied in local government, construction and operation of statutory powers of local and public authorities, by-laws, financing, contractual and tortious liability.

*225.367 Maori Land Law
Legal problems of Maori land holding. Occupation and use.

*225.368 Marine Insurance Law
The law governing marine insurance.

*225.369 Medico-Legal Problems
A study of the relationship between law and medicine, preparation and presentation of medical proof in litigation, expert medical testimony.

*225.370 Military Law
Aspects of military law, the relation of civil to military jurisdiction, court martial procedure.

*225.371 Penology
An analysis of theory and practice in regard to the punishment and treatment of the offender.

*225.372 Problems in Choice of Law
The application of choice of law methods to specific situations, the feasibility of developing choice of law rules and principles consistent with predictability and uniformity.

*225.373 Problems in Contract and Tort
Analysis of selected problems arising in the law of contract and the law of tort.

225.374 Problems in Criminal Law
Analysis of selected problems in criminal law.

*225.375 Problems in Equity
Problems relating to the equitable jurisdiction of the courts, with particular reference to the law of trusts.

*225.376 Problems in Legal Philosophy
Selected jurisprudential problems of definition of law; the concept of justice, relation of law and morality, the function of legal analysis.

*225.377 Professional Responsibility
The role of the legal profession in modern society, the obligations of a barrister and solicitor, conflict of interest, defending the unpopular client or cause.

*225.378 Registration of Title to Land
Legal problems of the Torrens system of title registration.

*225.379 Remedies Against the Government
Liability of the Crown in tort and contract, procedure for enforcing rights against the Crown.

*225.380 Securities Law
The law governing securities over personal and industrial property.

*225.381 Selected Topics in Comparative Law
Analysis of selected topics from foreign law systems, including civil and Soviet law.

*225.382 Shipping Law
Legal principles governing ownership of ships, limitation of liability of shippers, charter-parties and affreightment, collision, salvage, towage, carriage of goods by sea.
The purposes and effect of legislation controlling the use of land,
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The function of the courts, counsel, legislature, administrative
agencies and officials in decision-making.
*225.383 Social Control of Land
The purposes and effect of legislation controlling the use of land,
housing improvement schemes, town and country planning,
government and local body powers.
*225.384 State and Local Taxation
Analysis of property, sales, personal and corporate income taxes,
tax policy and administration, local body taxation.
*225.385 The Law Relating to Damages
The principles governing damages in contract and in tort.
*225.386 The Legal Process
The function of the courts, counsel, legislature, administrative
agencies and officials in decision-making.
*225.387 Trial Practice
Advocacy, procedural and substantive law in trial proceedings,
pre-trial preparation, proof.
*225.388 United Nations Law and Problems of World Order
The basic constitutional problems of the United Nations,
regulation of the use of force, definition of aggression, punishment
of crimes against the peace, disarmament, control of atomic
energy, regulation of the use of outer space, an international police
force.
*225.389 Pacific Legal Studies
Selected aspects of customary, private, public and international
law of Pacific states and territories with particular regard to Fiji,
Western Samoa, the Cook Islands, Niue, Tokelau Islands, New
Zealand and Papua New Guinea.
*225.390 Women and the Law
A study of the law as it defines women's role in society with
particular emphasis on the use of the law to eliminate
discrimination.
*225.391 Restitution
Same prescription as for 25.320 (LLB).
25.604 Dissertation

ADDITIONAL SUBJECTS FOR CANDIDATES SEEKING ADMISSION AS BARRISTERS AND SOLICITORS OF THE HIGH COURT OF NEW ZEALAND
A candidate for admission as a barrister and solicitor of the High
Court of New Zealand must have completed the requirements of
the LLB or LLB (Hons) Degree, achieved passes in certain
compulsory degree subjects, and successfully undertaken the
Professional Legal Studies Course. Details of the content of the
Professional course are available on request from the Director of
the Institute of Professional Legal Studies or the Dean of the
Faculty of Law.

LLM AND MJur
*25.501, *25.502 Administrative Law
The general principles of administrative law with special
reference to New Zealand.
*25.503, 25.504 Commercial Law
Advanced studies in the law relating to the distribution and
financing of goods and services, including security devices and the
rights of creditors and third persons.
*25.505, *25.506 Comparative Law
Advanced studies in selected systems of law.
*25.507, *25.508 Constitutional Law
Advanced studies in constitutional and local body law.
*25.509, *25.510 Conflict of Laws
The nature of private international law. Fundamental conceptions;
classification; renvoi; domicile; public policy. The principles of
private international law relating to: (a) persons; (b) contracts; (c)
torts; (d) property; (e) procedure and evidence.
*25.511, *25.512 Creditors' Remedies
Legal problems arising where a debtor is in financial difficulties.
Advanced studies in the rights of unsecured creditors in
bankruptcy and company liquidation; other methods of enforcing
judgments.
25.513, 25.514 Criminal Law
The history and principles of criminal law, comprising selected
topics on substantive and adjective criminal law, evidence in
criminal cases, the aetiology of crime and the purposes and
methods of punishment.
*25.515, *25.516 Criminology
The nature and extent of crime in our society. Selected studies of
the causes of crime: results, underlying assumptions and
limitations. Political aspects of the criminal law. The interactionist
approach. Selected criminological problems.
The criminal justice system. Objectives of the system. The role of
Evaluating the effectiveness of penal sanctions. Selected phe-
ological problems.
25.517, 25.518 Environmental Law
An examination of the law relating to pollution and other
environmental problems with an emphasis on comparative
studies. An exploration of various institutional arrangements for
managing the environment. The concept of environmental impact
reporting.
*25.519, *25.520 Equity
The history and principles of equity.
*25.521, *25.522 Family Law
Advanced studies in the law relating to husband and wife, parent
and child and family relationships generally.
*25.523, *25.524 Industrial Law
Selected and comparative studies in Industrial Law.
*25.525, *25.526 International Law
The principles of the law of nations in peace and war including the
status and relations inter se of the members of the Commonwealth
of Nations and the Republic of Ireland and questions of
nationality.
25.527, 25.528 Jurisprudence
Theories concerning the origin and development of law. The
history of legal theory. Modern schools of thought concerning the
nature and purpose of law. Sources of legal conceptions.
*25.529, *25.530 Land Law
The history and principles of land law.
*25.531, *25.532 Law and Society
Advanced studies in the interrelation between legal evolution and
social change, interaction of legislation and social change, and the
role of law in the modern state.
*25.533, *25.534 Law of Banking and Exchange Control
The law and practice relating to banking and exchange control
regulations, with special reference to New Zealand.
*25.535, *25.536 The Law of Bodies Corporate and
Unincorporate
The principles of the law as to corporations and unincorporated
bodies with special reference to registered companies.
The history and principles of the law of contract, including the law
as to the sale of goods, negotiable instruments, and all other special
classes of contracts.
*25.539, *25.540 The Law of Evidence
The principles of the law of evidence in civil and criminal cases.
*25.541, *25.542 Law of Taxation and Estate Planning
Advanced studies in the law relating to taxation and gift, death and
covenant duties.
Advanced studies in the principles and practice of estate planning.
The history and principles of civil liability with special reference
to the law of torts.
*25.545, *25.546 Law Reform
A study of the institutions responsible for law reform and the
methods by which reform is achieved. A selection of legal rules
and institutions which have been, or may be, the subject of reform.
*25.547, *25.548 Local Government Law
Selected studies of the history, structure, powers and practice of
local government units and related aspects.
*25.549, *25.550 Pacific Legal Studies
Selected aspects of customary, private, public and international
law of Pacific states and territories with particular regard to Fiji,
Western Samoa, the Cook Islands, Niue, Tokelau Islands, New Zealand and Papua New Guinea.

*25.551, *25.552 Resource Management Law
Selected studies of land use regulation law, planning structure, practice and theory.

*25.553, *25.554 Restitution
Advanced problems focusing on situations and available remedies where benefits have been wrongfully or unfairly acquired.

25.555, *25.556 Sales and Sales Financing
Advanced studies in the law of sales and the financing of domestic sales in New Zealand.

*25.557, *25.558 Shipping Law
Advanced studies in the principles of carriage of goods by sea, including containerisation.

*25.559, *25.560 Transport Law
Advanced studies in the history, exposition and comparison of selected topics of the law of transport, including land, sea and air transport, including rules of international law and of municipal law.

*25.561, *25.562 Air and Space Law
Advanced studies in the principles of international and municipal law regulating airspace and outer space, aircraft, spacecraft, persons on board such craft and the rights and obligations of operators and users of aircraft and spacecraft, taking into consideration the economic and technical problems involved and aspects of national and international policies.

25.563, 25.564 Special Topics
To be prescribed by the Dean of the Faculty of Law.

25.565, 25.566 Special Topics
To be prescribed by the Dean of the Faculty of Law.

*25.567, *25.568 Civil Rights

*25.569, 25.570 Special Topics
To be prescribed by the Dean of the Faculty of Law.

*25.571, *25.572 Welfare Law

*25.573, *25.574 Insurance Law

*25.575, *25.576 New Zealand Legal History

25.577, 25.578 Special Topics
To be prescribed by the Dean of the Faculty of Law.

25.579, 25.580 Special Topics
To be prescribed by the Dean of the Faculty of Law.

25.581, 25.582 Special Topics
To be prescribed by the Dean of the Faculty of Law.

*25.583, *25.584 Partnership

*25.585, *25.586 Maori Land Law

*25.587, *25.588 International Trade

Note: * Starred papers will not be taught during the current Calendar year.
  † Daggered papers will not be taught during the current Calendar year unless sufficient staff are available.

DIPLOMA COURSE REGULATIONS

DIPLOMA IN CRIMINOLOGY DipCrim

The Diploma in Criminology has been discontinued. In special circumstances arrangements will be made by the Department of Law to enable students already enrolled for the Diploma to complete it under the Regulations published in the 1987 Calendar at pp 291-292.

DIPLOMA IN ENVIRONMENTAL MANAGEMENT DipEnvirMgmt

The Diploma in Environmental Management is an Inter-faculty offering. For detailed Regulations refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

POSTGRADUATE DIPLOMA IN LEGAL STUDIES PGDipLS

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations, a candidate for the Postgraduate Diploma in Legal Studies shall, before enrolment, have been admitted to or be qualified for admission to the Degree of Bachelor of Laws or the Degree of Bachelor of Laws (Honours).

2. A candidate for the Diploma shall follow a course of instruction of not less than one year.

3. (1) Every candidate for the Diploma, either within one year in the case of a full-time student, or within not more than three successive years in the case of a student who is not full-time, shall:
   (a) Fulfil the requirements of the project referred to in Regulation 4.
   (b) Pass the examination in and fulfil any other requirements of each of four or more papers:
      (i) which, if taken concurrently, would involve an aggregate of ten hours of instruction per week; and
      (ii) which include papers listed in Regulation 5 in weighting sufficient when added to the project referred to in Regulation 4 to constitute at least one third of the candidate’s course for this Diploma; and
      (iii) of which the remaining papers are papers offered for the Second or Third Law Examination of the Degree of Bachelor of Laws except that one may be a paper, offered in any Faculty, which in the opinion of the Dean of the Faculty of Law is relevant to and appropriate to be included in the candidate’s course of study for this Diploma.
   (iv) of which the remainder are made up of papers offered from time to time for the Second or Third Law Examination of the Degree of Bachelor of Laws; and
   (v) of which none are, or are substantially similar to, papers already credited to the candidate’s Bachelor’s Degree.

(2) For the purposes of this Regulation a candidate is not a full-time student if he or she:
   (a) is in employment (including self-employment) for more than 20 hours in each week of the academic year throughout the three years of the work for this Postgraduate Diploma, and
   (b) furnishes such evidence of being and intending to continue so employed, as the Dean of the Faculty of Law (hereinafter referred to as “the Dean”) may from time to time reasonably require.

4. Every candidate shall, during his or her course, complete to the satisfaction of the Faculty of Law (hereinafter referred to as “the Faculty”) a substantial exercise (carrying a weighting of three hours of instruction per week) in the detailed application of law upon the terms as to content, supervision and reporting prescribed therefore by the Dean.

Note: A candidate wishing to comply with this requirement should enrol for 25.451 Legal Project.
5. The papers for which provision is made in Regulation 3 shall be:

- 25.452 Advanced Studies in Criminal Law
- 25.453 Studies in Resource Management Law
- 25.454 Advanced Studies in Administrative Law
- 25.455 Advanced Studies in Family Law
- 25.456 Advanced Studies in International Law
- 25.457 Studies in Company Finance
- 25.458 Studies in Comparative Law
- 25.459 Studies in the Conflict of Laws
- 25.460 Studies in Creditors' Remedies
- 25.461 Studies in Restitution
- 25.462 Studies in the Law of Vendor and Purchaser
- 25.463 Studies in Estate and Tax Planning
- 25.464 Studies in Air and Space Law

Note: * Starred papers will not be taught during the current Calendar year.
† Daggered papers will not be taught during the current Calendar year unless sufficient staff are available.

6. A candidate who, being a full-time student, has failed within one year or, being a part-time student, has failed within three successive years, to complete the requirements of the Postgraduate Diploma may in exceptional circumstances be permitted by the Faculty to complete those requirements in a subsequent year.

7. A candidate for this Postgraduate Diploma may, with the prior approval of the Dean, elect to submit a Research Paper in lieu of examination in any one of the papers chosen for the Postgraduate Diploma if the teacher in the subject has certified that the Research Paper is related to that subject.

8. A candidate who has passed papers for a Certificate of Proficiency which meet the requirements of Regulation 3 may, subject to the approval of the Dean, credit those papers to the Postgraduate Diploma.

Note: Refer Enrolment and Course Regulations (General), Regulation 18.

9. The Senate, upon recommendation of the Dean of Law, may, in such exceptional circumstances as it sees fit, approve a personal course of study which does not conform to these Regulations.

10. These Regulations shall come into force on 1 January, 1988.

**DIPLOMA COURSE PRESCRIPTIONS**

**PGDipLS**

- 25.452 Advanced Studies in Criminal Law
  Selected advanced problems in criminal law and criminal procedure.

- 25.453 Studies in Resource Management Law
  An introduction to the law relating to town and country planning. Selected studies in urban and rural planning problems, and processes and decisions of planning authorities, and the function of courts in planning matters.

- 25.454 Advanced Studies in Administrative Law
  Advanced problems in selected areas of Administrative Law.

- 25.455 Advanced Studies in Family Law
  Advanced problems in selected areas of Family Law.

- 25.456 Advanced Studies in International Law
  Advanced studies in selected areas of the law of nations.

- 25.457 Studies in Company Finance
  Problems in company finance law, including the raising of share and debt capital by companies.

- 25.458 Studies in Comparative Law
  A study of selected systems of law with particular reference to the development of civil law on the Continent of Europe.

- 25.459 Studies in the Conflict of Laws
  Selected studies in the law governing transactions with elements outside New Zealand Courts, fundamental concepts of conflict of laws, and the validity and enforcement of foreign judgments.

- 25.460 Studies in Creditors' Remedies
  Legal problems arising where a debtor is in financial difficulties. Selected studies in the rights of unsecured creditors in bankruptcy and company liquidation; other methods of enforcing judgments.

- 25.461 Studies in Restitution
  A study in the concept of unjust enrichment and its diverse practical applications.

- 25.462 Studies in the Law of Vendor and Purchaser
  Advanced problems in the sale of land. Selected case studies examining the legal and taxation consequences of the agreement for sale and purchase and the conveyance of land, and the function and responsibility of the lawyer acting in such transactions.

- 25.463 Studies in Estate and Tax Planning
  The principles of the law relating to estate and gift duties, estate planning and tax planning.

- 25.464 Studies in Air and Space Law
  The principles of international and municipal law regulating air space and outer space, aircraft, spacecraft, persons on board such craft and the rights and obligations of operators and users of aircraft and spacecraft, taking into consideration the economic and technical problems involved and aspects of national and international policies.

- 25.465 Studies in Maori Land Law
  Legal problems of Maori land holding. Occupation and use.

- 25.466 Studies in Intellectual Property
  Studies in the content and impact of copyright, patents, trademarks, and unfair competition in New Zealand and elsewhere.

- 25.467 Advanced Studies in Legal Philosophy
  Advanced studies in the philosophy of law.

- 25.468 Advanced Studies in Law and Society
  Advanced studies in the relationship between selected legal theories and social conditions.

- 25.469 Advanced Studies in Constitutional Law
  Advanced studies in selected areas of Constitutional Law.

- 25.470 Advanced Studies in Criminology
  Advanced problems in the causes of crime, the administration of criminal justice, and the punishment and treatment of the offender. Selected studies in criminological methods and research.

- 25.471 Advanced Studies in Industrial Law
  Advanced studies in selected areas of Industrial Law.

- 25.472 Advanced Studies in Contract
  Advanced studies in the law of contract.

- 25.473 Advanced Studies in Tort
  Advanced studies in the law of tort.

- 25.474 Studies in Civil Obligations
  Actions which may be brought in either contract or tort. Civil rights and obligations having features similar to those of contract or tort, other than those associated with the law of restitution.

- 25.475-480 Special Topics
  To be prescribed by the Dean of the Faculty of Law.

Note: * Starred papers will not be taught during the current Calendar year.
† Daggered papers will not be taught during the current Calendar year unless sufficient staff are available.
## Faculty of Medicine and Human Biology

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GENERAL INFORMATION

SCHOOL OF MEDICINE

The medical course in the University of Auckland is of six years' duration. The Degree of Bachelor of Human Biology (BHB) is awarded upon completion of the first three years, and the Degree of Bachelor of Medicine and Bachelor of Surgery (MBChB), upon completion of the full course.

Bachelor of Human Biology

The curriculum in Human Biology covers a spectrum of studies from molecular biology to social psychology and the processes of disease. Introductory studies of chemistry, physics and biology lead to specialised studies of the human body and the integration of its responses. During the first year, courses in biology, chemistry and physics provide the language and concepts needed for the understanding of the applications of these sciences in medical biology. Biochemistry, immunobiology and selected aspects of anatomy and physiology are introduced. Opportunities are provided for hospital visits where lectures and case presentations relate the basic and clinical sciences.

The first year course in Community Health will focus on the distribution and determinants of disease in human populations and the strategies available for the prevention of disease and the promotion of health. Particular attention will be given to the influence of cultural and environmental factors on health.

The course in Behavioural Science extends over three years, the first focused on general principles, the second on issues of medical risk and the third on medical treatment. Topics include communication, decision-making, culture, behaviour and health, individual psychology and development, and brain-behaviour relationships.

During the second and third years, the course presents a detailed analysis of human structure and function, of the ways in which body mechanisms are disturbed, and of the ways in which disturbances are corrected. Fundamental biochemical and physiological mechanisms - largely expressed at cellular levels - and their structural bases are considered first, then the principal organ systems. The study of the locomotor and nervous systems, of the complex control of body activity, metabolism and nutrition, of reproduction and growth, and of fundamental aspects of pathology, immunobiology and pharmacology form further major units of the course. Over this period students maintain a compulsary continuing study of growth and progress of a normal child.

Admission to the first year of the course is restricted to those students who intend to complete the six year course for entry into the medical profession.

Bachelor of Medicine and Bachelor of Surgery

The clinical triennium follows qualification for the award of the Degree of Bachelor of Human Biology. The Auckland Area Health Board has made available for teaching purposes all hospitals under its control; at present instruction has been arranged at the four major hospitals - Auckland, Middlemore, National Women's and North Shore. The Waikato Hospital Board also provides teaching facilities at Waikato Hospital for students.

Subjects studied include medicine, surgery, obstetrics and gynaecology, paediatrics, pathology, immunobiology, behavioural science, psychiatry, clinical pharmacology, general practice and community health together with their main sub-specialties. During their final year Trainee Interns are expected to undertake some supervised responsibility for the care of patients.

The Clinical Methods course of six weeks' duration introduces the students to the clinical examination of patients particularly physical examination and history taking. This is followed by an introductory series of lectures and symposia preceding the sequence of ward attachments in the next two years. These practical studies in hospital wards and outpatient clinics enable the student to observe and increasingly participate in the care of patients with diverse health problems in the general and special fields of medicine and surgery. During formal instruction emphasis is placed on topic teaching in which a particular disease or health problem is studied in its various aspects - medical, surgical, pathological and social.

During the Clinical Course students spend a proportion of their time in elective studies, that is pursuing in depth, subjects of particular interest to them. They also serve a period in general practice under the direction of family doctors.

Research

Each department in the School of Medicine has a range of active research programmes. These cover areas of basic medical science to clinical medicine. Opportunities exist for students to undertake supervised studies leading to a Master's degree, or to a Doctor of Philosophy. Students interested in research in the School of Medicine are encouraged to consult with the Head of Department of interest, or seek general information concerning financial support or opportunities available from the Sub-Dean. (Research and Graduate Studies).

Master of Medical Science (MMedSc)

This degree is taken after the completion of the BHB degree and can be taken in any of the basic medical science or clinical departments.

Master of Audiology

Master of Health Sciences

Master of Public Health

Doctoral Degrees

Doctor of Philosophy (PhD)

All departments undertake graduate teaching for the research Degree of Doctor of Philosophy (PhD) in accordance with the regulations of the University.

Doctor of Medicine (MD)

This is offered as a non-supervised research Degree by thesis alone and may not be submitted until five years after graduation MBChB. The Degree is usually based on clinical research work which may be undertaken outside the University. It is normally available to medical graduates of the University of Auckland and, under the Ad Eundem Admission Regulations to graduates of other medical schools who are working as members of the University of Auckland academic staff or who are conducting research in a Department of the Faculty of Medicine and Human Biology.

Candidates do not enrol in the normal fashion but at an appropriate stage in their research seek the recommendation of the Faculty to enrol for the Degree. Faculty's recommendation is based on a preliminary review of the topic, the methods involved in the investigation and the contribution of this work to medical knowledge. Permission to submit the thesis may be obtained after the work is completed or before it is undertaken but there is a five-year upper limitation of time between permission to submit and the actual submission of the thesis.

Diplomas

Diploma courses are offered in the Postgraduate School of Obstetrics and Gynaecology and by the Department of Paediatrics. All clinical departments are associated with the basic and advanced vocational training for the examination and diplomas offered by the various colleges.
DEGREE COURSE REGULATIONS

THE DEGREE OF BACHELOR OF HUMAN BIOLOGY BHB

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Except as provided in the Admission Regulations a candidate for the Degree of Bachelor of Human Biology shall follow a course of study for not fewer than three years.

Admission

2. (a) Admission to the course of study in Human Biology shall be at the discretion of the Senate. Application for admission to the course shall be made to the Registrar in writing before 1 October or such other date as the Senate may determine, of the year preceding that in which the applicant proposes to enrol.

(b) Admission to Part I of the course of study shall be granted or withheld upon a consideration of the past performance of the applicant at school and in public examinations, and upon an interview where this is required.

(c) In such exceptional circumstances as the Senate may approve or under the Admission Ad Eundem Statum Regulations, admission may be granted to an applicant to Part II and Part III.

Course Content

3. The course of study shall consist of three Parts. A candidate shall be required to pass as a whole each Part of the course of study: provided that a candidate, who re-enrols for a Part of the course of study having failed to pass it as a whole at the first attempt, may be allowed to carry out, to the satisfaction of the Heads of Departments concerned, alternative work in lieu of the work in that Part where his previous performance was satisfactory. For the purpose of assessing the grade of this candidate as a whole for a Part of the course of study the Senate may approve that the satisfactory pass grade in that previous work be carried forward.

Note: Normally a B- grade or better.

4. Except as provided in Regulation 2 (c) hereof no candidate shall be permitted to enrol in Part II of the course until he has passed Part I, or in Part III until he has passed Part II.

5. A candidate shall carry out to the satisfaction of the Senate such practical written, and tutorial work in each Part of the course of study as may be required.

6. The papers prescribed for examination for the course of study in Human Biology are:

Part I
 Biology 60.100, 60.101, 60.102
 Physico-Chemistry 60.103, 60.104, 60.105
 Behavioural Science and Community Health 60.108

Part II
 Anatomy 60.205
 Biochemistry 60.206
 Physiology (Medical) II 60.207
 Behavioural Science II 60.208

Part III
 Immunobiology 60.300
 General Pathology 60.301
 Neurolocomotor Systems 60.302
 Human Reproduction and Development 60.304
 Physiology (Medical) III 60.305, 60.306
 Pharmacology 60.307
 Behavioural Science III 60.308

7. (a) The Senate may in such exceptional cases as it thinks fit approve a personal course of study which does not conform to the foregoing Regulations.

(b) Every application for approval under this Regulation shall be submitted by the candidate in writing to the Registrar.

8. These Regulations shall come into force on 1 January, 1989.

THE DEGREE OF BACHELOR OF MEDICINE AND BACHELOR OF SURGERY MBChB

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations, a candidate for the Degree of Bachelor of Medicine and Bachelor of Surgery shall before enrolment have qualified for admission to the Degree of Bachelor of Human Biology not more than one academic year previously, except where the Senate otherwise permits.

2. Each candidate shall follow a course of study of not fewer than three years.

3. (a) No candidate shall be permitted to proceed to Part II until work prescribed for Part I has been completed to the satisfaction of the Senate.

(b) No candidate shall be permitted to proceed to Part III until the work prescribed for Parts I and II has been completed to the satisfaction of the Senate.

4. Each candidate shall follow the course of study for Part I, Part II and Part III continuously. Interrupted study may be resumed only with the approval of Senate and on such conditions as the Senate may determine.

5. On the recommendation of the Associate Dean (Academic), and at the discretion of the Senate, a candidate who fails any year of the course may be declined permission to re-enrol in the course as a whole.
Practical Work
6. A candidate shall carry out to the satisfaction of the Senate, such practical and clinical work in each year of the course as may be required.

Course Content
7. The course shall consist of three Parts:

**Part I (Year IV of the medical course)**
- Year Code: 90.100
- Lectures, laboratory and practical work, and clinical instruction in the diagnosis and management of patients in the hospital and in the community and the provision of health services in the population at large. Practical work will include experience of bicultural attitudes to health and health practices in New Zealand. Disciplines taught will include Medicine, Surgery, Paediatrics, Psychiatry, Behavioural Science, Community Health, General Practice, Pathology, Microbiology, Immunology and Haematology and Clinical Pharmacology.
- At the end of Part I (Year IV) there will be a written examination consisting of papers in Behavioural Science, in Community Health Medicine and in General Medicine and Surgical topics and an interdisciplinary clinical and oral examination.

**Part II (Year V of the medical course)**
- Year Code: 90.200
- Lectures, laboratory and practical work, and further clinical instruction in all disciplines building on the work of Part I (Year IV), with increasing emphasis on special areas in Medicine and Surgery.
- At the conclusion of Part II (Year V) there will be a major examination, consisting of (a) written papers in Pathology, Clinical Pharmacology, Obstetrics and Gynaecology, Paediatrics, General Practice, Behavioural Science and two papers in General Medical and Surgical topics; (b) an inter-disciplinary clinical/oral examination in Medicine and Surgery; (c) and inter-disciplinary objective structured clinical examination (OSCE) in practical topics.

**Part III (Year VI of the medical course)**
- Year Code: 90.300
- Clinical work as a trainee intern and with responsibility under supervision for patients during a period of nine months together with a further three-month elective period. Assessment of performance of each component of the trainee intern year is undertaken by the Academic Department in each discipline.

8. (a) A candidate shall be deemed to pass Parts I and II of the course when the Senate so resolves after consideration of a report from the Faculty of Medicine and Human Biology as to the candidate’s performance and results in his work for those Parts.

(b) A candidate shall be deemed to have completed Part III successfully on obtaining passing assessments from each of the periods of that academic year.


THE DEGREE OF MASTER OF AUDIOLOGY MAud

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

Note: Any student wishing to enrol for this Degree must consult the Dean of Medicine and Human Biology and obtain his approval before attending to enrol. The consultation should normally take place prior to 1 December preceding the year of intended enrolment.

Prerequisites
1. (a) Subject to the Admission Regulations, a candidate for the Degree of Master of Audiology, before enrolment for the Degree:
   - Shall have been admitted (or have qualified for admission to) any of the following qualifying degrees:-
     - Bachelor of Science (Honours); or Bachelor of Science; or Bachelor of Arts; or Bachelor of Human Biology; or
     - shall have attained any other qualification approved by the Senate as equivalent to a qualifying degree; and
   - Shall (subject to Regulation 2) have fulfilled the further prerequisites in the Schedule to this Regulation.
   - For the purposes of these Regulations, candidates for this Degree are classified according to their qualifying degree as:
     - 'BSc(Hons) candidates for this Degree'
     - 'BSc candidates for this Degree'
     - 'BA candidates for this Degree'
     - 'BHB candidates for this Degree'

(b) For the purposes of these Regulations, candidates for this Degree are classified according to their qualifying degree as:

Schedule
The further prerequisites are (subject to Regulation 2):

(a) For BSc, BSc(Hons) or BA candidates for this Degree:
- a pass with an average grade of C+ or better at Stage III in 12 credits of Physiology, together with at least 4 credits at Stage III level from Psychology;
- OR a pass with an average grade of C+ or better at Stage III in 12 credits of Psychology, together with at least 6 credits at Stage III level from Physiology;
- AND passes in the papers listed below:
  - Chemistry 08.111 or 08.121
  - Biology 39.101 or Zoology 38.102
  - Psychology 32.108
  - Psychology 32.109
  - Physics 31.141 or 31.151 or Music 28.113
  - Physiology 67.201
  - Psychology 32.220
  - Psychology 32.230
  - Psychology 32.240
  - Physiology 67.302
  - Physiology 67.303
  - Psychology 32.303
  - Psychology 32.307

(b) For BHB candidates for this Degree:
- a pass with an average grade of C+ or better in 60.305/60.306 Physiology (Medical) III.
Variation of or Exemption from Prerequisites

2. In any special case recommended by the Dean of Medicine and Human Biology, the Senate may at its discretion:-
   (a) vary in any way; or
   (b) exempt the candidate wholly or partly from the appropriate prerequisites in the Schedule to Regulation 1; and may accept a lower average grade than C+ in the prerequisites in paragraphs (a) and (b) of the Schedule to Regulation 1.

General Provisions

3. A candidate for the Degree of Master of Audiology shall:
   (a) pursue a course of study of not less than two academic years; and
   (b) undertake the course of study presented under Regulation 4 (subject to Regulation 5); and
   (c) pass separately the clinical or practical components of Audiology 751.401, 751.402, 751.403, 751.411, 751.412; and
   (d) pass as a whole the examinations as set out in Regulation 4.

4. Every candidate for the Degree shall:
   (a) in the first year of study (subject to Regulation 5) pass as a whole in respect of the following subjects:
      Audiology 751.401 Hearing Science
      Audiology 751.402 Basic Diagnostic Audiology
      Audiology 751.403 Basic Clinical Audiology;
      Physiology 67.405 Methods in Physiology
   (b) in the second year of study pass in each of two papers and pass in respect of a thesis as follows:
      Audiology 751.411 Advanced Diagnostic Audiology
      Audiology 751.412 Advanced Clinical Audiology
      Audiology 751.601 Thesis (which shall count as two papers).

Variation of Course of Study

5. With the approval of the Dean of Medicine and Human Biology, the Dean of Science and the Heads of the Departments involved, a candidate may be permitted to enrol in an alternative paper prescribed for the Degree of Master of Science instead of 67.405 Methods in Physiology prescribed in Regulation 4 (a) above.

6. A candidate shall not enrol for a paper which he or she has already passed.

Thesis

7. The following conditions shall apply to the thesis for Audiology 751.601
   (a) The Senate shall appoint a supervisor for the candidate upon the recommendation of the Dean of Medicine and Human Biology.
   (b) The thesis shall embody the results obtained by the candidate in an investigation in some branch of the subject.
   (c) In the case of a thesis recording laboratory work, that work shall be carried out within the University; but the Senate may permit a candidate to carry out the work in an approved institute outside the University for such period or periods as may be necessary.
   (d) A candidate shall present the thesis in the same academic year as that in which he or she first enrols for Audiology 751.601 or with the consent of the Dean of Medicine and Human Biology and subject to Regulation 9 of this Regulation, in any subsequent academic year.
   (e) The candidate shall submit the thesis to the Registrar by 1 November of the academic year in which it is presented or at such later date as may be agreed to by the Dean of Medicine and Human Biology.

Note: An abstract is to be submitted with each copy of the thesis; see Examination Regulations 15.

Honours

8. (a) There shall be two classes of Honours; First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions, First Division and Second Division.
   (b) Candidates who have completed the full requirements of this Degree are eligible for the award of Honours.
   (c) Honours shall be awarded if a candidate obtains a sufficient standard in the papers and thesis; but (subject to Regulation 9) a candidate who qualifies for an aegrotat or compassionate pass may retain eligibility for Honours by applying:
      (i) for an aegrotat or compassionate pass in one paper, or
      (ii) to resit all the papers affected, or
      (iii) for a pass or passes under (i) and to resit the remaining papers affected under (ii).

Note: In order to be eligible for Honours the candidate must complete all requirements of the Degree within the time limit specified in Regulation 9.

Time Limits

9. (a) The requirements for this Degree shall be completed by the end of the second academic year of enrolment.
   (b) In a special case the Senate may, on the recommendation of the Dean of Medicine and Human Biology, grant the candidate:
      (i) a time extension of three months, with continued eligibility for Honours;
      (ii) a further time extension of three months, the candidate being no longer eligible for Honours.
   (c) In exceptional circumstances the Senate may, on such written or other evidence as it requires, at its discretion grant a reasonable extension of time to a candidate for medical or compassionate or other compelling reasons. The extension may be granted:
      (i) whether or not there has been any extension under paragraph (b) of this Regulation; and
      (ii) with or without continued eligibility for Honours.

10. The Senate, upon the recommendation of the Head of the Department concerned, may, in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations or to the Schedule below.

11. These Regulations shall come into force on 1 January 1990.

THE DEGREE OF MASTER OF HEALTH SCIENCES MHSc

The personal Course of study of every candidate must be approved by the Senate. Approval will normally be granted for Courses which are in accordance with the following regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

Note: Any student wishing to enroll for this degree must consult and obtain the approval of the Dean of Medicine and Human Biology before attending to enrol. This consultation should normally take place prior to 1 December preceding the year of intended enrolment.

Prerequisites

1. Subject to the Admission Regulations, a candidate for the Degree of Master of Health Sciences shall before enrolment for the Degree:
   (a) (i) have to the satisfaction of the Senate been admitted or qualified for admission to a Bachelor's or Master's degree which qualifies the candidate to practise in one of the following health professions: Medicine, Dentistry, Physiotherapy, Nursing, Human Nutrition, Optometry, Audiology, Veterinary Surgery, Medical Social Work, Public Health, Biostatistics, Epidemiology, Clinical Psychology
   or
   (ii) have been admitted or qualified for admission to a Bachelor's degree and have not less than two years of relevant employment experience approved by the Senate.
(b) shall (subject to Regulation 2) have fulfilled the further prerequisites in the Schedule to these Regulations.

Note: The following Health Professions are recognised: Medicine, Dentistry, Physiotherapy, Nursing, Human Nutrition, Optometry, Audiology, Veterinary Surgery, Medical Social Work, Public Health, Biostatistics, Epidemiology and Clinical Psychology.

Schedule

The further prerequisites are (subject to Regulation 2):

A pass, with an average grade of C+ or better, in all Stage III papers or equivalent, in the appropriate prerequisite subjects as follows:

18 Stage III credits including at least 12 from the following subjects: Biochemistry, Cellular and Molecular Biology, Pharmacology, Physiology, Psychology, Zoology and such prerequisites as may be required for specific papers.

Variation of or exemption from Prerequisites

2. In any special case recommended by the Head of Department, the Senate may at its discretion:

(a) vary in any way; or

(b) exempt any candidate wholly or partly from the appropriate prerequisites in the Schedule to Regulation 1; and may accept a lower average grade than C+ in the prerequisites in that Schedule.

General Provisions

3. (a) A candidate for the Degree of Master of Health Sciences shall pursue a coherent course of study of not less than two academic years and:

(b) (i) pass in each of three papers, prescribed in regulation 3 of these regulations and

(ii) pass in respect of a thesis under the conditions in regulation 4 of these regulations (which shall count as equivalent to three papers),

or

(c) (i) pass in each of five papers, prescribed in regulation 3 of these regulations and

(ii) pass in respect of a dissertation under the conditions in regulation 5 of these regulations (which shall count as one paper).

Papers

4. The following conditions shall apply to the choice of papers:

(a) Every candidate will choose papers in consultation with the Head(s) of his or her Department(s) from those listed in clause (b) of this regulation and approved by the Dean of the Faculty of Medicine and Human Biology; provided that no paper that has been taken for another degree shall be taken or this degree.

(b) The papers of examination for the degree are:

39.481 Advanced Cellular and Molecular Biology for Biomedical Research
39.482 Recent Advances in Biomolecular Science A
39.483 Recent Advances in Biomolecular Science B
47.400 Reproductive Endocrinology
47.401 The Physiology of Pregnancy
65.401 Neuroanatomy
65.405 Special Topic in Anatomy
65.407 Biology of Connective Tissue
67.401 Mechanisms of Physiological Control
67.403 Neuropsychology
67.405 Methods in Physiology
67.407 Physiology of Exercise and Rest
68.403 Cell and Tissue Injury
68.404 Cancer Biology
68.407 Musculoskeletal Pathology
91.400 Epidemiology including Biostatistics
91.401 Social Sciences in Public Health
91.403 Health Economics
91.409 Special Topic in Community Health
92.400 Cardiovascular Medicine
92.401 Endocrine Medicine
92.402 Gastroenterology and Nutrition
92.405 Biology of Mammalian Growth
93.406 Perinatal Physiology
94.403 Health Psychology
94.404 Health Promotion for Individuals, Groups and Communities
94.405 Health Care Ethics
94.406 Developmental Perspectives on Health and Wellbeing
94.420 Special Topic in Psychiatry
96.401 Toxicology
96.404 Drug Disposition and Action
96.406 Cardiovascular Pharmacology
98.402 Development of Immunity
98.403 Special Topic in Immunobiology
98.404 Immunobiology

Subject to the recommendation of the Heads of Departments concerned and the approval of the Senate, up to two papers may be chosen from those offered at Master's level within the Faculty of Medicine and Human Biology, or from those offered in any other Faculty at Masters Degree level.

Note: *Starred papers will not be taught during the current Calendar year. #Daggered papers may not be taught during the current Calendar year. Not all of the remaining papers may be available.

Thesis

5. The following conditions shall apply to the thesis for Master of Health Sciences (788.60 I):

(a) The Senate shall appoint a supervisor for the candidate upon the recommendation of the Head of Department.

(b) The thesis shall embody the results obtained by the candidate in an investigation in some branch of the subject.

(c) In case of a thesis recording laboratory work, that work shall be carried out within the University; but the Senate may permit a candidate to carry out the work in an approved institute outside the University for such period or periods as my be necessary.

(d) The candidate shall submit the thesis to the Registrar by the date prescribed in regulation 7.

Note: An abstract is to be submitted with each copy of the thesis. See Examinations Regulations 14 and 15.
Dissertation
6. The following shall apply to the dissertation for Master of Health Science (788.604).
   (a) The Head of Department shall appoint a supervisor for the candidate.
   (b) The dissertation shall embody the results of research undertaken under the direct supervision of the supervisor.
   (c) The candidate shall submit the dissertation to the Registrar by the date prescribed in Regulation 7.

Note: An abstract is to be submitted with the dissertation. See Examination Regulation 14.

Honours
7. (a) There shall be two classes of Honours; First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions, First Division and Second Division.
   (b) Honours shall be awarded if a candidate completes the requirement of this degree within the time limit specified in Regulation 7 and obtains a sufficient standard in the papers and thesis/dissertation or provided that a candidate who qualifies for an aegrotat or compassionate pass may retain eligibility for Honours by applying:
      (i) for an aegrotat or compassionate pass in up to two papers, or
      (ii) to resit in the following year all the papers affected, or
      (iii) for a pass or passes under (i) and to resit the remaining papers affected under (ii).

Time Limits
8. (a) The requirements for this Degree shall be completed by the end of the second academic year of full time enrolment, or by the end of the fifth year of part-time enrolment.
   (b) Candidates will not be eligible for Honours if the course extends beyond three years whether the enrolment is full time or part-time provided that in an exceptional case the Senate may, on the recommendation of the Head of Department, grant the candidate:
      (i) a time extension of three months, with continued eligibility for Honours.
      (ii) a further time extension of nine months, the candidate being no longer eligible for Honours.

Exceptions
9. The Senate, upon the recommendation of the Head or Heads of Departments concerned, may, in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

10. These regulations come into force on 1 January 1991.

THE DEGREE OF MASTER OF MEDICAL SCIENCE MMedSc

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for Courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

Prerequisites
1. Subject to the Admission Regulations, a candidate for the Degree of Master of Medical Science shall before enrolment for the degree have been admitted or qualified for admission to the degree of Bachelor of Human Biology at the University of Auckland.

2. (a) A candidate for the degree of Master of Medical Science shall pursue a course of study of not less than twelve months.
   (b) (i) pass in each of two papers, prescribed in regulation 3 of these regulations, and
      (ii) pass in respect of a thesis (which shall count as four papers) under the conditions prescribed in regulation 4 of these regulations.

3. The following conditions shall apply to the choice of papers:
   (a) Every candidate will choose papers in consultation with the Head of the Department in which the student is enrolled for his or her thesis. The papers are those listed in clause (b) of this regulation. No paper that has been taken for another degree shall be taken for this degree.
   (b) The papers of examination for the degree are:
       39.481 Advanced Cellular and Molecular Biology for Biomedical Research
       39.482 Recent Advances in Biomolecular Science A
       39.483 Recent Advances in Biomolecular Science B
       39.484 Essay Topics in Biochemistry
       47.400 Reproductive Endocrinology
       47.401 The Physiology of Pregnancy
       65.401 Neuroanatomy
       65.405 Special Topic in Anatomy
       65.406 Special Topic in Anatomy
       65.407 Biology of Connective Tissues
       67.415 Advances in Physiology
       67.416 Research Topics in Physiology
       68.403 Cell and Tissue Injury
       68.404 Cancer Biology
       68.406 Forensic Pathology
       68.407 Musculoskeletal Pathology
       69.400 General Practice
       69.401 General Practice
       91.400 Epidemiology including Biostatistics
       91.401 Social Sciences in Public Health
       91.409 Special Topic in Community Health
       92.400 Cardiovascular Medicine
       92.401 Endocrine Medicine
       92.402 Gastroenterology and Nutrition
       93.400 Special Topic in Paediatrics
       93.401 Special Topic in Paediatrics
       93.405 Biology of Mammalian Growth
       93.406 Perinatal Physiology
       94.400 Psychiatry in Medicine
       94.401 Neurobiology of Psychiatric Disorders
The following conditions shall apply to the thesis for the Master of Medical Science (89.651):

(a) The thesis shall be submitted in accordance with the following regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and Examination Regulations.

(b) The thesis shall embody the results obtained by the candidate in an investigation in some branch of the subject.

(c) In the case of a thesis recording laboratory work, that work shall be carried out within the University provided that the Senate, in special cases, may permit a candidate to carry out the work in an approved institute outside the University for such period or periods as may be necessary.

(d) The candidate shall submit his thesis to the Registrar by the date prescribed in regulation 6.

Note: An abstract is to be submitted with each copy of the thesis; see Examinations Regulations 15 and 16.

Honours

5. (a) There shall be two classes of Honours; First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions, First Division and Second Division.

(b) Honours shall be awarded if a candidate completes the requirements of this degree within the time limit specified in Regulation 6 and obtains a sufficient standard in the papers and thesis or provided that a candidate who qualifies for an aegrotat or compassionate pass may retain eligibility for Honours by applying:

(i) for an aegrotat or compassionate pass in two papers, or

(ii) to resit in the year following the papers affected, or

(iii) for a pass under (i) and to resit the remaining paper affected under (ii).

Time Limits

6. (a) The requirements for this Degree shall be completed by the end of the second academic year of full time enrolment.

(b) Notwithstanding the requirements of Regulation 6(a), a candidate with other demanding responsibilities may fulfil the requirements for this degree within 36 months of first enrolment for the degree, with eligibility for Honours, this individual course of study being determined at or before first enrolment by the Senate on the recommendation of the Head of Department.

Exceptions

7. The Senate, upon the recommendation of the Head or Heads of Departments concerned, may, in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

8. These regulations come into force on 1 January 1991.

THE DEGREE OF MASTER OF PUBLIC HEALTH MPH

The personal Course of study of every candidate must be approved by the Senate. Approval will normally be granted for Courses which are in accordance with the following regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and Examination Regulations.

Note: Any student wishing to enrol for this degree must consult the Dean of Medicine and Human Biology and obtain his approval before attending to enrol. This consultation should normally take place prior to 1 October preceding the year of intended enrolment.

Prerequisites

1. Subject to the Admission Regulations, a candidate for the Degree of Master of Public Health shall before enrolment for the degree:

(a) have been admitted to or qualified for admission to a degree approved by the Senate, or

(b) have completed the requirements of a postgraduate public health diploma or degree or equivalent as approved by the Senate and

(c) have satisfied the Dean of the Faculty of Medicine and Human Biology that previous training and experience fits the candidate to undertake the course.

General Provisions

2. A candidate for the degree of Master of Public Health shall:

(a) pursue a course of study of not less than two academic years full-time or the equivalent part-time.

(b) complete both parts of the degree, each of which must be passed as a whole, as follows:

(i) To complete Part I the candidate shall pass in four of the papers listed in Regulation 3 of these Regulations and shall not be permitted to advance to Part II unless the candidate has obtained a grade of B or better in each of the selected papers, including the compulsory papers;

(ii) To complete Part II the candidate shall pass in each of two further papers from among those not already taken for Part I, and /or from those listed in Regulation 3(b)(ii) of these Regulations together with a dissertation (which shall count as two papers).

Papers

3. The following conditions shall apply to the choice of papers:

(a) Every candidate will choose papers in consultation with the Head of the Department of Community Health from those listed in clause (b) of this Regulation; provided that no paper that has been taken for another degree shall be taken for this degree.

(b) The papers of examination for the degree are:

(i) Part I

91.400 Epidemiology including Biostatistics
4. A candidate shall make application in writing to be examined. The application shall be lodged with the Registrar. It shall state the

Submission of the Thesis

5. As soon as reasonably possible, the Faculty of Medicine and Human Biology shall examine the application and shall make its

General Provisions

2. A candidate shall be required to present a thesis (90.70 I) in any branch of medicine or medical science. The thesis shall be specifically

3. No candidate shall submit a thesis for this Degree until at least five years after graduation to the Degree of Bachelor of Medicine

7. (a) The requirements for this degree shall be completed by the end of the second academic year of full-time enrolment, or by the

8. The Senate, upon the recommendation of the Head or Heads of Department concerned, may, in such exceptional circumstances as

THE DEGREE OF DOCTOR OF MEDICINE MD

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and Examination Regulations.

Note: Any student wishing to enrol for this degree must consult the Dean of Medicine and Human Biology and obtain his approval before attending to enrol. This consultation should normally take place prior to 1 October preceding the year of intended enrolment.

General Provisions

1. Except as provided in the Admission Regulations, a candidate for the Degree of Doctor of Medicine shall hold the Degree of Bachelor of Medicine and Bachelor of Surgery at the University of Auckland.

2. A candidate shall be required to present a thesis (90.70 I) in any branch of medicine or medical science. The thesis shall be specifically written for the purposes and shall embody a critical account of original studies carried out by the candidate which may include previously published work.

3. No candidate shall submit a thesis for this Degree until at least five years after graduation to the Degree of Bachelor of Medicine and Bachelor of Surgery.

Application to be Examined

4. A candidate shall make application in writing to be examined. The application shall be lodged with the Registrar. It shall state the title of the thesis to be examined and be accompanied by an outline of the proposed or actual scope of the work and the methods involved.

5. As soon as reasonably possible, the Faculty of Medicine and Human Biology shall examine the application and shall make its recommendation thereon to the Senate. The Senate shall then determine whether or not the application and the title and outline of the thesis should be approved.

Submission of the Thesis

6. The candidate shall (subject to Regulation 3) be required to submit a thesis by lodging three copies of it with the Registrar within five years of the date on which the Senate approves the title and outline of the thesis (or within such further time as the Senate may permit).
7. The thesis shall be accompanied by a Statutory Declaration which shall:
   (i) state the extent to which the thesis is based on the candidate’s own work and identify as clearly as possible any parts which are not so based;
   (ii) state what portion (if any) of the thesis submitted has been previously presented for a degree or diploma; and
   (iii) declare that the thesis in substantially its present form has not been previously accepted for the award of a degree of diploma in this or any other University and is not being concurrently submitted for a degree or diploma in any other University.

Examination of the Thesis
8. On receipt of the thesis, the Senate, on recommendation of the Faculty of Medicine and Human Biology, shall appoint two External Examiners (of whom at least one is resident outside New Zealand) and one Examiner who is a member of the teaching staff of the University of Auckland.
9. The duties of each Examiner shall be:
   (i) to report independently on the quality of the thesis and its value as a significant contribution to learning, and
   (ii) to recommend whether or not the degree should be awarded. Where the recommendation is that the Degree should not be awarded the Examiner may recommend that the candidate be permitted to resubmit the thesis at a later date.
10. The candidate may be required to take an oral or a written examination, or both, in the field of knowledge in which the thesis lies.
11. The reports of the Examiners shall be placed before the Senate which shall determine whether or not the Degree should be awarded.

DEGREE COURSE PRESCRIPTIONS

BHB
Course of Study in Human Biology - Part I
Departments of Anatomy, Biochemistry, Molecular Medicine, Chemistry, Immunobiology, Physics, Physiology, Psychiatry and Behavioural Science, Community Health.
60.100, 60.101, 60.102 Biology for Medicine
(Three papers and practical work)
Microbiology; Molecular Genetics; Cytology and Histology; Vertebrates; Human Anatomy; Embryology; Frontiers in Medical Research.
60.103, 60.104, 60.105 Physico-Chemistry
(Three papers and practical work)
Organic Chemistry (nomenclature, structure, isomerism, functional group reactivity, polymers, lipids, carbohydrates, amino acids, nucleic acids).
Biochemistry (introduction to proteins, enzymes, polysaccharides, intermediary metabolism).
Analytical and Physical Chemistry (spectrophotometry, spectrometry, chromatography, radio-chemistry, chemical energetics, solution chemistry, reaction kinetics).
Physics (mechanics, thermodynamics, gases, fluids, surfaces, solids, electromagnetism, oscillations and waves, light and sound, optics, quantum physics, medical physics).
Computing (computers in the medical environment, microcomputer operation, analysis of medical records, computer networks and communications, use of Medline to access medical literature, introductory word-processing and report preparation).
History of Medicine (with emphasis on the development of important ideas).
60.108 Behavioural Science and Community Health
(One paper and course work)
Behavioural Science is concerned with the scientific study of human behaviour related to health and medicine, with particular emphasis on the individual and group. The aim is to introduce basic concepts focusing on the behaviour of normal adults. Community Health is concerned with the distribution of disease in populations and strategies available for the prevention of disease. Particular attention will be given to the role of cultural and environmental factors.

Course of Study in Human Biology - Part II
Departments of Anatomy, Biochemistry, Physiology, Psychiatry and Behavioural Science.
60.205 Anatomy
(One paper and course work)
The study of tissue organisation, microscopic and gross anatomy of the trunk and its organ systems, limbs and the biology of the blood and immune system.
60.206 Biochemistry
(Two papers and course work)
Extension of subject-matter taught in Part I and the Biochemistry of major topics with particular reference to those relevant to Medicine.
60.207 Physiology (Medical) II
(Two papers and course work)
The study of circulatory, respiratory, alimentary and renal function and associated topics.
60.208 Behavioural Science II
(One paper and practical work)
The focus is on individuals and groups at risk for illness, with the main topics being human development across the lifespan, communication skills and health psychology. There is also an introduction to philosophical medical ethics.

Course of Study in Human Biology - Part III
Departments of Anatomy, Biochemistry, Molecular Medicine, Pathology, Physiology, Psychiatry and Behavioural Science, Pharmacology and Clinical Pharmacology.
60.300 Immunobiology
(One paper and practical work)
An introduction to the disciplines of Microbiology, Immunobiology and Haematology and their clinical importance.
60.301 General Pathology
(One paper and course work)
An introduction to the mechanisms of disease.
60.302 Neurolocomotor System
(One paper and practical work)
A study of the head and neck and of the nervous system including the special senses.
60.304 Human Reproduction and Development
(One paper and practical work)
A study of the biology of human reproduction and sexuality; aspects of human genetics, foetal development, growth and ageing; biochemical aspects of endocrinology and nutrition.
60.305, 60.306 Physiology (Medical) III
(Two papers and course work)
Studies of the integrated physiology of human organs systems including their control and the corrections of disturbances.
60.307 Pharmacology
(One paper and course work)
This course covers the absorption, distribution and fate of administered drugs; drug toxicity and abuse; the evaluation of new drugs; and the mechanisms of action of drugs that affect the various homeostatic control systems of the body.
60.308 Behavioural Science III
(One paper and practical work)
The focus is on the patient in care. Major topics are the health psychology, interviewing and counselling, human sexuality, ethics, and aspects of neuropsychology and life span development.

MBChB
The duration of the course will be three years.

MBChB (Part I)
(Fourth year of the Medical Course)
Clinical Methods
An introduction to clinical medicine is provided during the first section of the first term. Methods of history taking and physical examination are demonstrated and practised by students. Students are also introduced to the principles underlying the application of laboratory techniques and organ imaging to solving of patients' problems. The disciplines of behavioural science, medicine, surgery, pediatrics, psychiatry, pathology and radiology (organ
problems.

medicine which entails practical experience in dealing with health
prevention, and to give the student an understanding of the health
preventive medicine, health education, epidemiology and

The Community Medicine Course covers selected topics in
undertake an investigation of some aspects of community

Community Health
During a three day visit to a Marae, there will be practical
instruction and discussion of the expectations, needs, health
practices and cultural values of both Maori and Pacific Island
peoples.

Ward Attachments
During the first and second year of the course, there are eight ward
attachments, each of which is of four weeks' duration. The first
four of these ward attachments take place in the first year. During
the two years each student rotates through Paediatrics, Obstetrics &
Gynaecology and Psychiatry once each, through Surgery and
Medicine twice each and once through a four-week period of
Special Clinical Teaching which includes Geriatrics, Family
Medicine, Dermatology, Ophthalmology and Radiology.

Campus Teaching
Between ward attachments there are periods of Campus Teaching.
During this time the Community Health Programme in
Occupational and Environmental Health, Epidemiology and
Provision of Health Care is presented. Topic teaching covering
Systems of Medicine and principles of Obstetrics & Gynaecology,
of Paediatrics and of Geriatrics appropriate to subsequent ward
attachments is developed. Subjects appropriate to the topic
teaching are covered in Pathology and Clinical Pharmacology
programmes.

At the conclusion of the year there is a composite examination
consisting of two written papers, and for nominated students only,
a clinical/oral (viva) examination.

MBChB (Part II)
(Fifth year of the Medical Course)
Ward Attachments
In four ward attachments students complete the series described in
Part I, and a period of 'Elective' study is also offered.

Campus Teaching
The combined topic teaching in the systems of medicine is
completed. A number of symposia on topics not included in the
Systems of Medicine are covered. These include Medico-legal
aspects of practice, a short course in Ethics, management of head
injuries, management of patients with malignant disease,
alcoholism, aspects of rehabilitation medicine and topics in
behavioural science.

Community Health projects, small group teaching in Radiology
and half class studies in General Practice take place in the last two
terms. At the conclusion of the year there is a composite
examination consisting of six written papers, a clinical/oral and an
interdisciplinary objective structured clinical examination.

MBChB (Part III)
(Sixth year of the Medical Course)
This is a trainee intern year of 52 weeks divided into four quarters
of 12 weeks each and 4 weeks' holiday. One of these quarters is an
'Elective' period when the student may take optional training in
special disciplines of medicine. A list of approved electives is
provided from which to choose or students may generate new

During the first and second year of the course, there are eight ward
attachments, each of which is of four weeks' duration. The first
four of these ward attachments take place in the first year. During
the two years each student rotates through Paediatrics, Obstetrics &
Gynaecology and Psychiatry once each, through Surgery and
Medicine twice each and once through a four-week period of
Special Clinical Teaching which includes Geriatrics, Family
Medicine, Dermatology, Ophthalmology and Radiology.

Campus Teaching
Between ward attachments there are periods of Campus Teaching.
During this time the Community Health Programme in
Occupational and Environmental Health, Epidemiology and
Provision of Health Care is presented. Topic teaching covering
Systems of Medicine and principles of Obstetrics & Gynaecology,
of Paediatrics and of Geriatrics appropriate to subsequent ward
attachments is developed. Subjects appropriate to the topic
teaching are covered in Pathology and Clinical Pharmacology
programmes.

At the conclusion of the year there is a composite examination
consisting of two written papers, and for nominated students only,
a clinical/oral (viva) examination.

MBChB (Part II)
(Fifth year of the Medical Course)
Ward Attachments
In four ward attachments students complete the series described in
Part I, and a period of 'Elective' study is also offered.

Campus Teaching
The combined topic teaching in the systems of medicine is
completed. A number of symposia on topics not included in the
Systems of Medicine are covered. These include Medico-legal
aspects of practice, a short course in Ethics, management of head
injuries, management of patients with malignant disease,
alcoholism, aspects of rehabilitation medicine and topics in
behavioural science.

Community Health projects, small group teaching in Radiology
and half class studies in General Practice take place in the last two
terms. At the conclusion of the year there is a composite
examination consisting of six written papers, a clinical/oral and an
interdisciplinary objective structured clinical examination.

MBChB (Part III)
(Sixth year of the Medical Course)
This is a trainee intern year of 52 weeks divided into four quarters
of 12 weeks each and 4 weeks' holiday. One of these quarters is an
'Elective' period when the student may take optional training in
special disciplines of medicine. A list of approved electives is
provided from which to choose or students may generate new
protocols.

The remaining 36 weeks are spent participating, under
supervision, in the responsibility for the care of sick people in
hospital and in the home.

Assessment, including clinical and oral examinations where
appropriate, of the student's progress will be made at the end of
each assignment.

Community Health
The Community Medicine Course covers selected topics in
preventive medicine, health education, epidemiology and
occupational health. The object is to emphasise the importance of
prevention, and to give the student an understanding of the health
service and how the various arms of the service, both hospital and
community based, interact with the population. In Part II students
undertake an investigation of some aspects of community
medicine which entails practical experience in dealing with health
problems.

General Practice
There are a series of seminars and visits concerning Primary
Health Care and General Practice.

In the Trainee Intern Year the students are attached to an approved
teaching practice for four or six weeks, during which time they see
patients and discuss their management with the general
practitioner, attend house visits and take part in a weekly seminar
conducted by a member of the Department of General Practice.

Gynaecology and Obstetrics
Gynaecology and Obstetrics will deal with the physiology,
endocrinology and pathology of human reproduction and their
application to the clinical practice of gynaecological and obstetric
medicine. The teaching will emphasise the incorporation of the
principles of this subject into total medical practice. The
theoretical teaching will be included in whole class Topic
Teaching during the first and second years of the course. Practical
patient management will be taught during a four-week ward
attachment. During the third (Trainee Intern) year, there will be a
six-week attachment at National Women's Hospital, Middlemore
Hospital, Waikato Hospital, or other selected base hospital.

Within this period is a week of attachment to Neonatal Paediatrics.

Molecular Medicine
Teaching in Molecular Medicine includes the disciplines of
Microbiology, Immunology and Haematology. An introduction to
microbiology and molecular genetics is taught in the first year and
an introduction to concepts in immunology is taught in the second
year of the course in Human Biology. In the third year of the
course, medical microbiology and haematology, and clinical
immunology are taught. These courses provide an integrated basis
for the clinical teaching which continues throughout the course for
MBChB. During the first year of the course for MBChB, clinical
microbiology is taught as part of the principles of pathophysiology,
while immunology, haematology and infectious disease teaching is
integrated with teaching programmes of other clinical
departments.

An elective programme in Molecular Medicine is available for
periods of up to three months during the third year of the course for
MBChB.

Medicine
Various common medical diseases affecting different organ
systems of the body will be considered with emphasis on their
natural history, clinical presentation, methods of diagnosis,
together with principles of treatment and prevention. Clinical
clerkship will provide experience both in acute general medicine
and, during the second year of the course, on selected aspects of
different specialities within internal medicine. Tutorial teaching
will play an important part in this teaching programme in which
emphasis will be placed on the quality of the written as well as the
verbal case presentations.

Paediatrics
The undergraduate course in Paediatrics commences with an
interdisciplinary child development and family study in the
second and third years of the course in Human Biology. Patient-
based teaching in Paediatrics is carried out in the hospital and
community setting over the three years of the clinical course.

Prevention of disease and the effect of disease on the developing
child are emphasised in the departmental contribution to the
course of lectures given in the first two years of the clinical course
on the organic and psycho-social basis of ill health. At the end of
this course of lectures students are examined in their knowledge
and comprehension of the principles of Paediatrics. In the third
year of the clinical course there is a period of trainee internship in
Paediatrics which is mandatory and a term of elective study in the
broad field of child health is offered.

Pathology
Teaching in Pathology commences in the third term of the third
year of the course in Human Biology, and continues throughout
the first, second and third years of the course for MBChB Subjects
under the aegis of Pathology include the Morphological Basis of
Disease, Chemical Pathology, and Forensic Medicine. During the
first part of the first year of the course for MBChB the principles
of pathology are taught on the basis of the teaching in these
subjects undertaken during the latter part of the course in Human
Biology. During the remainder of the first year, and through the
second year, the teaching in pathology is largely integrated with
the teaching programmes of other clinical departments.

An elective programme in pathology is available for periods of up
to 3 months during the third year of the course.
Psychiatry and Behavioural Science
With a background in normal human behaviour and the neurosciences from the Human Biology course, students will receive instructions during the clinical triennium in psychopathology and in the application of the behavioural sciences to medicine. Psychiatry teaching, focused on the diagnosis and management of patients with psychiatric and psychological disturbance, is incorporated in full-time rotations combining theory and clinical work in the 4th or 5th and 6th years. The emphasis is on giving students a set of concepts and clinical skills to enable them to recognise psychological and psychiatric disorders in the practice of medicine in all its branches and a sound grasp of psychopharmacology. Behavioural Science teaching takes place in whole class sessions and seminars. It aims to continue at the applied clinical level the themes covered in the first three years as well as to prepare the student to recognise behavioural aspects of medical cases, and be able to plan appropriate behavioural medicine and psychosocial interventions in general medicine.

Surgery
Surgical diseases will be taught covering their natural history, pathology, methods of diagnosis (including special investigations such as radiology and clinical biochemistry), and general principles of treatment. Included in the surgical diseases will be those related to eye, ear, nose and throat, the musculo-skeletal system, the genito-urinary system, the nervous system and those related to plastic surgery. The theoretical teaching of these subjects will be done within the Topic Teaching course. Clinical clerkships will be required in general surgery and the special divisions of surgery listed above, including the Accident and Emergency Department. Theoretical and practical teaching in anaesthesia will be given.

The examination in surgery will be part of the composite examination at the end of the second year together with assignments during the first and third years.

MAud
Students who propose to undertake the MAud Degree should consult the Co-ordinator of the Course in Audiology as early as possible and preferably before the end of the academic year preceding the year of enrolment for the Degree.

Audiology

751.401 Hearing Science
Acoustics; psychoacoustics; anatomy, physiology, neuroanatomy, neurophysiology and pathology of the auditory system; speech perception by the hearing-impaired; signal processing; instrumentation.

751.402 Basic Diagnostic Audiology
Basic audiometric techniques (pure tone audiometry, speech audiometry, impedance audiometry, history taking, non-organic hearing loss); paediatric hearing assessment methods, occupational hearing conservation.

751.403 Basic Clinical Audiology
Hearing disorders; diseases of the ear; speech and language development; aural rehabilitation; counselling; amplification strategies; hearing aid characteristics.

751.411 Advanced Diagnostic Audiology
Evoked response test methods; central auditory perceptual dysfunction; site-of-lesion testing; report writing; case studies.

751.412 Advanced Clinical Audiology
Hearing development in infants and children; deafness in children; genetic aspects of deafness; deafness detection in children; educational audiology; prescriptive hearing aid fitting methods; cochlear implants.

751.601 Thesis in Audiology
This requires the preparation of a thesis (equivalent to two papers) on a research topic undertaken under the supervision of a staff member and written up for presentation and examination instead of written papers. Before 1 November of the preceding academic year, each candidate shall submit a proposed research topic to the Board of Studies in Audiology for approval by the Dean of Medicine and Human Biology.

Note: Prescriptions for other papers constituting part of the Degree of Master of Audiology may be found in the appropriate sections of the Calendar.

MHSc
The papers listed under MHSc Regulation 3(b) are as prescribed for MMedSc

MMedSc

Department of Anatomy
65.401 Neuroanatomy
The organisation of the mammalian nervous system with particular emphasis on the cellular, chemical and connective anatomy of the sensory and motor systems.

65.405 Special Topic in Anatomy
65.406 Special Topic in Anatomy

Advanced study in selected areas of anatomy usually in fields related to the thesis topic. The special topics will include developmental biology (inclusive of teratology), cell motility and the cytoskeleton.

65.407 Biology of Connective Tissues
The study of connective tissue structure, composition and function with particular emphasis on the role played by mechanical forces in development, maintenance, repair and pathology.

School of Biological Sciences
39.481 Advanced Cellular and Molecular Biology for Biomedical Research
Selected examples of biomedical research will be discussed, in which cellular and molecular techniques are applied to advance knowledge of disease processes and aimed at finding cures. Topics will overlap biomedical research themes in Auckland.

39.482 Recent Advances in Biomolecular Science A
A selection of contemporary topics in the field of structure and function of important biomolecules and cellular function.

39.483 Recent Advances in Biomolecular Science B
A series of biomolecular topics which complement those taught in 39.482.

39.484 Essay Topics in Biochemistry
Essay topics are chosen from contemporary research areas in the biomedical and biological areas.

Department of Community Health
91.400 Epidemiology including Biostatistics
The distribution and determinants of health and disease in human populations. Analytical techniques and methods of investigation. Patterns of morbidity and mortality in the New Zealand population. Sources of health data.

91.401 Social Sciences in Public Health
Key concepts in the social sciences and their application to health issues. Analysis of the relationship between health and society, the welfare state, and salient social, cultural and demographic features of New Zealand.

91.409 Special Topic in Community Health
Advanced study in selected areas of Community Health usually in fields related to the thesis topic. The selected topics will be in the areas of health economics and health promotion.

Department of General Practice
69.400 Special Topic in General Practice
69.401 Special Topic in General Practice
Advanced study in such areas as community research methodology, continuing education methodology, screening for disease and health risks in the community.

Department of Medicine
†92.400 Cardiovascular Medicine
The course will be based on basic cardiovascular anatomy and physiology with detailed study of the pathophysiology of common cardiovascular conditions and management principles. Specific areas of study will include atherosclerosis, hypertension, coronary artery disease or heart failure.

†92.401 Endocrine Medicine
The course involves basic training in endocrinology with a detailed study of homeostatic mechanisms, hormone relationships and mechanisms and measurement of hormone action. A specific research topic will be allocated in the general areas of calcium metabolism, hormone dependent cancer, or thyroid pathophysiology.
Advanced study of the development of forensic pathology, death

Forensic Pathology

68.407 Topoisomerases, polymerases and regulatory elements, and the reactive anticancer drugs, recognition of DNA by proteins such as topics include DNA and the chemistry of its interaction with oncology, with particular reference to the molecular and cellular regulation of fetal growth.

Department of Pathology

76.403 Cell and Tissue Injury

An in-depth consideration of the mechanisms involved in cell and tissue injury, the ways such injury and the response to it become manifest as disease, and a critical evaluation of the various methods used to conduct research in this field.

68.404 Cancer Biology

The course provides an introduction to the basic science of oncology, with particular reference to the molecular and cellular processes underlying cancer treatment.

Topics include DNA and the chemistry of its interaction with reactive anticancer drugs, recognition of DNA by proteins such as topoisomerases, polymerases and regulatory elements, and the exploitation of these processes by anticancer drugs, oncosgenes and other regulatory gene products, tumour growth kinetics and tumour architecture with particular reference to cell killing by radiotherapy and chemotherapy, and the role of host responses in cancer therapy.

76.406 Forensic Pathology

Advanced study of the development of forensic pathology, death and the changes after death, wounds and injuries, hypoxic and related deaths, the forensic autopsy, reconstruction of a crime scene from autopsy findings.

68.407 Musculoskeletal Pathology

Advanced study of the pathology of the musculoskeletal system. Topics will include injury and repair, the pathology of selected conditions and the prevention of musculoskeletal disorders.

Department of Pharmacology and Clinical Pharmacology

96.400 Special Topic in Pharmacology

Advanced study in a specific area, usually related to the field of study of the thesis.

96.401 Toxicology

Chemical toxicology (including drugs) - mainly human. Clinical and structural manifestations of toxicity, mechanistic toxicology, principles of toxicokinetics, genetic toxicology and carcinogenesis, reproductive toxicology, teratology and reproductive toxicology, neurotoxicology, immunotoxicology, statistics and epidemiology, toxicology testing, regulatory toxicology, ecotoxicology.

96.402 Special Topic in Clinical Pharmacology

Advanced study in a specific area, usually related to the field of study of the thesis.

96.404 Drug Disposition and Action

Analysis of processes which affect absorption, disposition, metabolism and excretion of drugs. Sites and mechanisms of drug action.

96.406 Cardiovascular Pharmacology

Mechanism of action of drugs on the cardiovascular system; drugs that alter the effects of neurotransmitters, hormones and local hormones on the cardiovascular system; drugs used to treat hypertension, cardiac arrhythmias, angina pectoris, heart failure, circulatory shock and hyperlipoproteinaemia; drugs affecting blood coagulation.

96.408 Pharmacometrics

Application of mathematical models to interpretation of pharmacological observations. Use of computer based analysis methods.

Department of Physiology

76.415 Advances in Physiology

76.416 Research Topics in Physiology

Department of Psychiatry and Behavioural Science

94.400 Psychiatry in Medicine

Psychosomatic relations, abnormal illness behaviour, states of chronic pain, and the interaction of medical and psychiatric disorders.

94.401 Neurology of Psychiatry Disorders

Neurochemical and electrophysiological aspects of mental disorder, including ischaemia-related neuropathologies.

94.403 Health Psychology

A review of the psychological factors involved in health and illness. Topics include the understanding of patient behaviour in medical settings, preventative health behaviour, psychoneuroimmunology, stress and illness.

94.404 Health Promotion for Individuals, Groups and Communities

Theory and practice of health promotion based on behavioural and community development principles for those who wish to work directly with people. Topics include health promotion philosophy and concepts, programme design, intervention methods and relevant evaluation.

94.405 Health Care Ethics

Theories of health and theories of moral philosophy are combined in order to improve decision-making in ethically difficult situations. Topics include the nature of health, utilitarianism and deontology, autonomy, rationing health care, and health care purpose.

94.406 Developmental Perspectives on Health and Wellbeing

Study of the relationships among aspects of normal development and physical and psychological wellbeing. The focus will be on phases of the lifespan, including fostering of secure relationships in childhood, adolescent development and health, parenting issues, midlife and wellbeing, optimising old age.
Faculty of Medicine and Human Biology

Experiential perspectives. Theoretical, practice and personal has a strong psychological orientation and encompasses social and transpersonal issues with particular emphasis on community and experiential perspectives. Theoretical, practice and personal development dimensions are covered.

Special Topic in Psychiatry
Advanced study of specific aspects of Psychiatry usually in a field of study of the thesis.

Department of Community Health

91.400 Epidemiology including Biostatistics
The distribution and determinants of health and disease in human populations. Analytical techniques and methods of investigation. Patterns of morbidity and mortality in the New Zealand population. Sources of health data.

91.401 Social Sciences in Public Health
Key concepts in the social sciences and their application to health issues. Analysis of the relationship between health and society, the welfare state, and salient social, cultural and demographic features of New Zealand.

91.402 Environmental Health and Health Protection
Description and identification of significant environmental and occupational health problems and their determinants. Strategies and policies for disease and hazard prevention and control, and their evaluation.

91.403 Health Economics
Basic concepts of economic analysis and their application in the health sector. The relationship between health and the economy, consideration of the health care industry, techniques of economic evaluation and planning.

91.404 Health Promotion
Principles of health promotion and health education. Building healthy public policy, creating supportive environments, strengthening community action, developing personal skills, re-orienting health services, evaluating interventions.

91.405 Health Services Management
Organisation and funding of the New Zealand health system, service planning, management of change, industrial relationships, decision-making and policy development, organisational dynamics, and principles of management.

91.406 Special Topic in Public Health
In-depth consideration of some aspect of public health.

91.407 Advanced Epidemiology
Advanced techniques and methods of investigation with special reference to cardiovascular disease and injury research. A problem-based approach will be adopted.

576 Faculty of Medicine and Human Biology

DIPLOMA COURSE REGULATIONS

Diploma in Community Accident and Emergency Medicine

DipComA&EmMed

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for Courses which are in accordance with the following regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

Note: Any student wishing to enrol for this degree must consult and obtain the approval of the Dean of Medicine and Human Biology before attending to enrol. This consultation should normally take place prior to 1 October preceding the year of intended enrolment.

Prerequisites

1. Subject to the Admission Regulations, a candidate for admission to the course for the Diploma in Community A & E shall:
   (a) hold a medical qualification approved by the Senate, and have registration with the Medical Council of New Zealand to practise in New Zealand, and
   (b) have been admitted to Membership of the Royal New Zealand College of General Practitioners or have equivalent experience in general practice as approved by the Senate.

General Provisions

2. A candidate for the Diploma in Community Accident & Emergency Medicine shall:
   (a) pursue a course of study not less than one academic year of full-time or the equivalent part-time study, and
   (b) pass separately each of the three papers listed under Regulation 3.

Papers

3. (a) The papers for this Diploma shall be:
   69.503 Management of Musculoskeletal Disorders in Accident and Emergency Medicine.
   69.504 Surgical Management in Accident and Emergency Medicine.
   69.505 Medical Management in Accident and Emergency Medicine.
   (b) A candidate for this diploma who has been credited for another degree or diploma with any paper the same as or similar to that prescribed under Regulation 3 (a) of this Diploma shall substitute for each paper so credited such additional paper or papers as the Head of Department may approve.

Time Limits

4. The requirements for this Diploma shall be completed in one academic year of full-time enrolment or two academic years of part-time enrolment.

Exceptions

5. The Senate, upon the recommendation of the Head of the Department of General Practice may, in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing regulations.

6. These Regulations shall come into force on 1 January 1995.

Diploma in Environmental Management

DipEnvrMgmt

The Diploma in Environmental Management is an Inter-faculty offering. For detailed Regulations refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.
DIPLOMA IN GERIATRIC MEDICINE DipGeriatMed

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for Courses which are in accordance with the following regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

Note: Any student wishing to enrol for this degree must consult and obtain the approval of the Dean of Medicine and Human Biology before attending to enrol. This consultation should normally take place prior to 1 October preceding the year of intended enrolment.

Prerequisites
1. Subject to the Admission Regulations, a candidate for admission to the course for the Diploma in Geriatric Medicine shall:
   (a) hold a medical qualification approved by the Senate, and have registration with the Medical Council of New Zealand to practice in New Zealand, and
   (b) have been admitted to Membership of the Royal New Zealand College of General Practitioners or have equivalent experience in general practice as approved by the Senate.

General Provisions
2. A candidate for the Diploma in Geriatric Medicine shall:
   (a) pursue a course of study not less than one academic year of full-time or the equivalent part-time study, and
   (b) complete a supervised clinical attachment of not less than one week duration in a geriatric unit approved by the Faculty of Medicine and Human Biology, and
   (c) pass separately each of the three papers listed under Regulation 3.

Papers
3. (a) The papers for this Diploma shall be:
   69.500 Clinical biological aspects of ageing.
   69.501 Demographic, social and administrative aspects of health services for the elderly.
   (b) A candidate for this Diploma who has been credited for another degree or diploma with any paper the same as or similar to that prescribed under Regulation 3(a) of this Diploma shall substitute for each paper so credited such additional paper or papers as the Head of Department may approve.

Time Limits
4. The requirements for this Diploma shall be completed in one academic year of full-time enrolment or two academic years of part-time enrolment.

Exceptions
5. The Senate, upon the recommendation of the Head of the Section of Geriatrics and the Head of the Department of General Practice may, in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing regulations.
6. These regulations shall come into force on 1 January 1995.

Note: The following are approved hospitals for the purpose of Regulation 2(b): Auckland Hospital, Middlemore Hospital, North Shore Hospital. Other hospitals meeting the criteria of the Royal Australasian College of Physicians for training in geriatric medicine may be recognised.

DIPLOMA IN GYNAECOLOGY AND OBSTETRICS DipG&O

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. A candidate for the Diploma in Gynaecology and Obstetrics shall:
   (a) enrol not later than 1 March for the June examination and 1 September for the December examination, or such later dates as the Senate approves; and
   (b) before sitting for Part 2 of the examination:
      (i) hold a qualifying degree or diploma approved by the Medical Council of New Zealand for four years and be registered in New Zealand or hold equivalent Commonwealth registration for three years, or
      (ii) be a medical diplomat of the Fiji School of Medicine of six years' standing; and
   (c) hold for at least one year the Diploma of Obstetrics of the University of Auckland or of Otago or of the Royal College of Obstetricians and Gynaecologists; and
   (d) have undertaken at least two years' training in the speciality of gynaecology and obstetrics in posts approved by the Royal College of Obstetricians and Gynaecologists provided that only one year of service at the Colonial War Memorial Hospital, Suva, shall count towards the total, and
   (e) prior to his acceptance for Part 2 of the examination, have submitted dissertations on an obstetrical and on a gynaecological subject which has been approved by the Head of the Department.

Notwithstanding anything in this Regulation, the Vice-Chancellor may on the recommendation of Senate relax or modify these conditions.

Examinations
2. The examinations for the Diploma in Gynaecology and Obstetrics shall consist of two papers which may be taken separately or together.

Part 1 shall consist of a written examination (two papers), 47.101, 47.102 on reproductive biology and basic medical sciences as applied to gynaecology and obstetrics. The Part 1 examination may be taken during the training period specified above in 1 (d).

Part 2
(a) Written (two papers), 47.103, 47.104
(b) Clinical
(c) Oral

The examination shall be held at the Postgraduate School of Obstetrics and Gynaecology during June and December.

3. These Regulations shall come into force on 1 January, 1972.
DIPLOMA IN MENTAL HEALTH DipMentH

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

Note: Any student wishing to enrol for this diploma must consult and obtain the approval of the Dean of Medicine and Human Biology before attending to enrol. This consultation should normally take place prior to 1 December preceding the year of intended enrolment.

Prerequisites
1. Subject to the Admission Regulations, a candidate for the Diploma in Mental Health shall before enrolment for the Diploma (a) have been admitted to a degree in medicine, nursing or social work, or other relevant degree approved by the Senate, or (b) have obtained a relevant professional qualification in clinical psychology, nursing, social work, or occupational therapy approved by the Senate, and have had not less than two years appropriate employment in the health or allied field approved by the Head of the Department of Psychiatry and Behavioural Science.

General Provisions
2. A candidate for the Diploma in Mental Health shall:
   (a) pursue a course of study not less than one academic year of full-time or the equivalent part-time study, and
   (b) undertake a course of study presented under Regulation 3, and
   (c) pass separately each of the four papers listed under Regulation 3.

Papers
3. The course of study for this Diploma shall consist of:
   194.407 Clinical Psychiatry
   and three papers selected with the approval of the Head of Department of Psychiatry and Behavioural Science from:
   125.318 Psychiatry and the Law
   94.401 Neurobiology of Psychiatric Disorders
   94.403 Health Psychology
   94.404 Health Promotion for Individuals, Groups and Communities
   94.405 Health Care Ethics
   94.406 Developmental Perspectives on Health and Wellbeing
   94.501 General Forensic Psychiatry
   94.503 Developmental and Family Mental Health
   94.504 Psychological Aspects of Medical Practice
   94.505 Special Topic in Mental Health
   94.506 Comprehensive Rehabilitation of Mental Disorders
   94.507 Psychological Intervention Strategies in Mental Health
   any other 300 or 400 level paper approved by the Head of Department.

Note: Papers other than the compulsory paper will not necessarily be offered every year.

No candidate may present for this Diploma a paper which is the same or substantially similar in content to any paper the candidate has already passed for another degree or diploma.

Time Limits
4. (a) The requirements for this Diploma shall be completed by the end of the second academic year of full-time enrolment, or by the end of the fourth academic year of part-time enrolment.
   (b) In an exceptional case the Senate may, on the recommendation of the Head of Department of Psychiatry and Behavioural Science, grant the candidate a time extension of one year.

Exceptions
5. The Senate upon the recommendation of the Head of Department of Psychiatry and Behavioural Science may in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

6. These Regulations shall come into force on 1 January 1993.

DIPLOMA IN OBSTETRICS Dip Obst

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Candidates for the Diploma in Obstetrics shall enrol at the University within the first week of their clinical attachment. (This may change from year to year but would usually be early in the months of March, June, September or December.)
   (i) Candidates for admission to the course for the Postgraduate Diploma in Obstetrics must have held a medical qualification for one year before commencing the course and must satisfy the Faculty of Medicine that previous training and experience fit the course.
   (ii) During the course candidates must hold a resident appointment in obstetrics and gynaecology in a hospital recognised for this purpose by Senate.
   (iii) Candidates must hold a resident appointment for at least 6 months and be engaged in training for a total time, excluding leave, of a minimum of 1600 hours. This minimum time may include up to 100 hours of formal education and up to 400 hours may be spent in a specific attachment to neonatal paediatrics.
   (iv) Candidates will be required to submit a logbook of their clinical experience.
   (v) Auckland. Candidates will be required to enrol with the University of Auckland within the first week of a resident appointment at National Women’s and Middlemore Hospital.
   (vi) Other Centres. Candidates from other approved centres may be excused the lecture course providing they attend the intensive courses in obstetrics, neonatal paediatrics, family planning and medical gynaecology held by the Department of Obstetrics and Gynaecology prior to the examination.

Notwithstanding anything in this Regulation the Senate may, in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

Examinations
2. The examinations for the diploma in Obstetrics shall be in three parts:
   (a) Written (one three-hour paper - 47.500)
3. The examinations shall be held in the Department of Obstetrics and Gynaecology twice yearly.
4. Candidates shall apply to sit for the examination not later than 1 February or 1 August for the next succeeding examination.

DIPLOMA IN PAEDIATRICS DipPaed

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Diploma in Paediatrics shall:
   (a) pre-enrol not later than 5 December or such later date as the Senate approves, and enrol on the day as stated in the Enrolment Timetable in the Calendar;
   (b) on 31 December following his or her enrolment for this Diploma have held a medical qualification registrable in New Zealand, for one year, or have been a graduate from the Central Medical School of Fiji;
   (c) normally sit the examinations in the year following his or her enrolment;
   (d) hold or have held a resident appointment in paediatrics for at least six months in a hospital recognised for this purpose by Senate; this time may include up to three months spent in neonatal medicine;
   (e) complete to the satisfaction of Head of Department any prescribed course requirements before being admitted to the examination; such requirements will include:
      (i) satisfactory performance of clinical duties,
      (ii) satisfactory participation during the course in community aspects of child care;
   (f) be required to submit a logbook of his or her experience in community aspects of child care.

Examinations
2. (1) The examinations for the Diploma shall be:
   (a) Written Paper 93.404
   (b) Clinical
   (c) Oral
   (2) The examination for paper 93.404 will consist of a compulsory section and one of two optional sections:
      (a) Pacific Paediatrics
      (b) General Paediatrics
   (3) The examination will be held once a year in the Department of Paediatrics.
   (4) The diploma may be awarded with distinction.

Exceptions
3. The Senate, upon the recommendation of the Head of Department of Paediatrics, may, in exceptional circumstances, approve a personal course of study which does not conform to the foregoing Regulations.
4. These Regulations shall come into force on 1 January 1991.
DIPLOMA IN SPORTS MEDICINE DipSportMed

Enrolment and Course Regulations (General), and the Examination Regulations.

Notes: Any student wishing to enrol for this degree must consult and obtain the approval of the Dean of Medicine and Human Biology before attending to enrol. This consultation should normally take place prior to 1 October preceding the year of intended enrolment.

Prerequisites
1. Subject to the Admission Regulations, a candidate for admission to the course for the Diploma in Sports Medicine shall:
   (a) hold a medical qualification approved by the Senate, and have registration with the Medical Council of New Zealand to practice in New Zealand, and
   (b) have been admitted to Membership of the Royal New Zealand College of General Practitioners or have equivalent experience in general practice as approved by the Senate.

General Provisions
2. A candidate for the Diploma in Sports Medicine shall:
   (a) pursue a course of study not less than one academic year of full-time or the equivalent part-time study, and
   (b) pass separately in each of the examinations listed in Regulation 3.

Examinations
3. The examinations for the Diploma shall be:
   (a) Paper 69.506
   (b) Objective Structured Clinical Examination

Time Limits
4. The requirements for this Diploma shall be completed in one academic year of full-time enrolment or two academic years of part-time enrolment.

Exceptions
5. The Senate, upon the recommendation of the Head of the Department of General Practice may, in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing regulations.

6. These Regulations shall come into force on 1 January 1995.

DIPLOMA COURSE PRESCRIPTIONS

DipComA&EMed
69.503 Management of Musculoskeletal Disorders in Accident and Emergency Medicine
This will include the examination of the musculoskeletal system including radiology, the principles of dislocation and fracture, the use of plaster and splints and some aspects of plastic surgery of the hand.

69.504 Surgical Management in Accident and Emergency Medicine
This will include the transport and management of major trauma, the care of wounds and management of eye and hand injuries, the assessment and immediate management of burns, the use of regional and local anaesthetics and sedation and aspects of acute ear, nose and throat, genitourinary and gastrointestinal disorders.

69.505 Medical Management in Accident and Emergency Medicine
This will include a review of cardiopulmonary resuscitation and the management of anaphylaxis, the assessment and immediate management of chest pain, shortness of breath, stupor and coma, head injury, toxin ingestion and diabetic coma. Aspects of sexually transmitted diseases, complications of pregnancy and emergency paediatrics and psychiatry will also be included.

DipG&O
Part 1
The subjects covered by two papers will include basic sciences such as anatomy, biochemistry, cell biology, embryology, endocrinology, genetics, immunology, medical sociology, microbiology, pathology, pharmacology, physiology and elemental statistics. The examination will deal with those aspects of these subjects which should form part of the general education of any specialist and particularly those aspects which are applicable to obstetrics and gynaecology.

Dissertations
Candidates are advised to discuss the preparation of their dissertations with the Head of the Department at an early stage in their training period. Both obstetric and gynaecological dissertations are designed to give candidates the opportunity to study in detail conditions of their own choice and to express their own views based on personal experience and on a study of the literature. The dissertations should show clear evidence of ability to make use of a reference library and of the English language. Socio-medical topics may be particularly suitable for one or other of the dissertations. The dissertations should be accurately typed in good English and simply bound. In general the size of the dissertations should be in the order of 3000-4000 words each and credit will be given for original contributions.

Part 2
Two written papers:
(a) Obstetrics, and such aspects of endocrinology, medicine, neonatal paediatrics and surgery as are relevant to the practice of obstetrics.
(b) Gynaecology, and such aspects of endocrinology, medicine, medical sociology and surgery as are relevant to the practice of gynaecology.

A clinical examination which will include presentation and discussion of obstetric and gynaecological cases. An oral examination in obstetrics and gynaecology. In this candidates should be prepared to discuss their dissertations, to be examined on applied anatomy, physiology and pathology, and to be shown radiographs, instruments, specimens and histological slides for comment.

DipGeriatMed
69.500 Clinical and biological aspects of ageing
This will include theories of normal ageing, age associated changes in structure and function of the major body systems, the scope of prevention of disease and disability in later life, specific features of the presentation of clinical problems in the elderly, common complications of illness of old age, diagnosis, assessment and management of specific clinical problems important in old age terminal care and control of pain and other symptoms, and aspects of pharmacology and therapeutics in the elderly.

69.501 Demographic, social and administrative aspects of health services to the elderly
This will include current and future demographic trends, social processes in ageing, retirement, patterns of care for elderly
people, philosophy and practice of long term care, ethical; and legal aspects of the care of older people, methods of supporting careers of older people at home, structure, functions and responsibilities of health and social services used by the elderly including availability and eligibility for subsidies, appropriate referral to special geriatric and psychogeriatric services, and principles of audit of quality of primary care.

69.502 Principles of Rehabilitation of the Elderly.
This will include principles of functional assessment of activities of daily living and cognitive and emotional functions, principles of rehabilitation including physiotherapy, speech language therapy and occupational therapy and availability and appropriate use of community services.

DipMentH

†94.407 Clinical Psychiatry
This is focused on the more seriously mentally ill and covers concepts of abnormality, theories of aetiology, classification systems, characteristics of major disorders, and treatment methods.

†25.318 Psychiatry and the Law
This paper will provide a general introduction to the formal relationship between psychiatry and law with a particular emphasis on the law as it relates to special patients.

†94.501 General Forensic Psychiatry
This paper is concerned with all aspects of psychiatry and psychiatric ethics relevant to the law, dangerousness, public attitudes and policy.

†94.503 Developmental and Family Mental Health
This deals with mental health stages, problems and disorders within a developmental context from infancy to old age and within the family, whanau or other support systems.

†94.504 Psychological Aspects of Medical Practice
This paper deals with mental health relevant to medical practice including hospital, family and community medicine.

†94.505 Special Topic in Mental Health
An in depth, individual study of a specific aspect of mental health.

†94.506 Comprehensive Rehabilitation of Mental Disorders
This is a study of integrated biomedical and psychosocial strategies employed to enhance the long-term outcome and quality of life of people with mental disorders and their community caregivers. It includes vulnerability-stress theory, needs assessment, biomedical, living skills training, career-based stress assessment, social community interventions, benefit-cost assessment in clinical settings.

†94.507 Psychological Intervention Strategies in Mental Health
This paper reviews the theory, practice and outcome of research on psychological interventions in mental health. It considers the benefits of cognitive-behavioural, psychodynamic and systems theory, strategies for specific mental disorders, and outcome assessment in clinical practice.

DipObst
This is a general practitioner qualification and serves to distinguish those general practitioners who have been trained to handle the common abnormalities encountered in obstetric practice. A six months' resident appointment to the staff of a teaching obstetric and gynaecological unit is required before the candidates are allowed to sit the examinations, but see also provision 1 (iii) of the preceding Regulations. Details of such appointments are available on application.

The examinations shall include questions on the anatomy, physiology, pathology and management of normal and abnormal pregnancy, labour and puerperium, including the care of the new-born during the first month of life. In addition, the candidates will be required to have a knowledge of the physiology and pathology of medical gynaecology, including abnormal menstruation, amenorrhea and dysmenorrhoea, endocrine therapy, abortions, infertility and contraception, ectopic pregnancies and moles, vaginal discharges, the diagnostic facets of malignancy, and such minor surgical procedures as may be encountered in a predominantly obstetric practice.

The following are approved Hospitals for the purpose of Regulation 1(ii):

The approval of hospitals will be recognised on criteria of:
(i) Specialist and registrar staff in obstetrics, gynaecology and neonatal paediatrics.
(ii) The number of normal and abnormal patients attending the hospital clinics.
(iii) The provision of graduate teaching in antenatal and gynaecological services, wards and delivery rooms, including teaching in neonatal paediatrics and family planning. The post must be a continuous one of six months or more if under Regulation 1 (iii).

DipPaed
The Diploma in Paediatrics is a qualification which serves to recognise medical practitioners who have been trained in Paediatrics and to manage the common paediatric abnormalities. The optional component of this course allows this diploma to be applicable to two groups of medical practitioners: (a) practitioners whose primary responsibility will be focused on Polynesian children; particularly those in remote or medically developing areas and (b) practitioners who are likely to have a dominantly paediatric practice.

The examinations shall include questions on genetic and antenatal factors in development; neonatal paediatrics; assessment of arising from the child's physical, intellectual, emotional, and social needs; epidemiology of childhood disease; cultural factors and child health; general and preventive paediatrics, management of common disorders of childhood, and the practical working of the statutory and voluntary services available in New Zealand for the care of children.

The following are approved Hospitals for the purpose of Regulation 1(d):

The approval of hospitals will be recognised on criteria of:
(i) Specialist and registrar staff in general and neonatal paediatrics.
(ii) The number of normal and abnormal patients attending the hospital clinics.
(iii) The provision of graduate teaching in clinics and paediatric wards.

†DipSportMed

69.506
This will include a review of surface anatomy and exercise physiology, aspects of haematology, pharmacology, rheumatology, cardiology, neurology and podiatry in sports, acute and chronic injuries, diving medicine and the physiology of exercise in pregnancy. The principles of physiotherapy, acupuncture and management of chronic pain are also included.
FURTHER INFORMATION

HIGHER ACADEMIC TRAINING IN OBSTETRICS AND GYNAECOLOGY

(i) Membership of the Royal College of Obstetricians and Gynaecologists, the New Zealand College of Obstetricians and Gynaecologists, and the Royal Australian College of Obstetricians and Gynaecologists.

Resident posts providing specialist training suitable for the Membership examination are available at the National Women’s and associated hospitals. A formal teaching programme for both Part I and Part II examinations is provided for residents. Elective time posts in neonatal paediatrics, anaesthesia and pathology can also be arranged.

(ii) MSc or PhD Degrees

Research appointments are available at the National Women’s Hospital and afford the opportunity of preparing for the MSc and PhD Degrees of the University of Auckland. Applications will be welcome from scientists and medical graduates who wish to carry out research in biochemistry, endocrinology, or the scientific background of obstetrics, gynaecology, and neonatal paediatrics.

REFRESHER TRAINING FOR FAMILY DOCTORS AND SPECIALISTS

(i) Practitioners with interests in the fields covered at the School may attend for periods of up to four weeks as visiting postgraduates. During the time they are attending the Postgraduate School attachments to the Auckland Area Health Board as Honorary Medical Officers can be made in order to facilitate the performance of practical procedures. Visitors may attend teaching sessions as well as gain practical experience tailored to their needs.

(ii) Short courses usually of a week’s duration are held at regular intervals. In addition to teaching at Diploma level advanced courses are provided.

(iii) Departmental staff are available to participate in courses throughout New Zealand by arrangement with the Head of the Department.

THE POSTGRADUATE MEDICAL COMMITTEE

The Postgraduate Medical Committee, chaired by the Associate Dean of Postgraduate Affairs in Medicine, accepts responsibility for the organisation and supervision of both graduate vocational training and continuing medical education for doctors in the Auckland region. The activities of the Committee are linked with the School of Medicine and with the hospitals under the control of the Auckland Hospital Board. Vocational training courses are run in each major discipline under the general supervision of Speciality Advisory Sub-Committees made up of practising members of the disciplines concerned including members of the academic staff. In the case of Family Medicine the programme is run under the aegis of the Royal New Zealand College of General Practitioners.

The Committee arranges in addition a wide range of courses and meetings throughout the academic year in the field of continuing medical education in all disciplines. Visits by overseas medical speakers in both the School of Medicine and the associated teaching hospitals are also arranged through the Postgraduate Office in the School under the general co-ordination of the Postgraduate Committee. A monthly bulletin of postgraduate and continuing educational activities, This Month, is also circulated to all doctors in the Auckland region.

Within the Postgraduate Office in the School of Medicine there is a separate section dealing with continuing education in family medicine under the supervision of the Goodfellow Director of Continuing Medical Education in General Practice. The Goodfellow Director is ex officio a member of the Committee, and is responsible for the whole range of educational programmes arranged in the field of general practice, and also the administration of a special educational resource service for general practitioners based on the Philson Library of the School of Medicine.
# Faculty of Music

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GENERAL INFORMATION

FACULTY OF MUSIC

Undergraduate courses offered within the School of Music comprise a 3-year general degree with opportunities for emphases in Composition, Musicology or Performance or a 4-year degree with a 'major' in Composition, Musicology or Performance and a diploma in Performance.

Bachelor of Music (BMus)
This is a 3-year course which includes a broad study of music.

Bachelor of Music (Honours) BMus (Hons)
Suitably qualified students may on application towards the end of the year preceding, continue an advanced course of study for one year leading to the Degree of Bachelor of Music (Honours) - BMus(Hons). Students are expected to specialise in one of the options listed.

Diploma in Music (DipMus)
The course for the Diploma extends over 3 years and entry may be made on the basis of special merit in Performance. DipMus students may, in approved cases, enrol for the one year course for DipMus(Hons).

In addition to these courses within the Faculty of Music, Music is offered as a subject for the BA. See the appropriate section in the BA regulations.

Postgraduate Degrees
Graduates holding the Degree of BMus (Hons) may in approved cases be accepted for a further year of study leading to the Degree of MMus.

Following the Degree of BMus, students may be accepted for a two year Degree of Master of Music (MMus) which can be taken in the area of Composition, or Performance, or Musicology. Students who are BA graduates may elect to follow a course in Musicology for a Master of Arts (MA) or a course in either Composition or Performance for the Degree of Master of Philosophy (MPhil). Details of other postgraduate degrees (DMus and PhD) appear in the appropriate sections of this Calendar.

DEGREE COURSE REGULATIONS

THE DEGREE OF BACHELOR OF MUSIC BMus

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Degree of Bachelor of Music shall before enrolling for this Degree satisfy the Head of the Department of Music that a suitable standard in music has been attained.
2. A candidate shall:
   (a) follow a course of study of not less than three years, and
   (b) follow a course of study continuously except where and in so far as the Head of Department permits otherwise.

Course Entrance
3. (a) A candidate for entrance to the course of study for the Degree shall give notice in writing on the prescribed forms by the date specified in this Calendar.
   (b) For Performance, which requires an audition for entry, the audition application form must be received by the Registrar not later than 30 June of the year immediately preceding that in which the candidate wishes to enrol.

Course Requirements
4. (a) The course of study for this Degree shall consist of twenty-one papers selected from those listed in the Schedule to these Regulations.
   (b) Every course of study shall include
      (ii) At least three Stage III papers selected from the Schedule to these Regulations including one of the following alternatives: either 28.310 (Composition) and 28.301 (Analysis) or 28.320 (Performance) or 28.301 (Analysis), one of 28.303-308, and one other Stage III Music paper.

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(c) Up to four non-music papers from the Schedule for the Degree of Bachelor of Arts may be included.

Note: (i) Papers credited to this Degree under Regulation 4(c) shall not enable the candidate to exceed the maximum of seven papers which may be cross-credited under Enrolment and Course Regulations (General) Regulation 14.
(ii) A candidate intending to proceed to BMus(Hons) and/or MMus should note the prerequisites contained in the Schedule to the BMus(Hons) Regulations.

5. For Performance 28.120, 28.220 and 28.320, a candidate shall:
(a) carry out all performance work and
(b) attend all classes in individual training and such classes in ensemble training, including orchestral rehearsals, as may be required, and
(c) pass a Performance examination, with a grade of C or better in the case of 28.120 and 28.220, in any one of the following subjects:
   Flute  French Horn  Violin  Piano  Recorder
   Oboe  Trumpet  Viola  Harpsichord  Percussion
   Clarinet  Trombone  Cello  Organ  Harp
   Bassoon  Tuba  Double Bass  Singing  Guitar
   Saxophone  Jazz Studies  Baroque Flute

Note: Not all of these subjects may be available in any one calendar year. The School of Music Handbook gives further details.
(d) A candidate presenting Singing for this Degree shall attend such language courses and do such language work as the Head of Department may require.
(e) Organ students will also receive tuition in harpsichord. A student studying the harpsichord may elect to include studies in the classical organ, its technique and repertoire, as part of the course.
(f) It shall be a condition of a candidate's being permitted to pursue or continue this course of study that he or she shall not undertake any musical work, including musical competitions and examinations outside the course without the consent of the Head of the Department of Music.

6. Except with the permission of the Senate no candidate shall take in any one year more than nine papers for this Degree.
7. A candidate shall participate in approved choral or instrumental work within the University during enrolment for this Degree, to the satisfaction of the Head of the Department of Music.

Special Provision
8. The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

Credit for Other Qualifications
9. (a) A candidate who has gained any recognised qualification in Music from a non-University Tertiary Institution in New Zealand may with the approval of the Senate be credited with up to three specified or unspecified BMus papers for a two-year qualification or up to six specified or unspecified BMus papers for a three-year qualification.
(b) A candidate who has successfully completed a course at a Teachers College under the control of the Auckland Teachers College Council, or (from 1986) at the Auckland College of Education, may be granted credits towards this Degree as provided by Regulation 11 of the Enrolment and Course Regulations (General).

Application of Regulations and Transitional Provisions
10. (a) Except as otherwise provided in this Regulation, the course of study of every candidate shall be governed by these Regulations.
(b) A candidate who gained credit in any unit or units or was entitled to exemptions under any of the former Regulations for this Degree shall be credited with such equivalent paper or papers as the Senate may determine.
(c) For candidates who enrolled for this Degree before 1976 the subject prerequisites, corequisites, and restrictions, where not covered by these Regulations, shall be determined by the Head of Department of Music.

Commencement
11. These Regulations shall come into force on 1 January 1993.

Schedule
1. This Schedule sets out paper numbers, subjects, prerequisites, corequisites, restrictions, and other conditions applying to courses of study for the Degree of Bachelor of Music.
2. This Schedule shall be read with the Regulations for the Degree and with the prescriptions set out elsewhere in the Calendar.
3. The heading 'prerequisites' in relation to a paper refers to other papers which must be passed before the candidate may take that paper.
4. The heading 'corequisites' in relation to a paper refers to other papers which must be taken concurrently with that paper or have been passed in a previous year.
5. The heading 'restrictions' in relation to a paper refers to a paper which cannot be taken in addition to that paper.
6. Except as provided elsewhere in these Regulations or in this Schedule, a candidate may not enrol for any paper until all prerequisite and corequisite requirements and other requirements listed in the Schedule are satisfied.

<table>
<thead>
<tr>
<th>Corequisites</th>
<th>Restrictions</th>
<th>Qualifications</th>
</tr>
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<tbody>
<tr>
<td>28.101, 28.103</td>
<td>28.122</td>
<td>A candidate must pass papers 28.100, 28.101 and 28.103 with an overall grade of at least C+ before proceeding to Music II</td>
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<tr>
<td>28.100, 28.101, 28.103</td>
<td>03.103 and 28.114</td>
<td>and 03.107</td>
</tr>
<tr>
<td>Paper Number and Campus</td>
<td>Title of Paper</td>
<td>Availability</td>
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<tr>
<td>-------------------------</td>
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</tr>
<tr>
<td>28.113</td>
<td>Acoustics for Musicians</td>
<td>(three paper value)</td>
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<td>28.120</td>
<td>Performance</td>
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<td>28.150</td>
<td>Languages for Singers 1</td>
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<tr>
<td>28.131</td>
<td>Second Instrument Study</td>
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**Music II**

<table>
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<tr>
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<th>Title of Paper</th>
<th>Availability</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>28.201</td>
<td>Musicianship, Materials and Analysis</td>
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<td>28.100, 28.101</td>
</tr>
<tr>
<td>28.202</td>
<td>Harmony and Counterpoint</td>
<td></td>
<td>As for 28.201</td>
</tr>
<tr>
<td>28.203</td>
<td>The Middle Ages and Early Renaissance</td>
<td>♩</td>
<td>As for 28.201</td>
</tr>
<tr>
<td>28.204</td>
<td>The Late Renaissance and Baroque Era</td>
<td>♩</td>
<td>As for 28.201</td>
</tr>
<tr>
<td>28.207</td>
<td>The Classic-Romantic Era</td>
<td>♩</td>
<td>As for 28.201</td>
</tr>
<tr>
<td>28.208</td>
<td>The Twentieth Century</td>
<td>♩</td>
<td>As for 28.201</td>
</tr>
<tr>
<td>28.210</td>
<td>Composition</td>
<td>(two paper value)</td>
<td>28.110; as for 28.201</td>
</tr>
<tr>
<td>28.213</td>
<td>Practising Ethnomusicology</td>
<td></td>
<td>28.107, 03.107, 03.103, 28.114 for students having taken 03.103, 28.114 prior to 1995</td>
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<table>
<thead>
<tr>
<th>Paper Number and Campus</th>
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<th>Prerequisites</th>
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<tr>
<td>28.214</td>
<td>The Music of Africa</td>
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<td>As for 28.201 and 28.107 or 03.107 or 28.114 or 03.103</td>
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<tr>
<td>28.215</td>
<td>Orchestration</td>
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<td>As for 28.201</td>
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<tr>
<td>28.216</td>
<td>Electronic Music</td>
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<td>As for 28.201</td>
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<tr>
<td>28.217</td>
<td>Music Education</td>
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<td>As for 28.201</td>
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<tr>
<td>28.218</td>
<td>Conducting</td>
<td></td>
<td>As for 28.201</td>
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<tr>
<td>28.220</td>
<td>Performance</td>
<td>(three paper value)</td>
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<tr>
<td>28.221</td>
<td>Repertory and Pedagogy</td>
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<td>As for 28.201</td>
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<tr>
<td>28.223</td>
<td>Musicology</td>
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<td>As for 28.201</td>
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<tr>
<td>28.230</td>
<td>Chamber Music</td>
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<td>28.231</td>
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<td>28.250</td>
<td>Languages for Singers 2</td>
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**Music III**

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<td>28.303</td>
<td>The Middle Ages and Early Renaissance</td>
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<td>28.304</td>
<td>The Late Renaissance and Baroque Era</td>
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<tr>
<td>28.307</td>
<td>The Classic-Romantic Era</td>
<td>♩</td>
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<tr>
<td>28.308</td>
<td>The Twentieth Century</td>
<td>♩</td>
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<tr>
<td>28.310</td>
<td>Composition</td>
<td>(three paper value)</td>
<td>28.210</td>
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<tr>
<td>28.314</td>
<td>The Music of Oceania</td>
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<td>28.213, 03.221 and 28.214, 03.209</td>
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<tr>
<td>28.316</td>
<td>Studies in Contemporary Electronic Music</td>
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<td>28.216</td>
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<td>Organology</td>
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<td>28.320</td>
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<td>A pass of at least C in 28.220</td>
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<tr>
<td>28.322</td>
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<td>28.323</td>
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<td>28.324</td>
<td>Special Topic</td>
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<td>Corequisites</td>
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<td>28.220</td>
<td>28.309</td>
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<td>See Reg.4 (b) (ii)</td>
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<td>See Reg.4 (b) (ii)</td>
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<td>28.215, 28.301</td>
<td>03.318</td>
<td>See Reg.4 (b) (ii)</td>
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<td>See Reg.4 (b) (ii)</td>
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</tbody>
</table>
THE DEGREE OF BACHELOR OF MUSIC (PERFORMANCE) BMus(Perf)

All Degree courses in Performance are now grouped under the Degrees of BMus or BMus(Hons), accordingly. The Degree of Bachelor of Music (Performance) will be discontinued from the end of the 1995 academic year. Candidates who enrolled in this Degree prior to 1993 may continue their course of study under the Regulations for the Degree as published in the 1992 Calendar.

THE DEGREE OF BACHELOR OF MUSIC (HONOURS) BMus(Hons)

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General) and the Examination Regulations.

General Provisions
1. Except as provided in the Admission Regulations a candidate for the Degree of Bachelor of Music (Honours) shall follow a course of study of four years, the first three of these being as for the Degree of Bachelor of Music.
2. The Degree may be awarded in each of the following options: Composition, Musicology and Performance.
3. Admission to the course of study for the Degree of Bachelor of Music (Honours) shall be at the discretion of the Senate and shall be considered towards the end of the third year after matriculation.
4. No candidate may be awarded the Degree of Bachelor of Music (Honours) if he or she has previously been awarded the Degree of Bachelor of Music of this University.
5. Every candidate for the Degree of Bachelor of Music (Honours) shall be enrolled for a course of study approved by the Head of Department of Music comprising four papers selected from those listed in the Schedule.
6. A candidate for this Degree may
   (a) with the permission of the Head of the Department and the approval of Senate, substitute one paper in another subject at Stage IV.
   (b) include one Stage III paper in Music.

Classes of Honours
7. The Degree of Bachelor of Music (Honours) may be awarded with First Class or Second Class Honours. Second Class Honours shall be awarded in either First Division or Second Division. The class of honours shall be determined primarily on the performance of the candidate in his or her final year but account may be taken of his or her work throughout the course of study.
8. The Senate may determine in respect of any candidate who fails to qualify for the Degree that he or she be awarded the Degree of Bachelor of Music or be credited with papers towards that Degree or be credited with the Degree of Bachelor of Music together with appropriate credits towards the Degree of Master of Music.
9. The Senate may, in such exceptional cases as it thinks fit, approve a course of study which does not conform to these Regulations.

Commencement
10. These Regulations shall come into force on 1 January 1993.

SCHEDULE
1. Composition
   Prerequisites: 28.301, 28.310
   Requirements: 28.410 and at least one of 28.409, 28.415 and 28.416
   The other papers shall be selected from 28.400, 28.401, 28.402, 28.604 and the list above.
2. Musicology
   Prerequisites: 28.301; at least three of 28.203-208/28.303-308 and 28.323 and 28.114 or 28.107 and at least two non-music papers from the Schedule for the Degree of Bachelor of Arts. Candidates will normally be required to satisfy the Head of Department of their ability to read an approved language other than English.
   The other papers shall be selected from 28.400, 28.401, 28.402, 28.419 and the list above.
3. Performance
   Prerequisite: 28.320
   Requirements: 28.424 (two paper value) and at least one of 28.419 and 28.430.
   The other paper shall be selected from 28.400, 28.401, 28.402, 28.406, 28.409, 28.604 and the list above.

THE DEGREE OF BACHELOR OF MUSIC (PERFORMANCE) (HONOURS) BMus(Perf)(Hons)

The Degree of Bachelor of Music (Performance) (Honours) will be discontinued from the end of the 1996 academic year. Candidates who enrolled in the Degree of Bachelor of Music (Performance) prior to 1993 may enrol for the Degree of Bachelor of Music (Performance) (Honours) under the Regulations for this Degree as published in the 1992 Calendar.
### Corequisites

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<th>Course Code</th>
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<tbody>
<tr>
<td>28.320</td>
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</tbody>
</table>

### Restrictions

- Permission of Head of Department required
- See Reg.4 (b) (ii)
- Permission of Head of Department required
- See Reg.4 (b) (ii)

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### THE DEGREE OF BACHELOR OF MUSIC EDUCATION BMusEd

The Bachelor of Music Education is an Inter-Faculty offering. For detailed Regulations refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

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### THE DEGREE OF MASTER OF MUSIC MMus

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the enrolment and Course Regulations (General), and the Examination Regulations.

#### General Provisions

1. Subject to the Admission Regulations, a candidate for the Degree of Master of Music shall before enrolling for this Degree:
   - (a) have been admitted to the Degree of Bachelor of Music (Honours). Candidates who have been admitted to the Degree of Bachelor of Music are referred to Regulation 6.
   - (b) have been accepted by the Board of teaching members of the School of Music for study for the Degree of Master of Music, at an interview held in November prior to first enrolment for the Degree of Master of Music.

2. A candidate for the degree shall follow a full time course of study for at least one year and shall be examined in one of the following options:
   - (a) Composition 28.610 (three paper value)
   - (b) Musicology 28.601 (three paper value)
   - (c) Performance 28.620 (three paper value)

#### Composition

3. (a) A portfolio of compositions shall be prepared under the supervision of a University teacher.
   - (b) Two copies of the portfolio together with a certificate from the supervisor stating that the work was carried out by the candidate under supervision shall be submitted to the Registrar by 1 November in the year in which it is to be presented, or at a subsequent date if so arranged with the Head of the Department.

#### Musicology

4. (a) A candidate shall present a thesis which shall embody the results obtained by the candidate in an investigation relating to some branch of Music.
   - (b) Two bound copies of the thesis shall be submitted to the Registrar by 1 November of the year in which it is to be presented or at a subsequent date if so arranged with the Head of the Department.

   Note: An abstract is to be submitted with each copy of the thesis, see Examination Regulation 16.

#### Performance

5. (a) A candidate shall present a concert recital of one to one and a half hour’s duration, the programme to be approved by the Head of the Department. The candidate shall submit the proposed programme to the Head of the Department for approval not later than the end of the second term.
   - (b) The recital shall be restricted to ONE of the following:
     - (i) an approved orchestral instrument
     - (ii) the pianoforte
     - (iii) the organ and/or harpsichord
     - (iv) any other instrument approved by the Head of the Department
     - (v) singing.

6. In exceptional circumstances a candidate who has been admitted to the degree of Bachelor of Music may follow a full time course of study for a minimum of two years. Such candidates will be expected to show a high level of achievement in their major subject area in Stage III and they will be subject to selection as stated in Regulation (1)b.

7. A candidate pursuing this degree under Regulation 6 will be required to take four papers as listed in the schedule for the Degree of Bachelor of Music with Honours in the first year of full time study and the composition portfolio, thesis or recital in the second year of full time study as for Regulations 3 to 5.

#### Class of Pass

8. The Degree may be awarded with Distinction if a standard equivalent to first class honours has been achieved OR

9. A candidate undertaking this degree under Regulation 6 will be eligible for the award of Honours.
   - (a) There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions, First Division and Second Division.
   - (b) Honours shall not be awarded if the papers in the first year in which the candidate sits an examination for the Degree are unsatisfactory or if the Composition or Performance or Thesis at its first presentation is unsatisfactory; provided, however, that a candidate whose performance at an examination has been seriously impaired by illness or injury or exceptional circumstances beyond his or her control (certified under the aegrotat or compassionate pass provisions of the Examination Regulations) may elect, instead of applying for an aegrotat or compassionate pass, to be re-examined so that he or she shall be eligible for the award...
of Honours subject to the provisions of sub-clause (c) of this Regulation.

(c) A candidate shall be eligible for the award of Honours only if he or she completes the requirements for Honours within three years of the first enrolment for this Degree, provided that this period may in exceptional cases be extended by the Senate.

Special Provision

10. The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

Commencement

11. These Regulations shall come into force on 1 January 1993.

THE DEGREE OF DOCTOR OF MUSIC DMus

General Provisions

1. Except as provided in the Admission Regulations, a candidate for the Degree of Doctor of Music shall hold the Degree of Master of Music of the University of Auckland or Bachelor of Music of the University of New Zealand.

2. The Degree of Doctor of Music shall be awarded for distinction in musical composition.

3. A candidate for the Degree of Doctor of Music shall apply to the Head of the Department for registration as such, showing that he or she has:

(a) the requisite preliminary qualification set out in Regulation 1; and

(b) adequate training and ability to pursue a course of advanced study in musical composition.

4. (a) The Senate having received a recommendation from the Head of Department shall determine whether the candidate may be registered and the date and conditions of registration.

(b) A recommendation shall include:

(i) the proposed date of registration

(ii) the name of a supervisor or supervisors from members of the academic staff

(iii) satisfactory evidence of the candidate's training and ability to pursue the proposed course of study.

5. Having been registered as a candidate for the Degree, the candidate shall pursue a full-time course of advanced study in Composition at the University to the satisfaction of the Head of Department of Music and the Supervisor or Supervisors, for a period of at least two calendar years from the date of registration.

6. Having completed the initial two years of full-time study, a candidate may apply to the Senate for permission to continue as a part-time candidate.

7. The Supervisor shall submit to the Senate, through the Head of Department, a brief report on the progress of the candidate at the end of each year. A candidate's registration may be terminated by the Senate if an unfavourable report is received.

8. Having complied with the conditions of the foregoing Regulations, a candidate shall, within five years from the date of registration (or such further time as the Senate may permit), apply to the Registrar to be examined for the Degree.

9. (a) A candidate shall submit for examination original and substantial work, consisting of not more than three pieces, each of which may be within any of the following classes:

(i) orchestral work

(ii) opera

(iii) work using vocal keyboard or ensemble resources

(iv) presentation of Music Theatre

(v) electronic music.

(b) Electronic resources may be included in work within classes (i), (ii), (iii) or (iv) in paragraph (a) of this Regulation.

10. No work shall be considered for the Degree if the work, or a major part of it, has previously formed the basis of an award of any degree or diploma in this or any other University.

11. The application to be examined shall be in writing and (accompanied by the fees prescribed in the Fees Regulations) shall be lodged with the Registrar together with:

(a) three copies of the work or works to be examined

(b) a statutory declaration which shall:

(i) state the extent to which the work is the candidate’s own, and (in the case of a conjoint work) identify as clearly as possible which parts are the candidate’s own; and

(ii) state what portion (if any) of the work submitted has been previously presented for a degree or diploma of the University of Auckland or any other University; and

(iii) declare that the work in substantially its present form has not been previously accepted for the award of a degree or diploma in this or any other University and is not being concurrently submitted for a degree or diploma in any other University.

12. (a) After having accepted the candidate’s application to be examined, the Senate shall, upon the recommendation of the Head of Department, appoint as Examiners:

(i) the Supervisor or Supervisors

(ii) one person who shall be a member of staff of another University within New Zealand, and

(iii) one person who shall be resident outside New Zealand.

(b) The Senate may, on the recommendation of the Head of Department, appoint a further Examiner in exceptional circumstances two further Examiners.

13. (a) A copy of the work shall be submitted to each examiner who shall:

(i) report independently to the Senate on the quality of the work;

(ii) recommend to the Senate whether or not the Degree should be awarded.

(b) Where the recommendation is that the Degree should not be awarded, the Examiner may recommend that the candidate be permitted to resubmit the work at a later date. A resubmission shall be accompanied by a further full examination fee.

14. A candidate who has held the qualifying degree for not less than five years may, in exceptional circumstances, be permitted by the Senate to proceed direct (without complying with Regulations 3 to 8) to examination as prescribed in Regulations 9, 10 and 11.

15. (a) In the case of a candidate who qualifies for examination under the conditions of Regulation 14, the Senate shall, as soon as possible after the application has been lodged, appoint a Moderator who shall:
Faculty of Music

(i) consider the work and submit through the Registrar a preliminary report, which shall indicate whether, in his or her opinion, the examination should proceed.

(ii) state the names of not fewer than two persons recommended as suitable Examiners.

(b) Upon receipt of the report of the Moderator the Senate shall decide whether to proceed with the examination. If the Senate determines that the examination shall not proceed or that the degree shall not be awarded the candidate may not lodge a further application to be examined for a higher degree until a period of five years or more has elapsed from the date of Senate's decision. If the examination is not to proceed the candidate shall be entitled to a refund of one half of the fees paid under Regulation 11.

16. In the case of a candidate who qualifies for examination under the conditions of Regulation 14 above, and for whom the examination is to proceed:

(a) without being restricted in choice to the persons recommended under Regulation 15 (a) (ii), the Senate shall appoint two independent External Examiners of whom at least one shall be resident outside of New Zealand, and may at its discretion appoint an additional Examiner who may be a member of the teaching staff of the University of Auckland.

(b) The contents of the Moderator's report shall not be communicated to the Examiners.

(c) the examination shall proceed as prescribed under Regulations 17, 18 and 19.

17. The duties of each Examiner shall be:

(a) to report independently on the quality of the work and its value as a significant contribution to learning; and

(b) to recommend whether or not the degree should be awarded, provided that where the recommendation is that the Degree should not be awarded, the examiner may recommend that the candidate be permitted to re-submit the work with further published work at a later date. A re-submission shall be accompanied by a further full examination fee.

18. The reports and other communications shall be sent to the Registrar who shall refer them to the Moderator.

19. The Moderator shall consider the reports of the Examiners and prepare a final report based upon them, which, together with the reports of the Examiners, shall be placed before the Senate and the Senate shall determine whether or not the Degree shall be awarded.

20. Where only two Examiners have been appointed and their recommendations are conflicting, the Moderator or (in the case of examination under Regulations 12 and 13) the Head of Department shall submit to the Senate the name of a further person qualified to act as an Examiner; and the Senate shall then appoint the person so named or some other suitable person to be an additional Examiner to furnish an independent report in accordance with the provisions of Regulation 13, or in the case of a candidate who qualifies for examination under the conditions of Regulation 14 above, Regulation 17, which shall be considered by the Senate together with the other reports.

Revocation

21. (i) The course of every candidate shall be governed by these Regulations.

(ii) The Regulations governing the Degree of Doctor of Music last published in the University of Auckland Calendar for 1985 are revoked.

(iii) These Regulations shall come into force on 1 January 1986.

DEGREE COURSE PRESCRIPTIONS

BMus

Restrictions on Entry to Courses

1. Before enrolling for this Degree, a candidate who has little evidence of musical background is required to satisfy the Head of Department of Music that an appropriate standard has been reached. For this purpose short interviews will be held in late January of the year for which preparatory application has been made.

2. A maximum of 60 first-year places will be available in the School of Music. Of this number a maximum of 35 places will be offered to Performance students, the remainder being available for BMus and BA (intending to advance in Music). Restriction will be based on previous Music Examinations and/or interview.

3. For the following papers, restrictions will be based on results in Stage I Music papers, and evidence of basic skills in the subject:

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<thead>
<tr>
<th>Number</th>
<th>Title of Paper</th>
<th>Limit</th>
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<td>Composition</td>
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<td>28.213</td>
<td>Practising</td>
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<td>28.214</td>
<td>Ethnomusicology</td>
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<td>28.216</td>
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<td>28.220</td>
<td>Conducting</td>
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</table>

4. For the following papers, restriction will be based on results in Stage II Music papers, and evidence of basic skills in the subject:

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<tr>
<td>28.310</td>
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<td>28.316</td>
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<td>28.318</td>
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28.100 Harmony and Counterpoint

Renaissance polyphony in 2 and 3 parts, and 17th-Century hymnody and simple 4-part chorales. As this is all vocal music, sight-singing skills are also taught.

28.101 Musicianship and Materials of Music

The development of musical response by means of aural perception and keyboard skills in conjunction with a study of the elements of music.

28.103 Music in Society

A survey of various aspects of Western music, setting them in the context of social and cultural change. General themes are illustrated by specific case studies, and by reference to non-Western music cultures.

28.106 History of Jazz

A study of the development of Jazz from 1900. In addition to the general and regional study of the growth of the music, there will also be some concentration on particular styles, performers and performances.

28.107 Musics of the World

A broad survey of the world's music cultures covering North and South America; Africa; Europe; South, East, and South-East Asia; and the Pacific. Special attention will be given to the musics of the Pacific Islands, New Zealand, and Australia.

28.110 Composition

Creativity and craftsmanship in free composition are studied with some analysis of significant 20th-Century works and exercises in important 20th-Century techniques.

28.113 Acoustics for Musicians

The fundamental principles of oscillations and wave propagation; stationary waves; resonance; loudness; pitch; tone quality; intervals and scales; the principles of operation of stringed, woodwind, brass and other instruments; and the acoustics of rooms.

28.131 Second Instrument Study

A paper for students who wish to maintain a high level of study in voice or instrumental performance supplementary to their
existing Performance Course. The work will include regular performance lessons and ensemble playing.

28.150 Languages for Singers 1
A paper in languages, grounded on the needs of singers. The language studied will normally be Italian. In addition to the weekly meetings of the class there will be prescribed language laboratory work, and some intensive periods of language activity.

28.201 Musicianship, Materials and Analysis
The study and analysis of melodic, harmonic, rhythmic, structural and other compositional elements, through the examination of a wide range of music, from plainsong and early polyphony to the present. The further development of keyboard skills.

28.202 Harmony and Counterpoint
Exercises and analysis of harmonic and contrapuntal techniques based on 18th & early 19th Century practices.

History of Musical Style
A survey of music in the periods as shown. Work includes the examination of specific aspects and examples, set within the historical and cultural context.

28.203 The Middle Ages and Early Renaissance
Exercises and analysis of harmonic and contrapuntal techniques based on 18th & early 19th Century practices.

28.204 The Late Renaissance and Baroque Era
Exercises and analysis of harmonic and contrapuntal techniques based on 18th & early 19th Century practices.

28.205 The Classic-Romantic Era
Exercises and analysis of harmonic and contrapuntal techniques based on 18th & early 19th Century practices.

28.206 The Twentieth Century
Exercises and analysis of harmonic and contrapuntal techniques based on 18th & early 19th Century practices.

28.207 The Classic-Romantic Era
This paper will be taught in the second half-year.

28.208 The Twentieth Century

28.210 Composition
(Counts as two papers)
The composition of works for a wide variety of media in conjunction with a study of short pieces. Expansion of technique and realisation of performances

28.213 Practising Ethnomusicology
The theory and practice of the discipline of Ethnomusicology; including musical transcriptions and analysis; organology; non-Western notational systems; theoretical models for musical; cultural; and performance analysis; politics and public sector ethnomusicology' methods, techniques, and ethics in field research; and bibliographic skills.

28.214 The Music of Africa
The study of traditional and popular African musics south of the Sahara.

28.215 Orchestration
Technical aspects of writing for orchestral instruments and problems of scoring, where possible using practical examples and performers within the group Study of standard repertoire for classical and small orchestras.

28.216 Electronic Music
A study of the major works in this medium composed during the last forty years. Introduction to studio techniques; tape music and different methods of sound synthesis.

28.217 Music Education
A study of many aspects of music education, including the international and New Zealand perspectives, the psychology of music education and the examination of teaching strategies and techniques.

28.218 Conducting
Practical work in elementary conducting (choral and orchestral) including rehearsal techniques, management, score preparation, and observation of rehearsals.

28.221 Repertory and Pedagogy
Introduction to the evolution of particular instruments, their repertoire and performance practice and a survey of pedagogical practices relating to the interface of teaching with performance. There will also be a special study of certain schools and styles.

28.223 Musicoogy
The aims and scope of musicological research. Topics include bibliography research tools, survey of standard reference works, specific areas of debate in the subject, and historical projects in selected areas.

28.230 Chamber Music
A practical paper in the playing of Chamber Music or other Ensemble work, combined with a special study of certain aspects of the history of chamber music or the development of ensemble techniques. This course is additional to the normal ensemble requirements expected of students in the Performance course, and it presumes a high standard of entry. It will not always be possible to accommodate in any one year every group which applies.

28.231 Second Instrument Study
Continuation of the work undertaken in the paper 28.131.

28.250 Languages for Singers 2
More advanced work in languages as required by singers. Some study of a language other than Italian, French or German may be included.

28.301 Analysis
The study and analysis at advanced level of melodic, harmonic, rhythmic, structural and other compositional elements through the examination of a wide range of music from plainsong and early polyphony to the present

28.302 Harmony and Counterpoint
Exercises and analysis of harmonic and contrapuntal techniques based on nineteenth and early Twentieth Century practices.

As for papers 28.203-208 respectively, but taken and examined at Stage III level.

28.310 Composition
(Counts as three papers)
Continuing study of composition with emphasis on structure and composing for varied resources. Study of major 20th-Century composers and their methods.

28.314 The Music of Oceania
Polyneesian, Melanesian and Micronesian, Maori, and Aboriginal Australian music styles.

28.316 Studies in Contemporary Electronic Music
Advanced studio techniques; methods of analog synthesis, FM synthesis, sampling, use of microcomputers for data storage, MIDI and synchronisation. Aesthetics of electronic music, study of selected examples from past and contemporary sources, especially NZ studies.

28.319 Organology
The study of instruments, their taxonomy, evolution and context.

28.322 Special Topic
To be announced

28.323 Musicology
Continuation of work begun in 28.223. Work with primary sources, and related bibliographical and reference tools, editing, individual research projects.

28.324 Special Topic
To be announced.

28.330 Chamber Music
Advanced work in the field of chamber music and ensemble playing.

28.331 Second Instrument Study
Continuation of the work undertaken in the papers 28.131 and 28.231.

BMus(Hons) and MMus
Restriction on Entry to Course
1. Interview by Board of teaching members of Music Faculty; and 2. Performance where applicable.

28.400 Special Topic
Candidates will have opportunity to deal with aspects of music not covered by other papers.
28.401 Special Topic
Candidates will have opportunity to deal with aspects of music not covered by other papers.

28.402 Approaches to Music Aesthetics
A general outline of music aesthetics, including attitudes towards music in some non-Western societies, and a survey of major writings on music aesthetics from Classical times to the Twentieth Century.

28.406 Studies in Music Notation
Detailed study of mensural notation of the Fourteenth to Sixteenth Centuries, lute and keyboard tablatures. Basic problems of notation, transcription and editing.

28.409 Advanced Analysis
The extension of analytical techniques to more complex works, and the study of analytical theories with particular attention to those of Schenker.

28.410 Composition
Composing for a wide variety of media, voices, instruments, electronic resources.

28.414 Ethnomusicology
Field method, transcription and analysis; study of selected scholars.
Note: 28.314 Ethnomusicology is a prerequisite for this paper.

28.415 Advanced Orchestration
Orchestration and instrumentation in the 20th-century, including contemporary instrumental and vocal techniques.
Note: 28.215 Orchestration is a prerequisite for this paper.

28.416 Electronic Music
Personal composition using electro-acoustic resources with or without conventional instruments and voices. Detailed study of recent developments in electro-acoustic music.
Note: 28.216 Electronic Music is a prerequisite for this paper.

28.419 Studies in Performance Practice
Selected topics for discussion and investigation from the field of Performance Practice. The study of source materials; individual projects; performance of music from the area(s) studied.

28.423 Seminar in Musicology
Musicology method; bibliographical studies; selected problems for discussion and investigation.
Note: 28.323 Musicology is a prerequisite for this paper.

28.430 Chamber Music
More advanced work in the field of chamber music and ensemble playing, with particular attention to the literature of the Sonata.

28.601 Thesis
(See also under Degree Regulations, MMus)
(Three paper value)
An investigation into some branch or area of music, under the guidance of a supervisor and embodying some elements of research.

28.604 Dissertation
(One paper value)
Investigation of an approved topic.

28.610 Composition
(See also under Degree Regulations, MMus)
(Three paper value)
The preparation and presentation of one or more original compositions, under the guidance of a supervisor.

28.620 Recital
(See also under Degree Regulations, MMus)
(Three paper value)
The preparation for and presentation of a public performance of a well balanced recital programme.
Note: The availability of these papers will depend on numbers of students and their choice.

DIPLOMA COURSE REGULATIONS

DIPLOMA IN MUSIC DipMus

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Diploma in Music shall:
   (a) before enrolling for the Diploma satisfy the Head of the Department of Music that a suitable standard in music including performance has been attained.
   (b) follow a course of full-time study of not less than three years, and
   (c) follow a course of study continuously, except where and in so far as the Head of the Department permits otherwise.

Course Entrance
3. A candidate for entrance to the course of study for this Diploma shall give notice in writing on the prescribed form to the Registrar not later than 30 June immediately preceding the year in which the candidate wishes to enrol.

Special Admission
4. A candidate, who has not been granted the university entrance qualification but has been selected for a place in the course, shall be eligible to apply for Admission under the Special Admission Regulations if he or she has passed the School Certificate Examination, and has attained the age of sixteen years by 31 December in the year preceding that in which he or she intends to enrol.

Course Requirements
5. The course of study for the Diploma shall consist of not fewer than eighteen papers selected from those listed in the Schedule to these Regulations. Papers are listed in three stages - I, II and III.

6. Except with the permission of the Senate no candidate shall take in any one year more than eight papers for this Diploma.

7. A candidate with previous knowledge in Aural Training or Harmony may be required by the Head of the Department of Music to begin the course by taking subjects in Group B of the Schedule. If the candidate passes 28.100 Harmony and Counterpoint and 28.101 Musicianship and Materials of Music, he or she will be credited with a pass in each paper accordingly, and shall continue the course as outlined in Group B of the Schedule. If the candidate fails either of papers 28.100 and 28.101 (but not both) and is certified by the examiner to have attained the standard of a pass in 28.105, the candidate shall have a credit as for 28.105 and shall continue the course as outlined in Group A of the Schedule.

8. For Performance 28.120, 28.220, 28.325 a candidate shall:
   (a) carry out Performance work and
   (b) attend all classes in individual training and such classes in ensemble training, including orchestral rehearsals, as may be required, and
(c) pass a Performance examination, with a grade of C or better in the case of 28.120 and 28.220, in any one of the following subjects:

- Flute
- Oboe
- Clarinet
- Bassoon
- Saxophone
- Baroque Flute
- French Horn
- Trumpet
- Trombone
- Tuba
- Violin
- Viola
- Cello
- Double Bass
- Piano
- Harpsichord
- Organ
- Singing
- Guitar
- Jazz Studies

Note: Not all of these subjects may be available in any one calendar year. The School of Music Handbook gives further details.

(d) if presenting Singing for this Diploma attend such language courses and do such language work as the Head of the Department of Music may require.

(e) Organ students will also receive tuition in harpsichord. A student studying harpsichord may elect to include studies in classical organ, its technique and repertoire, as part of the course.

9. It shall be a condition of a candidate’s being permitted to pursue or continue this course of study that he or she:

(a) shall not undertake any musical work, including musical competitions and examinations, outside the course without the consent of the Head of the Department of Music.

(b) shall participate in approved choral or instrumental work within the University during enrolment for this Diploma, to the satisfaction of the Head of the Department of Music; and

(c) shall not enrol for any other course of study without the leave of the Head of the Department of Music.

10. (a) Except as otherwise provided the course of study of every candidate shall be governed by these Regulations.

(b) A candidate who has gained a credit for any subject under any former Regulations under the Diploma in Music shall be credited with such equivalent paper or papers as the Senate may determine.

Special Provision

11. The Senate may in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

Credit for Other Qualifications

12. A candidate who has gained any recognised qualification in Music from a non-University Tertiary Institution in New Zealand may with the approval of the Senate be credited with up to three papers for a two-year qualification and up to six papers for a three-year qualification.

Commencement

13. These Regulations shall come into force on 1 January, 1993.

Schedule

1. Except as provided elsewhere in these Regulations or in this Schedule, a candidate may not enrol in any paper unless the prerequisite and corequisite requirements as listed in the Schedule for the Degree of Bachelor of Music are satisfied.

The papers prescribed for this Diploma are:

**STAGE I**

**Group A**

- 28.103 Music in Society
- 28.105 Basic Musical Techniques
- 28.120 Performance (three paper value)

One paper from BMus schedule

**Group B**

- 28.100 Harmony and Counterpoint
- 28.101 Musicianship and Materials of Music
- 28.103 Music in Society
- 28.120 Performance (three paper value)

**STAGE II**

**Group A**

- 28.100 Harmony and Counterpoint
- 28.101 Musicianship and Materials of Music
- 28.220 Performance (three paper value)

One paper from BMus schedule

**Group B**

- 28.201 Musicianship, Materials and Analysis
- 28.220 Performance (three paper value)

Two papers from BMus schedule

**STAGE III**

**Group A**

- 28.201 Musicianship, Materials and Analysis
- 28.325 Performance (four paper value)

One paper from BMus schedule

**Group B**

- 28.325 Performance (four paper value)

Two papers from BMus schedule

**DIPLOMA IN MUSIC (HONOURS) DipMus(Hons)**

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

**General Provisions**

1. Subject to the Admission Regulations, a candidate for the Diploma in Music with Honours shall:

(a) before enrolling for this Diploma

(i) have been awarded or qualified for the award of the Diploma in Music, and

(ii) have satisfied the Senate that in the work presented for the Diploma in Music he or she has attained a high standard, and

(b) have been accepted by the Board of teaching members of the School of Music at an interview held in the November prior to first enrolment for the Diploma in Music with Honours.

(c) follow a course of full-time study of not less than one year.
Course Requirements

2. The course of full-time study for this Diploma shall consist of:
   28.425 Performance (four paper value)
   and any two papers listed in the schedule for the Bachelor of Music but not previously taken.

3. For Performance 28.425 a candidate shall:
   (a) carry out performance work (including the giving of class demonstrations), and
   (b) attend all classes in individual training and such classes in ensemble training, including orchestral rehearsals, as may be
       required, and
   (c) pass a performance examination in any one of the following subjects:

       | Flute  | French Horn | Violin | Piano   | Recorder |
       | Oboe  | Trumpet     | Viola  | Harpsichord | Percussion |
       | Clarinet | Trombone  | Cello  | Organ   | Harp     |
       | Bassoon | Tuba       | Double Bass | Singing | Guitar   |
       | Saxophone | Jazz Studies | Baroque Flute |

   Note: Not all of these subjects may be available in any one calendar year. The School of Music Handbook gives further details.

   (d) Organ students will also receive tuition in harpsichord. A student studying harpsichord may elect to include studies in classical
       organ, its technique and repertoire, as part of the course.

   (e) A candidate presenting Singing for this Diploma shall attend such language courses and do such language work as the Head
       of Department of Music may require.

4. It shall be a condition of a candidate’s being permitted to pursue this course of study that he or she:
   (a) shall not undertake any musical work, including musical competitions and examinations, outside the course without the
       consent of the Head of Department of Music, and
   (b) shall not enrol for any other course without the leave of the Head of Department of Music.

5. A candidate shall be required to pass the course of study as a whole so that performance in both Performance 28.425 and the papers
   shall be considered.

6. Except as otherwise provided in these Regulations the course of study of every candidate shall be governed by these Regulations.

Special Provision

7. The Senate may in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing
   Regulations.

Commencement

8. These Regulations shall come into force on 1 January 1993.

DIPLOMA IN PERFORMING ARTS DipPerformArts

The Diploma in Performing Arts is an Inter-Faculty offering. For detailed Regulations refer to the Inter-Faculty Degrees and Diplomas
section of this Calendar.

DIPLOMA COURSE PRESCRIPTIONS

DipMus

Restrictions on Entry to Courses

A candidate before enrolment for this Diploma is required to satisfy the Head of Department of Music that he or she has attained
a suitable standard in music including performance at interview to be held during the August/September study break preceding the
year of enrolment.

Applications to the Registrar must be made on the prescribed form and forwarded to the Secretary, Music Department by 30 June (for
entry to the course in the following year)

The prescriptions for papers for the Diploma in Music shall be the same as those for the corresponding subjects for the Degree of
Bachelor of Music, and in the case of Basic Musical Techniques (28.105) as prescribed for the Degree of Bachelor of Arts, and as
follows:

Performance

See Regulation 8 of the Regulations for the Diploma in Music.

DipMus(Hons)

28.425 Performance

(Four paper value)

Preparation for and presentation of a public performance of a well-balanced recital programme.

INSTRUCTION IN A SINGLE INSTRUMENT

Instruction may be offered in a single instrument by a full-time member of the Music staff. The subjects normally include Violin, Viola,
Cello, Piano.

The Admission Regulations do not apply to students enrolling for such instruction. Enrolment is at the discretion of the teacher concerned,
and will be subject to the teacher’s existing commitments to full-time students enrolled for a university qualification. Enrolment must
be completed, whether on a term-by-term or occasional basis, and the appropriate fee paid, before the first lesson of each term.

By arrangement lessons may be half an hour or one hour in length; they are available on a regular or an occasional basis. The teaching
year consists of three ten-week terms.

Instruction will be under the direction of the teacher, who will submit an annual report on each student to the Head of the Department
of Music.

Students may be invited, at the discretion of the teacher, to participate in ensemble or Performance class work in the School of Music.
# Faculty of Science

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<td>Technology</td>
<td>469</td>
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<tr>
<td>Tutoring in Science</td>
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## Diploma Course Regulations

<table>
<thead>
<tr>
<th>Diploma</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Diploma in Computer Science</td>
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<tr>
<td></td>
<td>Diploma in Environmental Management</td>
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<tr>
<td></td>
<td>Diploma in Mathematics Education</td>
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<td>Diploma in Science</td>
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<td></td>
<td>Diploma in Science Education</td>
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<tr>
<td></td>
<td>Diploma in Statistics</td>
</tr>
<tr>
<td></td>
<td>Postgraduate Diploma in Applied Psychology</td>
</tr>
<tr>
<td></td>
<td>Postgraduate Diploma in Clinical Psychology</td>
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<tr>
<td></td>
<td>Postgraduate Diploma in Science</td>
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</table>

## Diploma Course Prescriptions

<table>
<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td>Diploma in Computer Science</td>
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<td></td>
<td>Diploma in Statistics</td>
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<tr>
<td></td>
<td>Postgraduate Diploma in Applied Psychology</td>
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<td></td>
<td>Postgraduate Diploma in Clinical Psychology</td>
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## Certificate Regulations

<table>
<thead>
<tr>
<th>Certificate</th>
<th>Faculty of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certificate in Ocular Pharmacology</td>
<td>473</td>
</tr>
<tr>
<td>Certificate in the Principles and Practice of Radiochemistry</td>
<td>473</td>
</tr>
</tbody>
</table>
GENERAL INFORMATION

The Faculty of Science consists of fourteen disciplines taught in eight departments and two schools covering the full range of mathematical, physical, biological, behavioural and earth sciences. Each Department teaches papers at the undergraduate and graduate levels as well as being involved in research. Students commencing the BSc degree are advised to consult the Science Handbook which describes the papers offered and gives advice on planning a course of study. Information on research activities is contained in the University of Auckland Research Report which is published each year and lists research publications and thesis topics. In addition each Department issues information on the courses it teaches.

Bachelor of Science

Over 200 papers grouped under eighteen different subject headings are offered in the BSc Schedule. Students select personal courses of study from among these papers according to their interests and career objectives. There are over 30 Stage I papers each of which provides an introduction to the subject and foundation on which to build further study. The Stage II and III papers progress to a more advanced level, with a greater depth and concentration of subject-matter. The papers differ in their relative sizes and this is indicated by the number of credits awarded for each paper passed. Most of the Science papers involve laboratory or field work which is an integral part of the teaching programme.

The subjects offered in the BSc Schedule are:

- Aviation Science
- Biological Sciences
- Chemistry
- Computer Science
- Educational Psychology
- Environmental Management
- Environmental Science
- Geography
- Geology
- Mathematics – Applied
- Mathematics – Pure
- Pharmacology
- Philosophy
- Physics
- Physiology
- Psychology
- Science Communication
- Sports Science
- Statistics
- Tutoring in Science

Students should note that not all subjects are available at Stage I. The BSc Schedule gives a breakdown of each subject’s papers and its stages.

The minimum requirements for the BSc Degree can be summarised as follows:

- At least three years’ study
- A total of at least 96 credits
- At least 36 credits above Stage I
- At least 12 credits in Stage III Science papers
- At least four different Science subjects (at least 6 credits in each).

Education, Environmental Management, Environmental Science, Sports Science and Tutoring in Science are not Science subjects for the purposes of BSc Regulation 3(c).

There are two important constraints which must be borne in mind when planning a BSc course. The first is that all prerequisite and corequisite requirements are met. The best way to plan a BSc course is to select first the major subjects which will be taken to Stage III. Then work backwards to ensure that all the necessary prerequisites are taken in the first two years. The other constraint on selection of papers is the problem of timetable clashes. Students should study carefully the timetable information given in this Calendar, noting particularly the parts of the year in which each paper is taught. Some of the larger classes will have several alternative laboratory and lecture streams which may help to avoid clashes. Thus most of the common combinations of Stage I papers can be taken without clashes, but the large number of advanced papers means that many combinations of subjects are impossible for timetable reasons. As a general rule it is not possible to take papers which clash in lecture or laboratory times, unless a special arrangement can be negotiated with the Departments concerned.

The BSc Regulations include some special provisions which can be of benefit to some students. Thus students who have performed well in the University Entrance Bursary and Scholarship Examinations may be permitted to enrol directly in Stage II papers without having passed the prerequisite Stage I papers. Students who have been awarded the NZCS or other technical or nursing qualifications before coming to University may be granted credit towards the BSc (maximum 36 credits). Students who abandon “Intermediates” for Engineering, Architecture and other courses will normally be permitted to credit passes in Science papers to the BSc Degree.

Although the main object of BSc papers is to teach scientific method and to impart knowledge and appreciation of some of the main scientific disciplines it is also possible to acquire a broad educational experience by suitable choice of papers. BSc students may also take up to 20 credits from papers in other Faculties, giving an opportunity to pursue interests outside of the sciences.

Tamaki Campus

From 1994, three science programmes will be offered at the Tamaki Campus as part of the BSc Degree. The programmes are in the areas of Applied Physics, Environmental Management, and Sports Science.

Bachelor of Science (Honours)

This course is available only to students of proven ability in Biochemistry, Botany, Cellular and Molecular Biology, Computer Science, Geology, Applied Geology, Mathematics, Physiology, Psychology, Sports Science and Zoology. Students normally change from the BSc course to the BSc(Hons) course at the end of their second or third year at University. The course covers much of the same advanced material as the MSc course, but it is possible to complete BSc(Hons) within four years. BSc(Hons) graduates are permitted to enrol for PhD studies without completing a Master’s degree.

Bachelor of Science Education

This degree is designed to meet the needs of students who are considering secondary teaching as a career (enrolment for the Diploma in Teaching course at the Auckland College of Education is a corequisite of Part II of BScEd).

Bachelor of Technology

This is a recently introduced four year degree which prepares students for employment or research in specific areas of technology. The following options are available at the Tamaki Campus: Industrial Mathematics and Information Technology. The following options are available at the City Campus: Animal Technology, Biomedical Science, Biotechnology, Materials, and Optoelectronics.

Bachelor of Optometry

This is a four-year professional course leading to registration as an Optometrist. Entry into the first year (BOptom Part I) of the course is subject to a quota. Applicants should contact the Department of Optometry for details of the selection criteria.

Master of Science

This is a course of advanced study and an introduction to research, based on the study of one scientific discipline in depth. (For the MSc in Environmental Science, a further science subject is studied in addition to Environmental Science.) All of the main Science Departments
offer MSc programmes, each consisting of a number of specialist papers plus a thesis on a selected research topic. (In Computer Science and Mathematics the thesis may be replaced by an advanced course of study.) All Departments offer a wide range of MSc research topics and intending students are advised to discuss their proposed course with staff members before completing the BSc Degree. The prerequisite for the MSc course is a BSc Degree with the required number of Stage III credits as specified for each subject in the MSc Regulations, and an average grade of C+ or better in these Stage III papers.

**Doctor of Philosophy**

The PhD Degree has become accepted as the appropriate qualification for a career in scientific research. The PhD course consists of advanced study and supervised research leading to the presentation of a thesis. The thesis must be an original contribution to knowledge and meet the recognised international standards of scientific research.

**Postgraduate Diploma in Applied Psychology**

This is a three-year course in selected areas of applied psychology which is undertaken in conjunction with the Master’s Degree in Psychology.

**Postgraduate Diploma in Clinical Psychology**

This is a three-year course which is undertaken in conjunction with the Master’s Degree in Psychology.

**Diploma in Computer Science**

This is a specialist course concentrating on topics in Computer Science.

**Diploma in Mathematics Education**

This is a course intended for those, not necessarily graduates, who have several years’ experience as teachers and wish to broaden their knowledge of both educational theory and mathematics teaching.

**Diploma in Science Education**

This course is designed to complement the existing Diploma in Mathematics Education. Like the DipMathsEd it is intended to meet the needs of serving teachers, in this case in the areas of science and science education.

**Certificate in Ocular Pharmacology**

This is a course intended for experienced optometrists who wish to broaden their knowledge of theoretical and practical aspects of Ocular Pharmacology.

**Diploma in Statistics**

This is a specialist postgraduate course involving papers in Statistics, Operations Research together with a project. Papers from Mathematics, Computer Science and other subjects relevant to Statistics may also be included.

**Certificate in the Principles and Practice of Radiochemistry**

A pass in 08.350 will entitle students to receive the Elementary Certificate.

**Combined Science and Commerce Degrees**

Students who wish to study both Science and Commerce are encouraged to consider the conjoint BCom/BSc, listed under “Interfaculty” degrees. The conjoint programme takes a minimum of 4 years and must be planned very carefully to satisfy the two sets of Degree Regulations and to meet timetable constraints. Intending students, who must be of high quality, must seek advice from the Science and Commerce Deans before enrolling. Students will normally enter the conjoint programme in their first year, or possibly at the end of the first year; it is seldom possible to complete in 4 years if students enter later.

### DEGREE COURSE REGULATIONS

#### THE DEGREE OF BACHELOR OF SCIENCE BSc

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General) and the Examination Regulations.

**General Provisions**

1. Except as provided in the Admission Regulations candidates for the Degree of Bachelor of Science shall follow a course of study of not less than three years.

2. (a) The subjects prescribed for this Degree are:

   - Aviation Science
   - Biological Sciences
   - Chemistry
   - Computer Science
   - Education
   - Environmental Management
   - Environmental Science
   - Geography
   - Geology
   - Mathematics – Applied
   - Mathematics – Pure
   - Pharmacology
   - Philosophy
   - Physics
   - Physiology
   - Psychology
   - Science Communication
   - Sports Science
   - Statistics
   - Tutoring in Science

(b) For the purpose of these Regulations: a ‘paper’ is a separately assessed segment of work in a subject, and papers are classified as follows:

   - Stage I (xxx. 100 to xxx. 199)
   - Stage II (xxx. 200 to xxx. 299)
   - Stage III (xxx. 300 to xxx. 399)

(c) ‘Credits’ are awarded for the successful completion of papers as set out in the Schedule to these Regulations (“the BSc Schedule”).

3. A complete course of study for this Degree requires the gaining of at least 96 credits, of which:

   (a) at least 12 credits must be from Stage III papers in the BSc Schedule;
   (b) at least 36 credits must be from papers above Stage I; and
   (c) at least 6 credits must be from papers scheduled for this Degree in each of four subjects

or

   (d) for the subject Sports Science 96 credits are as prescribed in the Schedule to these Regulations under Sports Science;
   (e) Credits obtained from the paper 14.327 (Aspects of Science Education) shall not satisfy the requirement of Regulation 3 (a) above.
   (f) Credits obtained from papers in Logic and in Pacific Studies, or from papers listed under Management Science and Information Systems in the BSc schedule, do not count as a subject under 3(c) above.
Practical Work Requirements

4. In relation to the taking of any paper, a candidate shall comply (i) (before enrolment) with all prerequisite requirements and (ii) with all corequisite requirements, as set out in the BSc Schedule. However, the Head of Department may in exceptional circumstances:
(a) waive any of those requirements;
(b) waive any prerequisite requirement and impose it as a corequisite.

5. A candidate who has not gained at least 24 credits from Stage I papers in the BSc Schedule may not enrol for any papers above Stage I without the prior permission of the Senate.

Direct Entry to Stage II Papers

8. Notwithstanding anything in Regulations 5 and 6, the Senate may, in exceptional circumstances, permit a suitably qualified candidate to enrol for Stage II papers without having passed the prerequisite Stage I papers. But where such permission is given:
(a) a successful candidate shall be credited only with passes in the Stage II papers and not in any of the prerequisite papers;
(b) a candidate who fails any Stage II paper may be granted a pass in the appropriate Stage I paper if the necessary standard has been attained.

Credit for Papers in Other Faculties

9. (a) A candidate for this Degree may obtain up to 20 credits from any other papers or subjects which:
(i) are not prescribed for the Degree of Bachelor of Science; and
(ii) are not the same as, or do not substantially overlap with, any other paper or papers which the candidate wishes to credit to the BSc Degree.

(b) In exceptional cases, a student abandoning a BCom/BSc in favour of a BSc alone may have up to 12 credits from the other component credited to the BSc, in addition to the credits allowed under Regulation 10(a).

(c) The credits allowed for the purpose of this Regulation shall be:
- Architecture, Property & Planning per credit 1 credit
- Arts per paper 5 credits
- Commerce, including papers 01.102, 01.103 or 01.104 per paper 5 credits
- Engineering paper 50.002 3 credits
- per any other half-year 4 credits
- paper (but not 31.114) per full-year paper 6 credits
- Fine Arts per paper 5 credits
- Law per 23 hours of lectures in any subject 2 credits
- Medicine & Human Biology per paper 6 credits
- Music per paper 5 credits
- Theology per paper 5 credits

BCom/BSc

10. For the purposes of the conjoint degrees BCom/BSc, the "BSc component", as defined by the Conjoint Degrees BCom/BSc Regulations shall be:
(a) at least 60 credits from papers in the BSc Schedule, of which
(b) at least 12 credits must be from Stage III papers in the BSc Schedule.
(c) at least 6 credits must be from papers scheduled for the Degree of Bachelor of Science in each of three subjects prescribed for the Degree of Bachelor of Science, including at least 6 credits from subjects which are not included in the BCom Schedule.

Note: Refer also to BCom Regulation 13 and the Conjoint Degrees of BCom/BSc in the Inter-Faculty section of this Calendar.

Credits for Papers Abandoned from Other Degree Courses

Note: See Regulation 15 of the Enrolment and Course Regulations (General).

11. For the purposes of these Regulations the word 'papers' in Regulation 15 of the Enrolment and Course Regulations (General) shall be interpreted as meaning:
(a) papers listed in the BSc Schedule;
(b) papers equivalent to papers listed in the BSc Schedule as determined by the Senate;
(c) papers that can be credited towards the BSc Degree under Regulation 10.

Credit for Other Qualifications

12. (a) A candidate who has gained the New Zealand Certificate in Science or has gained any other recognised technical qualifications of comparable standard, may be credited with such specified papers and/or given such unspecified credits up to a maximum of 36 credits, as the Senate may determine.
(b) A candidate who has gained in New Zealand a Diploma in Nursing may be given such unspecified credits up to a maximum of 36 credits as the Senate may determine.
(c) A candidate who has successfully completed a course at a Teacher's College under the control of the Auckland Teachers' Colleges Council, or (from 1986) at the Auckland College of Education, may be granted credits towards this Degree as provided by Regulation 14 of the Enrolment and Course Regulations (General).
(d) A candidate who has gained a Civil Aviation Authority Commercial Pilot Licence may be granted six unspecified Stage I Science credits and an Airline Transport Licence as additional 12 unspecified Stage I Science credits, with up to a further six credits for additional ratings, as the Senate may determine.

Transitional Provisions

13. (a) Except as otherwise provided in this Regulation, the course of study of every candidate shall be governed by these Regulations.
(b) A candidate who gained credit in any unit, course or paper under any of the former Regulations for this Degree, shall be credited with such equivalent papers as may be determined by the Senate.
(c) For candidates who enrolled for this Degree before 1973 the subject prerequisites, corequisites and restrictions, where not covered by these Regulations, shall be determined by the Head of the Department concerned.
### Exceptions

14. (a) The Senate may, in such cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

(b) Every application for approval under this Regulation shall be submitted by the candidate in writing to the Registrar.

### Validity

15. These Regulations shall come into force on 1 January 1983.

### SCHEDULE

<table>
<thead>
<tr>
<th>Paper Number and Campus</th>
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<th>Availability</th>
<th>Part of Year</th>
<th>Credits</th>
<th>Total Lecture Hours Per Paper</th>
<th>Minimum Lab Hours</th>
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#### AVIATION SCIENCE

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<th>Credits</th>
<th>Total Lecture Hours Per Paper</th>
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<td>Contemporary Topics on the Biology of Humans</td>
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<td>6 one day field visits</td>
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</tbody>
</table>
Schedule
1. This schedule sets out paper numbers, credits, prerequisites, corequisites and restrictions applying to courses of study offered for the Degree of Bachelor of Science.
2. The schedule shall be read with the Regulations for the Degree and with the prescriptions set out elsewhere in the Calendar.
3. The heading 'prerequisite' in relation to a paper refers to other papers which must be passed before the candidate may take that paper.
4. The heading 'corequisites' in relation to a paper refers to other papers which must be taken concurrently with that paper or have been passed in a previous year.
5. The heading 'restrictions' in relation to a paper refers to papers which cannot be credited together with that paper.

<table>
<thead>
<tr>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Restrictions</th>
<th>Notes</th>
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</thead>
</table>
| With permission of Head of Department, Psychology 6 credits of each of 
Stage I Mathematics and Physics or equivalent 712.221 or equivalent | 39.101 or T39.101 39.111, T39.101 39.111, 39.101 06.102 with 38.102, T39.102, 39.112 | 39.101 or T39.101 39.101, T39.101 39.101, 39.101 06.102 with 38.102, 39.102, 39.112 T39.103, N59.103 39.103, N59.103 39.103, T39.103 | Students may not enrol in 39.100 at the same time as, nor subsequent to passing, any other Biological Science paper For B.Tech, Otago Health Science, Sports Science, Optometry, and allied medical science students only This paper is for students not intending to progress to Stage II papers within the School of Biological Sciences Students wishing to take 39.201 or 39.203 without appropriate first year biology papers should contact Director SBS prior to enrolment (refer 39.201 notes) For 1995 only the prerequisites are 39.103 or T39.103 The papers 39.320 and 39.321 together provide a course in Crop Protection |
<p>| 12 credits from 39.101 or T39.101, 39.102 or T39.102, 39.103 or T39.103, 39.104 or with permission from the Director of the School 39.101 or T39.101, 39.102 or T39.102 and 6 credits from any Stage I Chemistry paper | As for 39.102 66.201, 66.203 | 39.102, T39.102, 65.151 | |
| 39.101 or T39.101, 39.102 or T39.102 As for 39.201 | 66.201, 66.202 06.251, 06.252 | 38.252 | |
| As for 39.202 24 Stage I credits Science subjects 39.206 or T39.206; 38.207 or 39.209 or 26.181, and at least one paper from 39.201-39.203 12 Stage II credits in Botany or Biology including at least one paper from 39.201-39.203 | As for 39.206 | 06.334, 06.335 | |</p>
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<th>Paper Number and Campus</th>
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<th>Part of Year</th>
<th>Credits</th>
<th>Total Lecture Hours Per Paper</th>
<th>Minimum Lab Hours</th>
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- 08.230
- 08.210, 08.230

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- 08.330
- 08.220
- 08.260
- 08.260, 08.360
- 08.260

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- 07.100
- 07.105
- 26.151 or equivalent papers; 26.165 or 07.111 or 07.100 or 07.115
- As for 26.225 (07.100, 07.115) or (T74.110, T07.115); any six credits in Mathematics or Statistics (07.100, 07.105) or (T74.110, T07.115); 26.151 or equivalent papers approved by the Head of Department As for 07.231

### Notes

With permission of Head of Department, paper 50.002, Introduction to Computing for Engineers, may be used as an alternative prerequisite for 07.211.

Students must not enrol in 07.111 at the same time as, nor subsequent to passing, any other Computer Science paper.
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In exceptional circumstances and with the permission of the Head of Department, some papers offered for MSc in Computer Science may be taken for the BSc degree. Each such paper shall carry the credit rating shown in the MSc prescriptions.
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MANAGEMENT SCIENCE AND INFORMATION SYSTEMS

A detailed schedule of the papers available in this subject can be seen by reference to the schedule in the BCom Regulations. Note that one paper in Management Science is offered in each of the first and second halves.

MATHEMATICS, APPLIED (for papers in Statistics, see Statistics)

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*Faculty of Science*

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26.152 or equivalent papers approved by the Head of Department

T26.162, 26.165, 26.175

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26.152 or equivalent papers approved by the Head of Department

26.162, 26.165

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26.152 or equivalent papers approved by the Head of Department

T26.165, 26.175

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Computer and Information Systems (BCom) is equivalent to five credits in Management Science and Information Systems (BSe).
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**MATHEMATICS, PURE**

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See notes 1, 2  
E26.100  
See notes 1, 2  
26.100

See notes 1, 3  
See notes 1, 3  
See notes 1, 3  


(2) This paper is available to students without 7th form mathematics and with little background in mathematics. It may not be offered after any other paper in Pure Mathematics.
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### Prerequisites


### Corequisites


### Restrictions


### Notes

2. This paper may be phased out in 1995.

(i) The superscript * when associated with the prerequisites 26.108 or 26.120 or 26.121 or 26.142 denotes that a grade of B or better is required in these papers.
3. Any number of 400 level papers may be taken with prior permission of the Head of Department. Each such paper shall have the credit value shown in the MSc Prescriptions.
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### Prerequisites

- (66.202 or 66.203) or (39.201 or 39.203)
- or 67.201 and 12 or more credits from any Science paper above Stage I
- 67.201 and 12 or more credits from any Science papers above Stage I
- 08.260, 66.202 and 9 or more credits from any Science papers above Stage I
- 08.260, 66.202 and 9 or more credits from any Science papers above Stage I
- 29.101, and anyone other Philosophy I paper or 24 BSc credits
- Two Stage 1 Philosophy papers or 24 BSc credits
- Two Philosophy I papers, or 24 BSc credits
- 29.201, and anyone other Philosophy II paper or 48 BSc credits
- 6 credits from 31.101-151, T31.122, T31.132
- 6 credits from 31.102-151, T31.122, T31.132
- 6 credits from Stage I Mathematics or Statistics
- 12 credits from 31.140-151, T31.122, T31.132
- 12 credits from 26.120-175, T26.107-165

### Corequisites

- T29.151
- 29.101
- T29.260
- 29.203
- 26.315

### Restrictions

- T29.151
- 31.100
- See Note
- 31.270
- 31.104, 31.116
- 31.140
- 31.104, 31.114
- 31.102, 31.141, 31.144, T31.122, T31.132
- 31.102, 31.140, 31.141, T31.122, T31.132
- 31.100, 31.151, T31.122, T31.132

### Notes

- This paper may not be taken with nor after any of the papers 31.124-150, T31.122, 132
- The superscript b associated with the prerequisites indicates that for Stage I Physics papers the grade B- or better is usually required
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- 6 credits from Physics; or Mathematics or Computer Science
- 12 credits from 32.210, 220, 225, 230, 240, 250, T32.361, T32.262, T32.263 or from 32.209, 211, 212, 213, 214, 215 and from 1995 one Stage I Statistics paper
- As for 67.301
- As for 67.301

### Corequisites

- 67.202

### Restrictions

- 67.201

### Notes

- 32.118, T32.128
- 32.119, T32.129
- 32.108, T32.128
- 32.109, T32.129
- 32.118, 32.119
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- 32.108 or 32.118 or T32.128, and 32.109
- or 32.119 or T32.129.
- 32.108 or 32.118, or T32.128 and 32.109
- or 32.119 or T32.129; or 38.102
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- As for 32.220
- As for 32.220
- 32.207, 32.209, 32.208, T32.261
- 32.207, 32.208, 32.212, 213
- 32.214, 215
- 32.206
- 32.210
- 32.207, 32.220
- 32.214, 32.240

- 12 credits from 32.210, 220, 225, 230, 240, 250, T32.261, T32.262, T32.263 or from 32.209, 211, 212, 213, 214, 215 and from 1995 one Stage I Statistics paper.
- As for 32.301
- As for 32.301
- As for 32.301 or 67.201
- As for 32.301
- As for 32.301
- As for 32.301
- As for 32.301
- As for 32.301
- As for 32.301

- Four other Stage III Psychology papers
- T32.308

- Enrolment requires approval of the Head of Department
- Enrolment requires approval of the Head of Department

- 425

- Faculty of Science

- Corequisites

- 67.202

- Restrictions

- 67.201
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**SCIENCE COMMUNICATION**

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**SPORTS SCIENCE**

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- As for 32.301
- or 12 Stage II Zoology credits
- As for 32.301, or one of 03.211, 03.217, 04.202, 83.205
- As for 32.301
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### Corequisites
- T32.362
- T32.363
- T32.312, 72.204, T72.204, 72.316
- 32.312, 72.204, T72.204, 72.316
- T32.314, T32.361
- 32.314
- 32.309
- 32.311

### Restrictions
- T32.362
- T32.363
- T32.312, 72.204, T72.204, 72.316
- 32.312, 72.204, T72.204, 72.316
- T32.314, T32.361
- 32.314
- 32.309
- 32.311

### Notes
Enrolment requires approval of co-ordinator of Sports Science
As for T711.101

08.111, 08.121
39.111
As in BSc Schedule
As in BSc Schedule
32.108, 32.118
32.109, 32.119
39.101
39.102
31.102, 31.140, 31.141,
31.150, 31.151, 31.144
32.108, 32.118
32.109, 32.119
26.180, 26.181, 26.182,
26.188, T26.188, 13.102

T711.101

T711.101

T32.128 or T32.129

6 credits from Chemistry AND
6 credits from Biology or Zoology;
OR 12 credits from Physics OR 6 credits
from Physics and 6 credits from
Mathematics or Computer Science
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<td></td>
<td>4</td>
<td>23</td>
<td>23x2</td>
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Plus one Stage II paper or papers to a total of at least 6 credits from the BSc Schedule in one of the following subjects: Biochemistry, Botany, Cellular and Molecular Biology, Chemistry, Computer Science, Environmental Management, Applied Mathematics, Pure Mathematics, Physics, Psychology, Statistics, Zoology

### Third Year

<table>
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<tr>
<th>Code</th>
<th>Title of Study</th>
<th>Credits</th>
<th>Total Lecture Hours</th>
<th>Minimum Lab Hours</th>
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<td>Sports Science and Technology 3A</td>
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<td>T371.302</td>
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<td>T371.303</td>
<td>Sports Physiology</td>
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<td>T372.360</td>
<td>Sports Administration and Management</td>
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**STATISTICS**

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<th>Minimum Lab Hours</th>
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<td>528.180</td>
<td>Principles of Statistics</td>
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<td>46</td>
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<tr>
<td>528.181</td>
<td>Introduction to Probability &amp; Statistics</td>
<td>6</td>
<td>46</td>
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<td>528.188</td>
<td>Probability and Statistics for Commerce</td>
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<td>46</td>
<td>23x1</td>
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<tr>
<td>528.189</td>
<td>Probability and Statistics for Commerce</td>
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<td>528.281</td>
<td>Data Analysis</td>
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<td>528.293</td>
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<td>528.294</td>
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<td>528.381</td>
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<td>528.382</td>
<td>Design of Surveys and Experiments</td>
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<td>Prerequisites</td>
<td>Corequisites</td>
<td>Restrictions</td>
<td>Notes</td>
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<tr>
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<td>26.251 or 26.208 or 26.231 or equivalent papers approved by the Head of Department</td>
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<td>6 credits in Statistics or Pure or Applied Mathematics</td>
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<td>All other Stage I Statistics papers or 13.102</td>
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<td>All other Stage I Statistics papers or 13.102</td>
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<td>All other Stage I Statistics papers or 13.102</td>
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<td>Part of Year</td>
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<td>528.386</td>
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<td>528.387</td>
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<td>528.391</td>
<td>Optimisation in Operations Research</td>
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<td>528.395</td>
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**Tutoring in Science**

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<td>T</td>
<td>4</td>
<td>27 (-)</td>
<td>30 (+)</td>
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* Starred papers will not be taught during the current Calendar year.
† Dagged papers will not be taught unless sufficient staff are available.

**The Degree of Bachelor of Science (Honours) BSc(Hons)**

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General) and the Examination Regulations.

1. Except as provided in the Admission Regulations a candidate for the Degree of Bachelor of Science with Honours shall follow a course of study of four years, or five years for a student who has completed a conjoint BCom/BSc programme.
2. The Degree may be awarded in each of the following Honours Schools: Biological Sciences, Computer Science, Geology, Applied Geology, Mathematics, Physiology, Psychology, Sports Science and Statistics.
3. Admission to the course of study for the Degree of Bachelor of Science (Honours) shall be at the discretion of the Senate and shall be given at either the end of the second year or third year after matriculation provided that where the proviso to Regulation 11 applies, admission may be granted at the end of the third or fourth year after matriculation.
4. No candidate shall be admitted to an Honours School without the approval of the Head of Department of that School or, in the case of Biological Sciences, the Director of the School of Biological Sciences or, in the case of Sports Science, the Head of the Sports Science Programme and of the Senate. Such approval shall be granted or withheld upon a consideration of the candidate’s performance in the courses of University study already pursued by the candidate and particularly in the papers required as prerequisites to that Honours School.
5. No candidate may be awarded the Degree of Bachelor of Science (Honours) if he/she has previously been awarded the Degree of Bachelor of Science of this University.
6. In each Honours School a candidate’s course of study for the Degree shall comprise:
   (a) such prerequisites, being papers prescribed for the Degree of Bachelor of Science, and
   (b) such Honours Parts (being Parts III and IV, or Part IV as the case may be) and
   (c) such Foreign Language requirements as the Head of the Department within the Honours School may prescribe, and
   (d) such papers in other subjects as may be required and prescribed in that Honours School under Regulation 16, provided that:
      (i) except where the Senate in its discretion otherwise permits, the number of prerequisite papers shall be not fewer than 72.
Prerequisites
As for 528.382
As for 528.382
26.208 or T26.208 or 26.251 or 26.231; 528.180 or a B+ in 528.281; 01.206 or a Stage III Statistics paper; approval of Head of Department.

The special interdisciplinary nature of this paper may allow alternative prerequisites to those listed approved by the Head of Department.
07.100 or 07.111 or 26.162 or suitable computing experience; 26.208 or T26.208 or 26.251 or equivalent papers approved by the Head of Department.
The special interdisciplinary nature of this paper may allow alternative prerequisites to those listed
As for 528.391
A Stage I Statistics paper; 07.100 or 07.111 or 26.162 or suitable computing experience; 26.280 or T26.208 or 26.251 or equivalent papers approved by the Head of Department.
The special interdisciplinary nature of this paper may allow alternative prerequisites to those listed
As for 528.391
36 Stage I Science Credits
(s) Seminars included
(+) Work in classrooms

 credits in a case of entry into an Honours School at the end of the second year after matriculation and not fewer than 96 in a case of entry at the end of the third such year;

(ii) in the case of any prerequisite subject and with the approval of the Senate, if the candidate has been permitted to enrol for and has passed at Stage II without having passed at Stage I, Stage II may be substituted for Stage I, and Stage III may then be substituted for Stage II;

(iii) in the case of a candidate whose first language is not English the Foreign Language requirements shall be waived.

(iv) A student who has completed the requirements for a conjoint BCom/BSc programme shall, for the purposes of this Regulation, be deemed to have 96 Science credits, but shall not normally be exempted from any other prerequisite requirements for entry to an Honours School.

7. Notwithstanding anything in Regulation 16, a candidate for this Degree may, with the permission of the Heads of Departments concerned (or, in the case of Biological Sciences, the Director of the School of Biological Sciences or, in the case of Sports Sciences, the Head of the Sports Science Programme) and the approval of the Senate,
(a) substitute one paper in another subject for one paper of the subject in which the Degree is being taken, or
(b) substitute one Stage III paper (or up to 4 Stage III credits) not already taken for any other degree or diploma.

8. A candidate in any subject for this Degree where practical work is prescribed, must pass besides the written examination, in such practical work as may be prescribed by the Head of the Department.

Withdrawal and Exclusion from Course
9. A candidate may withdraw from the Honours School and be granted such credits and exemptions for papers for the Degree of Bachelor of Science as the Senate shall determine.

10. A candidate shall be required to pass as a whole each Part of the Honours course of study so that the performance in all papers comprising this Part shall be considered: provided that a candidate who has failed to pass an Honours Part as a whole may in such exceptional circumstances as the Senate approves be credited with a paper or papers of that Part and permitted in a subsequent year to present the paper or papers not so credited, together with (if the Senate permits) a paper or papers of the next succeeding Part. The candidate shall then be required in that year to pass as a whole in all the papers so presented upon the same conditions as those herein prescribed.
Classes of Honours
13. The Degree of Bachelor of Science (Honours) may be awarded with First Class or Second Class Honours. Second Class Honours shall be awarded in either First Division or Second Division. The class of Honours awarded shall be determined primarily on the performance of the candidate in the examinations in his or her final year but account may be taken of his or her work throughout his or her course of study.

Requirements of Honours Schools
14. The Senate may determine in respect of any candidate who fails to qualify for the Degree that he or she be awarded the Degree with Third Class Honours or be credited with papers towards that Degree or be credited with the Degree of Bachelor of Science together with appropriate credits towards the Degree of Master of Science.

Transfer to BSc(Hons)
15. The Senate may, on written application by a candidate for the Degree of Bachelor of Science and without payment of a fee, grant him or her permission to transfer to a course of study under these Regulations and allow him or her to be credited with a pass in such papers as the Senate shall determine.

Biological Sciences Honours Part III
16. Subject to the provisions of Regulation 5, the Honours courses of study with subject and papers of examination are as follows:

(a) For a candidate seeking admission to the Honours School at the end of the second year after matriculation, a total of 72 credits from papers that may be credited to the BSc Degree providing that these prerequisite papers, together with the papers selected for Part III, will enable the candidate to attain a level equivalent to the prerequisite for entry to Part IV.

(b) For a candidate seeking admission to the Honours School at the end of the third year after matriculation, a total of 96 credits from papers that may be credited to the BSc Degree including:

(i) For students enrolling in Honours Part IV in 1995: 24 Stage III credits from Botany and/or Zoology (including papers 39.311 and 39.314) and/or Cellular & Molecular Biology and/or Biochemistry as approved by the Director of the School of Biological Sciences. For papers 39.479 to 39.483, up to 12 Stage III credits in Pharmacology, Physiology and Chemistry may be substituted with the approval of the Director.

(ii) For students completing Honours Part III in 1995: 24 Stage III credits from Biological Sciences as approved by the Director of the School of Biological Sciences. For papers 39.479 to 39.483, up to 12 Stage III credits in Pharmacology, Physiology and Chemistry may be substituted with the approval of the Director.

Biological Sciences Honours Part IV
Part III shall consist of 24 Stage III credits from Biological Sciences as approved by the Director of the School of Biological Sciences. For papers 39.479 to 39.483, up to 12 Stage III credits in Pharmacology, Physiology and Chemistry may be substituted with the approval of the Director.

Biological Sciences Honours Part IV
(Three papers together with practical work and a thesis.)

The student shall follow one year's course of study approved by the Director of Biological Sciences and carry out an original investigation on an approved topic. The examination shall consist of three papers prescribed for the Degree of Master of Science in Biological Sciences and a thesis (Biological Sciences 39.603) embodying the results of the investigation which shall be the equivalent of one paper. The three papers, selected from Biological Sciences 39.461 to 39.483, shall form a coherent course of study as approved in each case by the Director. The thesis shall be delivered to the Registrar at the end of the third term.

Part IV Papers
The three papers, selected from Biological Sciences 39.461 to 39.464, shall form a coherent course of study as approved in each case by the Director.

Note: Intending students should consult the Director of the School of Biological Sciences about the selection of a research topic immediately after completing the papers for Part III.

Computer Science Honours Part III
(24 credits in papers approved by the Head of Department of Computer Science.)

Part III shall consist of papers approved by the Head of the Department of Computer Science totalling 24 credits and including such papers as will enable attainment of a level equivalent to the prerequisite to entry to Part IV.

Computer Science Honours Part IV
(24 credits in papers approved by the Head of the Department of Computer Science.)

Part IV shall consist of 24 credits, at least 16 credits of which shall be from Computer Science 07.400 to 07.499. The remaining credits may be selected with the approval of the Heads of the Departments concerned from relevant Masters papers in the subjects Mathematics, Physics (one paper counting as 4 credits) and/or papers prescribed for the degree of Master of Engineering (one paper counting as 2 credits for this Degree.)

Geology Prerequisites
(a) For a candidate seeking admission to the Honours School at the end of his or her second year after matriculation, Geology papers totalling 24 credits and 42 credits from other papers in any of the following subjects: Botany, Chemistry, Geology, Mathematics, Physics, Statistics, Zoology, or in any other subject approved by the Head of Department.

(b) For a candidate seeking admission to the Honours School at the end of his or her third year after matriculation, structure of course of study as specified for entry at the end of the second year: 24 credits from papers 21.300-21.388.

In special cases, with the approval of the Head of the Department of Geology, papers at an advanced level in any other subjects may be substituted for any of the above, provided that the candidate has gained at least 12 credits from Geology Stage III papers.
The student shall follow one year's course of study approved by the Head of Department of Physiology and carry out an

Physiology Honours Part IV

(b) at least 12 Stage III credits from Biochemistry, Cellular and Molecular Biology, Chemistry, Pharmacology, Physics, or

(a) 67.301, 67.302 and 67.303 and

Not fewer than 24 credits in Stage III papers approved by the Head of Department of Physiology. Part III shall consist of:

(b) For a candidate seeking admission to the Honours School at the end of the third year after matriculation, a total of 96 credits

Applied Geology Prerequisites

(a) For a candidate seeking admission to the Honours School at the end of the second year after matriculation: Geology papers
totalling at least 24 credits and at least 18 credits from papers in any of the following subjects:

Chemistry, Computer Science, Geomechanics, Mathematics, Mineral Engineering, Physics, Statistics or any other subject

Mathematics Prerequisites

(a) For a candidate seeking admission to the Honours School at the end of his or her second year after matriculation a total of

Mathematics Honours Part IV

(Three papers together with practical work and thesis.)

The student shall follow one year’s course of study approved by the Head of the Department of Geology and carry out an original

investigation on an approved topic. The examination shall consist of three papers prescribed for the Degree of Master of Science

(21.401 to 21.450 but not 21.484 or 86.404) and a thesis (21.603) embodying the results of the investigation which shall be
equivalent to one paper. The thesis shall be delivered to the Registrar at the beginning of the second half of the second term.

Mathematics Honours Part III

(Three papers together with practical work and thesis.)

Part III shall consist of papers approved by the Head of the Department of Mathematics totalling 24 credits and including such

Mathematics, Chemistry, Computer Science, Physics, Statistics, or in any other subject approved by the Head of the Department of Mathematics provided that prerequisite papers, together with the papers selected for Part III, will enable the candidate to attain a level equivalent to the prerequisite for entry to Part IV.

(b) For a candidate seeking admission to the Honours School at the end of his or her third year after matriculation:

Mathematics 26.252 or equivalent papers approved by the Head of Department of Mathematics, at least one of 528.280, 528.281, 7528.281, or

26.280, 26.281 before 1993, plus twenty 300 or 400 level credits approved by the Head of the Department of Mathematics. Normally at least 16 of those 20 credits shall be from papers in Mathematics but 12 credits in Mathematics may be approved in special cases.

Mathematics Honours Part III

(24 credits in papers approved by the Head of the Department of Mathematics.)

Part III shall consist of papers approved by the Head of the Department of Mathematics totalling 24 credits and including such

Mathematics papers as will enable attainment of a level equivalent to the prerequisites for entry to Part IV.

Mathematics Honours Part IV

(20 credits in papers approved by the Head of the Department of Mathematics.)

Part IV shall consist of 20 credits, at least 12 credits of which shall be from Mathematics 26.400 to 26.499. The remaining credits may be selected with the approval of the Heads of the Departments concerned from relevant Masters papers in the subjects Computer Science, Physics, Statistics (one paper counting as 4 credits) and/or papers prescribed for the degree of Master of Engineering (one paper counting as 2 credits for this Degree.)

Physiology Prerequisites

(a) For a candidate seeking admission to the Honours School at the end of the second year after matriculation, a total of 72 credits from papers that may be credited to the BSc degree, including at least 6 credits from Physics and up to 12 credits from Computer Science, Mathematics (Applied), or Mathematics (Pure), Statistics, provided that these prerequisite papers, together with the papers selected for Part III, will enable the candidate to attain a level equivalent to the prerequisite for entry to Part IV.

(b) For a candidate seeking admission to the Honours School at the end of the third year after matriculation, a total of 96 credits from papers that may be credited to the BSc Degree, including at least 6 credits from Physics and up to 12 credits from Computer Science, Mathematics (Applied), or Mathematics (Pure), and Physiology 67.301, 67.302 and 67.303 together with 12 additional Stage III credits from Biochemistry, Cellular and Molecular Biology, Chemistry, Pharmacology, Physics, Statistics, or Zoology.

Physiology Honours Part III

Not fewer than 24 credits in Stage III papers approved by the Head of Department of Physiology. Part III shall consist of:

(a) 67.301, 67.302 and 67.303 and

(b) at least 12 Stage III credits from Biochemistry, Cellular and Molecular Biology, Chemistry, Pharmacology, Physics, or

Zoology.

Physiology Honours Part IV

(Three papers together with practical work and a thesis)

The student shall follow one year's course of study approved by the Head of Department of Physiology and carry out an
investigation of an approved topic. The examination shall consist of three papers prescribed for the Degree of Master of science and a thesis (67.603) embodying the results of the investigation which shall be equivalent to one paper. The thesis shall be delivered to the registrar at the end of the third term.

**Psychology Prerequisites**

(a) For a candidate seeking admission to the Honours School at the end of the second year after matriculation, Psychology papers totaling 24 credits. In addition, candidates must have sufficient credits to enable them to have obtained 96 credits from appropriate papers in subjects prescribed for the BSc Degree by the completion of Part III.

(b) For a candidate seeking admission to the Honours School at the end of the third year after matriculation, a total of 96 credits from the subjects prescribed for the BSc Degree including at least 20 credits at the 300 level, of which at least 16 shall be from papers in Psychology.

**Psychology Honours**

The Psychology Honours Degree shall consist of not fewer than 40 credits in Psychology, including 32.306 and 32.603, the remainder to be selected from papers 32.300 to T32.363 and from papers 32.400 to 32.432 (excluding 32.420), each 400 level paper and the thesis (32.603) carrying 4 credits.

**Psychology Honours Part III**

( Psychology papers totalling not fewer than 16 credits.)

Part III shall consist of 300 level papers in Psychology totalling not less than 16 credits and including 32.306.

**Psychology Honours Part IV**

(Not fewer than 16 credits in Psychology, including practical work and a thesis.)

Part IV shall consist of not fewer than 16 credits in Psychology, including papers selected from 32.400 to 32.432 (excluding 32.420) and a thesis embodying the results of an original investigation (32.603) which shall have the value of 4 credits. Students who have not passed 32.306 are required to take 32.419.

**Sports Science Prerequisites**

A candidate seeking admission to the Honours School must have completed all the requirements as prescribed under Regulation 3(d) of the BSc Degree.

**Sports Science Honours Part IV**

Part IV shall consist of papers T711.401 and a thesis T711.603 which shall count as one paper, plus two additional papers from T711.402, T711.403, T711.404, T711.405, T711.406.

**Statistics Prerequisites**

(a) For a candidate seeking admission to the Honours School at the end of his or her second year after matriculation a total of 72 credits from the following subjects:

- Statistics, Mathematics, Computer Science, or in any other subject approved by the Head of the Department of Statistics provided that the prerequisite papers, together with the papers selected for Part III, will enable the candidate to attain a level equivalent to the prerequisite for entry to Part IV.

(b) For a candidate seeking admission to the Honours School at the end of his or her third year after matriculation:

- Statistics 528.280, Mathematics 26.252 or 26.231 (or equivalent papers approved by the Head of Department of Statistics or, 26.280, 26.220, or 26.221 or 26.222, and 26.240 or 26.241 before 1995), plus twenty 300 or 400 level credits approved by the Head of the Department of Statistics. At least 12 of these 20 credits shall normally be from papers in Statistics.

**Statistics Honours Part III**

(24 credits in papers approved by the Head of the Department of Statistics.)

Part III shall consist of papers approved by the Head of the Department of Statistics totalling 24 credits and including such Statistics papers as will enable attainment of a level equivalent to the prerequisites for entry to Part IV.

**Statistics Honours Part IV**

(20 credits in papers approved by the Head of the Department of Statistics.)

Part IV shall consist of 20 credits, and shall include the project 528.499 worth two credits and at least 12 credits from Statistics 528.400 to 528.499.

The remaining credits may be selected with the approval of the Heads of the Departments concerned from relevant Masters papers in the subjects Mathematics, Operations Research, Computer Science, and those which offer papers with a statistical component (e.g. Biological Sciences, Social Sciences, Commerce and Engineering) Here a paper from the degree of Master of Engineering will count as two credits.

17. The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

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**THE DEGREE OF BACHELOR OF OPTOMETRY BOptom**

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their course of study students are referred to the Enrolment and Course Regulations (General) and the Examination Regulations.

**General Provisions**

1. (a) Subject to the Admission Regulations and except as otherwise provided in these regulations, a candidate for the Degree of Bachelor of Optometry shall be required to pursue a course of study of not less than four years.

   (b) A candidate shall pass the Examinations for Parts I, II, III and IV.

2. A candidate shall follow a course of study for the Optometry Examinations continuously. Interrupted study may be resumed only with the approval of the Senate and on such conditions as the Senate may determine.

**Practical Work Requirements**

3. In any paper that includes practical or clinical work and written work:

   (a) a candidate must obtain passes in both the practical or clinical work and the written work in order to pass the paper as a whole;

   (b) a candidate who is awarded a pass in the practical or clinical work but who fails the written work may, with the permission of the Head of Department, have the result for the practical or clinical work carried forward to a subsequent year.

**Examinations**

4. A candidate shall be required to pass each part of the course of study:

   Provided that where a candidate fails to pass a Part as a whole he or she may at the discretion of the Senate be credited with a paper or papers of that Part, and be permitted in a subsequent year to present the paper or papers not so credited, together with a paper or papers of the next succeeding Part.
5. A candidate required to repeat any Part II or Part III paper may also be required to undertake such additional practical or clinical work as the Head of Department of Optometry determines.

Exemptions
6. (a) The Senate may in such exceptional cases as it thinks fit approve a personal course of study which does not conform to the foregoing Regulations.
   (b) Every application for approval under this regulation shall be submitted by the candidate in writing to the Registrar.

Transitional
7. A candidate whose course was begun under the Regulation set forth in The University of Auckland Calendar for 1994 shall complete the course under those Regulations but, where required by the Senate, with such substitute papers as it may determine.
8. These Regulations shall come in force on 1 January 1995.

Course Content
9. The examinations and subjects for this Degree are:
   Part I
   07.111 Computing and Computer Applications
   39.104 Biology for Biomedical Science
   744.101 Geometrical and Physical Optics
   744.104 Introduction to Biochemistry
   744.105 Ocular Anatomy and Physiology
   744.110 Visual Science I
   744.120 Visual Optics
   Part II
   744.206 Applied Optics
   744.207 Pharmacology
   744.211 Visual Science II
   744.222 General Pathology and Microbiology
   744.231 Optometry I
   744.232 Optometry II
   744.234 Diseases of the Eye
   Part III
   744.315 Community Optometry
   744.325 General Optometric Practice
   744.326 Diseases of the Eye
   744.335 Contact Lens Practice
   744.336 Geriatric Optometry and Low Vision Practice
   744.337 Paediatric Optometry and Visual Training
   744.338 Practice Management
   Part IV
   744.401 Advanced Clinical Optometry I (4 papers)
   744.402 Advanced Clinical Optometry II (2 papers)
   744.441 Project

THE DEGREE OF BACHELOR OF SCIENCE EDUCATION BScEd

The Bachelor of Science Education is an Inter-Faculty offering. For detailed Regulations and Prescriptions refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

THE DEGREE OF BACHELOR OF TECHNOLOGY BTech

The Bachelor of Technology is an Inter-Faculty offering. For detailed Regulations refer to the Inter-Faculty Degrees and Diplomas section of this Calendar. Prescriptions for individual papers may be found in the Prescriptions for the Degrees of BCom, BE and BSc in the appropriate sections of this Calendar.

DEGREE OF MASTER OF SCIENCE MSc

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General) and the Examination Regulations.

Prerequisites
1. (a) Subject to the Admission Regulations, a candidate for the Degree of Master of Science, before enrolment for the Degree:
   (i) shall (subject to Regulation 2) have been admitted (or have qualified for admission to) any of the following qualifying degrees:
      Bachelor of Science (Honours); or
      Bachelor of Science; or
      Bachelor of Optometry; or
      shall have attained any other qualification approved by the Senate as equivalent to a qualifying degree; and
   (ii) shall (subject to Regulation 3) have fulfilled the further prerequisites in the Schedule to these Regulations.
   (b) For the purpose of these Regulations, candidates for this Degree are classified according to their qualifying Degree (or equivalent qualification) and are referred to accordingly as:
      'BSc(Hons) candidates for this Degree'
      'BSc candidates for this Degree'
      'BOptom candidates for this Degree'.
   (c) For the purpose of these Regulations Medical Science will be treated as a subject offered for this Degree. For this subject the role of the Head of Department in these Regulations will be taken by the Chairman of the Committee for the MSc in Medical Science.
(d) For Biological Sciences, the role of the Head of Department in these Regulations will be taken by the Director of the School of Biological Sciences.

Schedule

The further prerequisites are (subject to Regulation 3):

(a) For BSc(Hons) candidates for this Degree:
   a pass in the final BSc(Hons) year in the subject offered for this Degree.
(b) For BOptom candidates for this Degree:
   a pass, with an average grade of C+ or better, in the Year IV of the course for the Degree of Bachelor of Optometry.
(c) For BSc candidates for this Degree:
   a pass, with an average grade of C+ or better in all Stage III BSc papers, in appropriate prerequisite subjects, as follows:
   
   **Applied Geology**
   24 Stage III credits including at least 12 from Geology.

   **Biological Sciences**
   18 Stage III credits, including at least 12 Stage III credits from Botany 06.313 to 06.371 and/or Zoology 38.303 to 38.320 and/or Biological Sciences 39.311, 39.314 and/or Cellular and Molecular Biology 40.303 to 40.305 and/or Biochemistry 66.301, 66.302.

   **Chemistry**
   08.210, 08.220, 08.230, 08.260 and 18 Stage III credits, including at least 12 credits from Chemistry 08.310-08.340, 08.360-08.391.

   **Computer Science**
   At least 20 credits at 300 or 400 level, of which at least 16 shall be from papers in Computer Science.

   **Environmental Science**
   18 Stage III credits including at least 12 Stage III credits from the list of subjects specified under BSc regulation 2 (a).

   **Geography**
   At least 16 Stage III credits, including at least 12 Stage III credits from Geography.

   **Geology**
   24 Stage III credits, including at least 12 Stage III credits from Geology, and up to 12 Stage III credits from other papers approved by the Head of the Department.

   **Mathematics**
   Mathematics 26.252 or equivalent papers approved by the Head of the Department, at least three (or, in exceptional cases, two) of 26.225, 26.260, 528.280, 528.281, 528.293, T528.281, T528.293, (26.280 or 26.287 or 26.287 or 26.293 or 26.293 before 1995), plus sixteen, 300 or 400 level credits approved by the Head of the Department of Mathematics including at least 12 credits in Pure or Applied Mathematics.

   **Medical Science**
   18 Stage III credits including at least 12 from the following subjects: Biochemistry, Cellular and Molecular Biology, Pharmacology, Physiology, Psychology, Zoology and such prerequisites as may be required for specific papers.

   **Pharmacology**
   18 Stage III credits including 12 from Pharmacology.

   **Physics**
   Physics 31.325 (4 credits) and at least 8 credits from Physics 31.326-389; at least 6 credits from the laboratory papers Physics 31.390-393; and at least 4 other credits from Stage III papers in Physics or Mathematics.

   **Psychology**
   18 Stage III credits including Physiology 67.301, 67.302 and 67.303, and at least 6 Stage III credits from Biochemistry, Cellular and Molecular Biology, Pharmacology, Psychology, Zoology, or other papers approved by the Head of the Department.

   **Statistics**
   20 Stage III credits, including 32.306 and 12 other Stage III credits in Psychology.

   **Mathematics**
   18 Stage III credits including 12 from Mathematics.

   **Computer Science**
   24 Stage III credits, including at least 12 Stage III credits from Computer Science.

   **Chemistry**
   08.210, 08.220, 08.230, 08.260 and 18 Stage III credits, including at least 12 credits from Chemistry 08.310-08.340, 08.360-08.391.

   **Mathematics**
   Mathematics 26.252 or equivalent papers approved by the Head of the Department, at least three (or, in exceptional cases, two) of 26.225, 26.260, 528.280, 528.281, 528.293, T528.281, T528.293, (26.280 or 26.287 or 26.287 or 26.293 or 26.293 before 1995), plus sixteen, 300 or 400 level credits approved by the Head of the Department of Mathematics including at least 12 credits in Pure or Applied Mathematics.

   **Physics**
   Physics 31.325 (4 credits) and at least 8 credits from Physics 31.326-389; at least 6 credits from the laboratory papers Physics 31.390-393; and at least 4 other credits from Stage III papers in Physics or Mathematics.

   **Statistics**
   Statistics 528.280, Mathematics 26.252 or 26.231 (or equivalent papers approved by the Head of the Department of Statistics or, prior to 1995, 26.280, 26.220 or 26.221 or 26.222, and 26.240 or 26.241), plus twenty 300 or 400 level credits approved by the Head of the Department of Statistics.

   At least twelve of these twenty credits shall normally be from papers in Statistics.

**Enrolment with Incomplete BSc**

2. With the approval of the Head of Department, a candidate may enrol for this Degree after having gained at least 90 credits for the Degree of Bachelor of Science, but on the following conditions:

   (a) the candidate’s course for this Degree extends over two academic years;

   (b) the candidate has fulfilled the prerequisites in the Schedule to Regulation 1 or been exempted from them;

   (c) the remaining paper or papers for the Degree of Bachelor of Science are taken in the first year of the course for this Degree;

   (d) if any remaining paper for the Degree of Bachelor of Science is not passed in the first year of the Master of Science course, the Master’s course shall be suspended until that paper is passed.

**Variation of or Exemption from Prerequisites**

3. In any special case recommended by the Head of Department, the Senate may at its discretion:

   (a) vary in any way; or

   (b) exempt the candidate wholly or partly from the appropriate prerequisites in the Schedule to Regulation 1; and may accept a lower average grade than C+ in the prerequisites in paragraphs (b) and (c) of that Schedule.

**General Provisions**

4. Papers shall be taken in either the first or the second year or spread over two years according to the requirements of the Department or school.

5. (a) A candidate for this Degree may, where appropriate, with the permission of the Heads of Departments concerned and with the approval of the Senate, substitute for papers in the subject in which the Degree is being taken papers of equivalent rating in an allied subject or subjects, provided that the total rating of the substituted papers does not exceed one third of the paper component of the Degree.

   (b) In special cases recommended by the Heads of Departments concerned and approved by the Senate, a candidate may take an approved selection of papers from two subjects leading to a Master of Science Degree in both subjects jointly.

   (c) The combination of papers taken for the subject Medical Science must be approved by the Chairman of the Committee for the MSc in Medical Science. Papers offered in more than one aspect of Medical Science may be approved.

   (d) The combination of papers taken for the subject Environmental Science must be approved by the Director of Environmental Science of the Faculty of Science.

6. Every candidate for this Degree shall be required to pass the prescribed papers and to present a thesis where that is prescribed by Regulation 10; except that a thesis only may, with the permission of the Senate, on the recommendation of the Head of Department, be presented:

   (a) by a BSc(Hons) candidate eligible for this Degree;

   (b) by a candidate who has received (or who is to receive) a diploma in a science subject at the graduate level; on condition (in either case) that the candidate fulfills any special requirements set by the Head of Department.

   (c) by BOptom candidate eligible for this degree.
Thesis Requirements
7. Where a thesis is required the following conditions shall apply:
   (a) The Senate shall appoint a supervisor for the candidate upon the recommendation of the Head of Department.
   (b) The thesis shall embody the results obtained by the candidate in an investigation in some branch of the subject.
   (c) In the case of a thesis requiring laboratory work, that work shall be carried out within the University; but the Senate may permit a candidate to carry out the work in an approved institute outside the University for such limited period or periods as may be necessary.
   (d) The candidate shall submit the thesis to the Registrar by the date prescribed in Regulation 9.
   (e) In the subject Computer Science, candidates are required to present a seminar on the thesis and/or submit to an oral examination on the thesis, up to three weeks after submission of the thesis. The Head of Department may waive all or part of this requirement.
   (f) In the subject of Environmental Science, candidates are required to submit to an oral examination on the thesis, after submission of the thesis. The Director of Environmental Science may waive this requirement.

Honours
8. (a) There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions, First Division and Second Division.
   (b) Candidates who have completed the full requirements for this Degree in accordance with Regulation 10 are eligible for the award of Honours, except that a BSc(Hons) candidate for this Degree may not be awarded Honours in the Master's Degree in the same subject.
   (c) The Degree may be awarded with Distinction to any:
      (i) BSc(Hons) candidate for this Degree; or
      (ii) any candidate who has taken this Degree under exception (b) to Regulation 6; where the candidate has achieved a standard equivalent to First Class Honours.
   (d) Honours shall not be awarded in a particular subject to any candidate who enrolled for and failed to qualify for admission to the Degree of Bachelor of Science (Honours) in that subject. Such a candidate may be awarded the Degree with Distinction if a standard equivalent to First Class Honours has been achieved.
   (e) Honours shall be awarded if a candidate obtains a sufficient standard in the papers and thesis; but (subject to Regulation 9) a candidate who qualified for an aegrotat or compassionate pass may retain eligibility for Honours by applying:
      (i) for an aegrotat or compassionate pass in one paper (or two papers for a course involving five or more papers), or
      (ii) to rest all the papers affected, or
      (iii) for a pass or passes under (i) and to resit the remaining papers affected under (ii).

Note: In order to be eligible for Honours or a Degree with Distinction the candidate must complete all requirements for the Degree within the time limit specified in Regulation 9.

Time Limits
9. (a) The requirements for this Degree in Regulation 10 shall be completed:
   (i) in the subjects Geography and Mathematics by 1 November of the second year of enrolment;
   (ii) in every other subject, within 24 months of the candidate's first enrolment.
   (b) Notwithstanding the requirements of Regulation 9 (a), a candidate with other demanding responsibilities may fulfil the requirements for this Degree within 36 months of first enrolment for the Degree, with eligibility for Honours or Distinction, the individual course of study being determined at or before first enrolment by the Senate on the recommendation of the Head of Department.
   (c) In respect of all candidates the Senate may in a special case, on the recommendation of the Head of Department, grant the candidate:
      (i) a time extension of three months, with continued eligibility for Honours or Distinction;
      (ii) a further time extension of nine months, the candidate being no longer eligible for Honours or Distinction.
   (d) In exceptional circumstances the Senate may, on such written or other evidence as it requires, at its discretion grant a reasonable extension of time to a candidate for medical or compassionate or other compelling reasons. The extension may be granted:
      (i) whether or not there has been any extension under paragraph (c) of this Regulation; and
      (ii) with or without continued eligibility for Honours or Distinction.
   (e) A candidate taking this Degree by thesis only shall submit the thesis within 18 months of first enrolment; but the time may be extended under paragraphs (c) and (d) of this Regulation.

List of Subjects
10. The subjects of examination and relative requirements as to theses for this Degree, together with the prescription numbers relative to each examination paper, are as follows:

**Applied Geology**
- Three papers and a thesis 21.611 which shall count as three papers. One paper only from any three of the following five groups 21.408; (21.471 to 21.478); 21.484; 86.404; and any one approved paper listed in the ME Schedule.

**Biological Sciences**
- Three papers, selected from Biological Sciences 39.461 to 39.483, and a thesis (Biological Sciences 39.601) which shall count as three papers. The papers selected shall form a coherent course of study as approved in each case by the Director.

**Chemistry**
- Five papers and a thesis 08.601 which shall count as four papers (08.450 plus four papers from 08.410-08.460).

**Computer Science**
- Papers totalling 24 credits and a thesis 07.601 which shall count as 24 credits or papers totalling 24 credits and an advanced course of study 07.605 which shall count as 24 credits. Normally the papers will be selected from Computer Science 07.400 to 07.499. This selection of papers must be approved by the Head of Department of Computer Science.

**Environmental Science**
- A thesis 64.601 which shall count as half the overall weight, and papers as specified below. The papers are:
   (i) Environmental Science 64.401 and
   (ii) at least two papers selected from the list of subjects specified in MSc reg 10 and/or Masters papers selected from other Faculties, which for the purpose of this regulation count as subjects in the Faculty of Science. The total number of papers selected depends upon their equivalent weight. In combination with paper 64.401 the sum of the equivalent weights should total the paper requirements of the joint degree subject. Paper 64.401 is equivalent to one third of the combined weights and
Transitional Regulations for Biochemistry, Botany, Cellular and Molecular Biology, and Zoology

11. (a) The course of each candidate shall be governed by these Regulations. The Regulations governing the Degree of Master of Science published in the University of Auckland Calendar for 1994 ("The 1994 Degree Regulations") are revoked subject to provision (b) of this regulation.

(b) A candidate who, in or before 1994, was enrolled for the Degree of Master of Science in these subjects under the 1994 Degree Regulations but has not completed that Degree, may elect either:

(i) to complete the Degree of Master of Science under those Regulations, provided the Degree is completed by the end of February 1996, or in the case of students enrolled under Regulation 9(b) by the end of February 1997; or

(ii) to complete the Degree of Master of Science under these current Regulations, in which case a candidate who has completed any paper prescribed in Regulation 10 of the 1994 Degree Regulations shown in the column headed ‘Corresponding Papers’ below shall be deemed to have completed the corresponding paper shown in the column headed ‘Corresponding Papers’.

1994 Degree Regulations

<table>
<thead>
<tr>
<th>Subject</th>
<th>Corresponding Papers 1995</th>
</tr>
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<tbody>
<tr>
<td>06.412/38.412 Conservation Biology</td>
<td>39.461 Conservation Biology</td>
</tr>
<tr>
<td>06.402 Selected Topics in Botany</td>
<td>39.462 Selected Topics in Botany</td>
</tr>
<tr>
<td>06.410 Plant Ecology</td>
<td>39.463 Plant Ecology</td>
</tr>
<tr>
<td>06.420 Plant Physiology &amp; Biochemistry</td>
<td>39.464 Plant Physiology &amp; Biochemistry</td>
</tr>
<tr>
<td>06.430 Plant Pathology</td>
<td>39.465 Plant Pathology</td>
</tr>
<tr>
<td>06.450 Developmental Botany, Pure &amp; Applied</td>
<td>39.466 Developmental Botany, Pure &amp; Applied</td>
</tr>
<tr>
<td>06.460 Plant Systematics &amp; Genetics</td>
<td>39.467 Plant Systematics &amp; Genetics</td>
</tr>
<tr>
<td>38.401 Evolution</td>
<td>39.468 Genes, Behaviour &amp; Evolution</td>
</tr>
<tr>
<td>38.403 Chronobiology</td>
<td>39.469 Chronobiology</td>
</tr>
<tr>
<td>38.405 Entomology &amp; Pest Management</td>
<td>39.470 Entomology &amp; Pest Management</td>
</tr>
<tr>
<td>38.406 Antarctic &amp; Sthn Oceans Ecosystems &amp; Env.</td>
<td>39.471 Antarctic &amp; Sthn Oceans Ecosystems &amp; Environment</td>
</tr>
<tr>
<td>38.407 Community Ecology</td>
<td>[to be deleted] in 1995</td>
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<tr>
<td>38.408 Marine Ecology</td>
<td>39.472 Marine Ecology</td>
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<tr>
<td>38.409 Zoophysiology</td>
<td>39.473 Zoophysiology</td>
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<tr>
<td>38.410 Morphogenesis</td>
<td>39.474 Molecular Aspects of Development</td>
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<tr>
<td>38.413 Special Topic</td>
<td>39.476 Special Topic</td>
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<tr>
<td>38.414 Data Collection &amp; Analysis</td>
<td>39.477 Data Collection &amp; Analysis</td>
</tr>
<tr>
<td>40.401 Cellular &amp; Molecular Biology</td>
<td>Deleted in 1995</td>
</tr>
</tbody>
</table>
Lectures and laboratories as for papers 39.101. This paper is timetabled for the second half of the year.

Seed plants. The focus is on whole organisms and their diversity. Detailed treatment of the development of vertebrate systems and physiology. Animal and plant groups are treated from the standpoint of their differing levels of organisation, with a more detailed treatment of the development of vertebrate systems and seed plants. The focus is on whole organisms and their diversity. Lectures and laboratories as for papers 39.101. This paper is timetabled for the second half of the year.

DEGREE COURSE PRESCRIPTIONS

AVIATION SCIENCE

712.211 Human Factors in Aviation
Introduction to visual physiology. Fundamentals of aviation psychology. Elements of cognitive science relating to aviation. Basic social and organisational psychology.

712.221 Aviation Science 1
Principles of meteorology. The aviation environment. Introduction to classical fluid dynamics.

712.321 Aviation Science 2
Introduction to the mechanics of flight. A selection of topics on aircraft aerodynamics, performance, stability, structures and materials.

SCHOOL OF BIOLOGICAL SCIENCES

Stage I Papers
The three papers 39.101, 39.102 and 39.103 provide for general advancement to Stage II papers in the Biological Sciences. Paper 39.100 presents aspects of pure and applied biology to students who wish to study biology but who are majoring in other subject areas, and is restricted against any other paper in Biological Sciences. Paper 39.104, with a human and biomedical emphasis, caters for a specialised group of students who are advancing in optometry, physiology, B.Tech and other branches of medicine or sports science. All papers emphasise concepts and communication skills. A background familiarity with biology equivalent to sixth form certificate level is assumed.

39.100 Contemporary Issues in Biology
The basic principles of biology are covered in a core of lectures which in turn leads to a series of modules which deal with contemporary issues such as immunology, animal behaviour, Antarctica (life in an extreme environment), sustainability of agricultural systems (including examples from the South Pacific). Different modules may be included as new issues arise. Students are expected to take a strongly questioning approach. This paper consists of four lectures and one seminar/tutorial per week and runs through quarters three and four.

39.101 Central Concepts in Biology
The study of living structures and processes which are common to micro-organisms, animals and plants, at both the cellular and molecular levels. It includes the biochemistry of macromolecules, especially nucleic acids and proteins; enzyme action and catalysis; cellular energetics; genetic principles and mechanisms; and evolution and evolutionary concepts. The paper runs during the first half of the year and includes four lectures and one laboratory per week.

39.102 Diversity of Organisms
An introduction to the five Kingdoms (Monera, Protista, Fungi, Plantae and Animalia), including aspects of phylogenetic groupings, evolutionary history and elements of anatomy and physiology. Animal and plant groups are treated from the standpoint of their differing levels of organisation, with a more detailed treatment of the development of vertebrate systems and seed plants. The focus is on whole organisms and their diversity. Lectures and laboratories as for papers 39.101. This paper is timetabled for the second half of the year.

39.103 New Zealand Biology
An introduction to the diversity of animals and plants in New Zealand including endemic, native and introduced species; biogeographical and evolutionary relationships; community structure and inter-relations; behaviour and ecology; Maori perspectives in biology, as well as current conservation, environmental, social, animal welfare, and economic issues in New Zealand biology. The focus is on whole organisms in their environment. The paper runs across the whole year with two lectures per week. Practical work centres on reports prepared from two field trips (including tutorial time).

T39.103 New Zealand Biology
As prescribed for 39.103. This paper is taught at the Tamaki Campus.

39.104 Biology for Biomedical Science
The biology of mammalian organ systems with particular reference to the locomotor system and an emphasis on the use of human examples. This paper begins with an overview of mammals and primes as a basis for an introduction to human biology. It then focuses on Homo sapiens with particular reference to the locomotor system and additional coverage of energy and metabolism, homeostasis, integration and control, and reproduction and the continuity of life. A final section deals with developments in biomedical technology. This paper runs in the second half of the year, with four lectures and one laboratory per week. It is restricted to students in Sport Science, B.Tech., Otago Health Sciences, Optometry and allied medical sciences.

Stage II Papers
Prerequisites: See BSc Schedule.

T39.102 Diversity of Organisms
As prescribed for 39.102. This paper is taught at the Tamaki Campus.

39.105 New Zealand Biology
As prescribed for 39.103. This paper is taught at the Northland Polytechnic. (N.B. students enrolling in this paper should do so through the Polytechnic, not through Auckland University).

39.104 Biology for Biomedical Science
The biology of mammalian organ systems with particular reference to the locomotor system and an emphasis on the use of human examples. This paper begins with an overview of mammals and primes as a basis for an introduction to human biology. It then focuses on Homo sapiens with particular reference to the locomotor system and additional coverage of energy and metabolism, homeostasis, integration and control, and reproduction and the continuity of life. A final section deals with developments in biomedical technology. This paper runs in the second half of the year, with four lectures and one laboratory per week. It is restricted to students in Sport Science, B.Tech., Otago Health Sciences, Optometry and allied medical sciences.

Stage III Papers

T39.103 New Zealand Biology
As prescribed for 39.103. This paper is taught at the Tamaki Campus.

39.105 New Zealand Biology
As prescribed for 39.103. This paper is taught at the Northland Polytechnic. (N.B. students enrolling in this paper should do so through the Polytechnic, not through Auckland University).

39.104 Biology for Biomedical Science
The biology of mammalian organ systems with particular reference to the locomotor system and an emphasis on the use of human examples. This paper begins with an overview of mammals and primes as a basis for an introduction to human biology. It then focuses on Homo sapiens with particular reference to the locomotor system and additional coverage of energy and metabolism, homeostasis, integration and control, and reproduction and the continuity of life. A final section deals with developments in biomedical technology. This paper runs in the second half of the year, with four lectures and one laboratory per week. It is restricted to students in Sport Science, B.Tech., Otago Health Sciences, Optometry and allied medical sciences.

Prerequisites: See BSc Schedule.

T39.102 Diversity of Organisms
As prescribed for 39.102. This paper is taught at the Tamaki Campus.

39.105 New Zealand Biology
As prescribed for 39.103. This paper is taught at the Northland Polytechnic. (N.B. students enrolling in this paper should do so through the Polytechnic, not through Auckland University).

39.104 Biology for Biomedical Science
The biology of mammalian organ systems with particular reference to the locomotor system and an emphasis on the use of human examples. This paper begins with an overview of mammals and primes as a basis for an introduction to human biology. It then focuses on Homo sapiens with particular reference to the locomotor system and additional coverage of energy and metabolism, homeostasis, integration and control, and reproduction and the continuity of life. A final section deals with developments in biomedical technology. This paper runs in the second half of the year, with four lectures and one laboratory per week. It is restricted to students in Sport Science, B.Tech., Otago Health Sciences, Optometry and allied medical sciences.

Stage III Papers
Prerequisites: See BSc Schedule.
encompasses the basic structures of biomolecules, the evolution and structure of cells and their organisation into tissues and organs. It then proceeds to a study of the nucleus, chromosome structure and genome organisation, the regulation of gene expression, and DNA, RNA and protein synthesis. This is then extended to cover recombinant DNA technology, the production of transgenic organisms, and the applications and limitations of gene therapy. Further material covers aspects of functional cellular processes including meiosis, recognition, adhesion, motility, endocytosis and communication. A final section deals with mechanisms of development, cellular and molecular aspects of cancer, and the basis of immunity. Examples from micro-organisms, plants and animals are included.

39.202 Genetics
Genetic analysis provides a unique and powerful tool for the examination of living systems at all levels from the molecular to the organismal. The basic principles of mutation and recombination, including genetic mapping, are established in this paper with reference to procaryotic systems. These principles are then extended to eucaryotic organisms, using human examples where possible. Other topics examined include the complexities of eucaryotic genome structure and the use of genetic tools for the analysis of biological development, population structure and evolution. Laboratory work focuses on the use of molecular and microbial material and Drosophila to explore the key features of heredity.

39.203 Biochemistry
The main aspects of a stand-alone course in basic biochemistry are provided by this paper. At the same time it is designed to complement 39.201, and students advancing in cellular and molecular aspects of biology within the School of Biological Sciences should normally take both papers. Examples from bacterial, plant, human and other animal biochemistry are included. The first major section, about one-third of the paper, emphasises the central role of proteins in biological processes and their structure, function and synthesis. A large central section is devoted to essential aspects of metabolism, and to biochemical signal transduction, with examples drawn from hormone action, neurochemistry and the biochemistry of vision. A brief final overview integrates these topics and indicates conceptual links to other aspects of biochemistry and cellular and molecular biology.

39.204 Plants: Their Biology and Importance
This paper is designed for students to learn more about the ways that plants function and respond to external stimuli. It concentrates on higher plants because of their importance in agriculture, horticulture and forestry. The first section on differentiation covers the plant cell, meristems, totipotency, the form and function theme is continued in the final section on physiology and response to the environment. This includes material on photophysiology, nutrition, water relations, transport and stress physiology.

39.205 Animal Function and Design
The functional organisation of animals, with particular emphasis on morphological, physiological and behavioural adaptations to their environment. Sensory and central mechanisms involved in spatial orientation are discussed within a control systems framework. The practical course emphasises lower vertebrate morphology and physiological principles using, wherever possible, invertebrate models. It provides an introduction to methods and instrumentation of value to experimental biologists.

39.206 Principles of Ecology
The principles of ecology emphasising those factors which determine the distribution and abundance of organisms are covered in this paper. Special regard is given to the relationships between an organism and its environment, population biology, the role of behaviour, the determinants of population growth and abundance, and the structure and properties of communities. These basic principles are studied in natural communities by way of field courses including the following special areas: marine ecology, terrestrial plant ecology and behavioural ecology. Each student must attend one residential field course in May and three one-day field exercises in term time.

39.207 Principles of Ecology
As prescribed for 39.206. This paper is taught at the Tamaki Campus.

39.208 The Biology of Marine Organisms
The classification, structure and functioning of marine organisms and the occurrence of these within coastal marine communities. The course includes formal laboratories dealing with the morphology, development and lifestyles of representative members of selected phyla, using local examples. The paper is designed to provide an awareness of the detailed complexity of inshore marine organisms and habitats, as a basis for advanced papers in marine ecology, and as a database for conservation values for the coastline.

39.209 Biometry
Most branches of biology now require an understanding of the basic principles of statistics: the design and analysis of experiments and field studies. Topics covered include: distributions, principles of hypothesis testing, standard errors and confidence intervals non-parametric statistics, testing of categories, analysis of variance, regression and correlation, experimental design and sampling. The emphasis is on understanding how the techniques work, computers are used to do the actual calculations. The course is aimed explicitly at non-mathematical students.

Stage III papers

39.320 Pure and Applied Entomology
There are more insect species than all the other life forms together and their impact on food production and as vectors of disease places them in importance above all others. This course provides an introduction to the diversity, biology and importance of insects in ecology and in society. The first part of the course is a systematic review of the diversity of the class providing a good understanding of their structure, classification and evolution. New Zealand examples from a range of habitats provides a broad overview of their significance. The second part of the course focuses on economic aspects of entomology. Beneficial roles in crop pollination and weed control are contrasted with their significances as vectors of disease and pests of crops. Mosquitoes as vectors of a range of diseases are the main focus of the medical entomology. In the section on crop protection modern approaches to pest management are described based on general concepts but using local pest species as examples. The concepts of Integrated Pest Management (IPM) and Ecological Agriculture are used to link the different aspects of pest management into a coherent pattern. Pest damage recognition and impact, estimation of pest density, estimates of costs and returns, description of current practices and their introduction are all considered. Practical work includes both laboratory study and field work. Students wishing to complete a course in plant protection comprising entomology and pathology should take both 39.321 and 39.320.

39.321 Plant Pathology and Microbiology
The major groups of plant pathogenic and symbiotic micro-organisms (fungi, bacteria and viruses) are reviewed, with particular reference to examples of importance in New Zealand and the South Pacific. The principles of disease epidemiology and the measurement, modelling and prediction of disease epidemics are then studied. This is followed by analysis of plant microbial interactions at the cellular and sub-cellular level, mechanisms of pathogenesis and host defence reactions and symbiotic relationships. The commercial application of micro-organisms in agriculture, mycorrhiza and Rhizobium are discussed. Further work includes the control of plant diseases; quarantine, cultural control, chemical control, plant breeding and genetic engineering for disease resistance, biological control. Laboratory classes cover basic techniques for the isolation, culture and study of micro-organisms and specific techniques for the diagnosis, isolation, culture, characterisation and identification of plant pathogens.

39.322 Conservation Ecology and Genetics
An understanding of ecology and genetics as they are applied to the management of living resources and the conservation of species and habitats is provided by this paper. Three objectives of living resource conservation are considered: the maintenance
of essential ecological processes; the sustainable utilisation of species and ecosystems; and the preservation of genetic diversity. Each is considered in the context of the principles of the Treaty of Waitangi and the appropriate acts, especially the Resource Management Act, and illustrated using New Zealand examples. The first objective is related to water supply and wastewater treatment and disposal at Auckland, the second to the sustainability of pastoral farming, forestry and fisheries, the third to endangered species programmes. The conservation of endangered species is discussed in relation to specific management plans, to the genetics of declining and small populations, and to the broader principles of conservation and evolutionary genetics.

The significance of biological timing and migration in the lives of organisms from a variety of lifestyles and taxa, with particular attention to New Zealand examples, is emphasised. Practical work consists of formal laboratories covering methods of data collection, behavioural analysis and testing of a variety of models of spatial and temporal orientation. There are also field studies in which students examine aspects of hypotheses about temporal and spatial orientation. There is a field course at the Leigh Laboratory in the August vacation (see below for dates).


The significance of understanding development and biotechnology is stressed in relation to a range of topics including fruit ripening and storage, flower longevity and the role of plant cell walls (fibre) in nutrition. Specific topics include: the role of plant growth regulators, receptor sites and secondary messengers; the structure, biosynthesis and function of plant cell walls; positional controls in plant development, adventitious root formation and propagation, senescence and abscission, tissue culture, leaf development in native plants, monocotyledonous and dicotyledonous species and the interaction of sensory systems with the environment in which animals live. The effects of eutrophication and pollution on inland waters and estuaries are considered as well as the conservation and management of these systems. To complete the course case studies of development of New Zealand species are looked at including the impacts of human activities. Practical work includes field exercises and a week long field course (see below for dates).

**39.331 Biological Oceanography**

The characteristics of marine environments and communities away from the shores are considered in this paper. It covers global ocean patterns and processes; phytoplankton and primary production, zooplankton and secondary production. Additionally, it focuses on interrelationships and population biology of plankton, nekton, benthos and fisheries. A final section introduces New Zealand marine science research and knowledge. Practical work includes a residential four day class at the Leigh Marine Laboratory, involving sampling and analytical exercises, during the mid-term break (see below for dates).

**39.332 Coastal Marine Ecology and Aquaculture**

Patterns and processes in the ecology of benthic marine organisms, including invertebrates and demersal fishes. Emphasis is placed upon the quantitative description of patterns in distribution and abundance and experimental techniques used to elucidate the causative processes. The conservation and management of shallow water marine systems and the application of ecological principles to the culture of benthic marine organisms are also considered. Particular case studies on a number of New Zealand invertebrate aquaculture industries will be presented. The management of aquaculture and its future directions will also be considered. Practical work includes an obligatory three day field course at Leigh Marine Laboratory during enrolment week and a weekend visit to an aquaculture site (see below for dates).

**39.335 Ecological Physiology**

Ecological Physiology focuses on physiological diversity in relation to the environments in which animals live. The effects of environmental factors on metabolism, respiration, reproductive strategies, and the interaction of sensory systems with the environment are studied to illustrate a fascinating range of adaptations in habitats ranging from polar to tropical, and from the deep sea to high altitude. The practical course is both experimental and analytical principally involving invertebrates and fish. Students will complete the practical course with a good knowledge of experimental techniques, data analysis, and report writing.

**39.336 Biological Clocks and Compasses**

The description and analysis of responses by organisms to environmental stimuli that are predictable in space and time form the focus of this paper. The physical and molecular nature of biological clocks and their synchronisation with environmental cycles over daily, tidal, lunar and annual time scales are examined. The contributions of different sources of environmental information concerning direction and position to successful migration, navigation and homing are investigated.
mechanisms underlying mutation and hence disease, somatic cell therapies and the development of DNA-based diagnostics. The laboratory course serves to reinforce the principles that are described in the lectures.

**39.352 Microbiology and Immunology**

Conventional and molecular approaches to the taxonomy of microbes. Unique biochemical pathways in microbes, including the synthesis of secondary metabolites. Microbial environmental impacts and microbial ecology, particularly in waste water. Water microbiology and renewable resource technology. The structure and synthesis of antibodies and the cellular nature of the immune response. The relationship of the immune response to the activities and strategies of pathogenic organisms. This paper will be taught in 1996.

**39.353 Cellular Regulation, Hormones and Growth**

The regulation of the cellular processes introduced in earlier papers in biochemistry and molecular biology (principally 39.201 and 39.203) are examined in detail in this paper. Regulation at both the nuclear level (gene expression) and of cytoplasmic events is considered. Extracellular signals which activate these events, and which are carried by growth factors and hormones, are considered. The subversion of growth-promoting signals by oncone gene expression is also covered, and these aspects of the paper may be considered as complementary to some of the material in Developmental Biology and Cancer (39.356). Though this paper is principally concerned with higher eukaryotic cells, some microbial biochemistry will also be included.

**39.354 Plant and Animal Molecular Biology**

The basic molecular biology of plant and animal cells is stressed in a range of topics covering immunology, gene expression, and genetic engineering. Specific topics include the structure and synthesis of antibodies, and the cellular nature of the immune response, methods of gene isolation, transcription factors and the control of gene expression, animal viruses as gene vectors, an introduction to gene therapy in humans and genetic engineering of livestock, methods of gene transfer in plants, examples of genetic engineering for crop improvement.

**39.356 Developmental Biology and Cancer**

Molecular, cellular and genetic aspects of normal and abnormal development focusing on a variety of invertebrate and vertebrate model systems including Drosophila, the zebrafish and the mouse. Emphasis is placed on the molecular events underlying the development of body form, the differentiation of specific tissues such as the blood, and the abnormalities of development which contribute to diseases of the body such as cancer.

**T39.391 New Zealand Forest and Island Ecosystems**

Modern concepts in plant and animal biogeography, conservation and ecosystem restoration are covered in this paper. First-year population and community dynamics, disturbance, and patch size phenomena are discussed. Methods of plant community description, and the main forest types and gradients in New Zealand are considered. The interaction of plants and the avifauna is discussed in terms of holocene history, and in the context of conservation. The importance of islands in ecological theory, and as refuges for the endemic biota, are both dealt with. Monitoring and field survey techniques are covered on a week long field course to be held at Pureora in Enrolment week (see below for details).

**T39.392 Ecology, Conservation and Management**

The application of ecological principles to the conservation and management of natural and modified ecosystems. General themes include the maintenance of biodiversity and the sustainable use of living resources. The principles of scientific and project management, and their integration in the integration of conservation into productive landscapes. The theory and practice of wildlife conservation, fisheries management, forestry, and pastoral farming are illustrated by New Zealand and international examples. Topics covered include the biological basis of methods for conserving threatened species and controlling pests, the genetics and viability of small populations, planning for species recovery and ecosystem restoration, setting priorities for conservation action, and designing and managing nature reserves. Current issues in conservation and sustainable management are considered in the context of international conventions (Biodiversity Convention, CITES) and the relevant New Zealand framework (Treaty of Waitangi, Conservation Act, Resource Management Act).

**T39.395 Coastal Marine Ecology and Aquaculture**

As prescribed for 39.332. This paper is taught at the Tamaki Campus.

**Requirements for Practical Work**

Students are required to have laboratory coats for all laboratory courses and dissecting kits for laboratories in animal and plant sciences. Students embarking on field trips need to ensure that they are adequately clothed to meet changing weather conditions.

**Dates of Major Field Courses, 1995**

<table>
<thead>
<tr>
<th>Date</th>
<th>Course Details</th>
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<tbody>
<tr>
<td>39.206/T39.206</td>
<td>14-20 May</td>
</tr>
<tr>
<td>39.330</td>
<td>Second week May Vacation. Weekend trips in term time</td>
</tr>
<tr>
<td>39.331</td>
<td>Four days during 1-9 July</td>
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<tr>
<td>39.332</td>
<td>Four days during enrolment week, 17-24 February</td>
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<tr>
<td>39.336</td>
<td>21-25 August</td>
</tr>
<tr>
<td>39.347</td>
<td>22-26 May</td>
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<tr>
<td>T39.391</td>
<td>Enrolment week (19-24 February)</td>
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**Biological Sciences for BSc(Hons)**

This course requires a fourth year of study involving three papers, selected from Biological Sciences 39.461 to 39.483, and a thesis (Biological Sciences 39.603) which is equivalent to one paper. See under the MSc below for the paper prescriptions. For prerequisites, refer to the Regulations for BSc(Hons) elsewhere in this Calendar. The papers selected shall form a coherent course of study as approved in each case by the Director, School of Biological Sciences. Admission is at the discretion of the Director.

**Biological Sciences for MSc and Honours**

The course involves three papers, selected from Biological Sciences 39.461 to 39.483 (see prescriptions below), and a thesis (Biological Sciences 39.601) which is equivalent to three papers. With special permission, one of the three papers may be substituted by a paper in an allied subject [MSc Regulation 5(a)]. Students should consult the biological supervisor after the completion of the Bachelor's Degree examinations in order to obtain advice on selection of papers and a thesis topic. Final approval must be obtained from the Director who will ensure that each student has selected a coherent course of study. The course is full-time and normally takes 21 to 24 months. Generally, the three papers are taken in the first year of study, and the thesis is completed in the second year. Not all the papers listed will be necessary to complete each year. Where a paper is not available in the first year of a student's enrolment, the student may be taken during the second year at the discretion of the Director. Where appropriate, and with the approval of the supervisor, the thesis work may begin in the vacation before enrolment.

| Prerequisites: Refer to Schedule under MSc Degree Regulations. Although not a prerequisite, it is strongly recommended that students intending to enrol in 39.479-39.481 should have taken a Radiochemistry course such as 08.352 or 08.250. |

**Thesis:** The preparation of a thesis (Biological Sciences 39.601) is a most important feature of the work and a large part of the student's time should be devoted to this aspect of the course. Students should refer to the School's Handbook for Graduate Studies (available by September each year) for a list of possible research topics.

**Papers:** In 1995, the papers previously offered under the subjects Biochemistry, Botany, Cellular & Molecular Biology and Zoology were replaced by one new subject, Biological Sciences, and the papers were re-numbered as follows:

<table>
<thead>
<tr>
<th>Pre-1995 Number &amp; Short Title</th>
<th>New Number</th>
<th>New Short Title</th>
<th>Full Title</th>
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</thead>
<tbody>
<tr>
<td>06.412</td>
<td>38.412 Botany/Zool.</td>
<td>39.461</td>
<td>Biological Sciences Conservation Biology</td>
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<tr>
<td>06.413</td>
<td>39.462 Botanical Sciences Selected Topics in Botany</td>
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<tr>
<td>06.414</td>
<td>39.463 Botanical Sciences Plant Ecology</td>
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<tr>
<td>06.415</td>
<td>39.464 Botanical Sciences Plant Physiology &amp; Biochemistry</td>
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<td>06.430</td>
<td>39.465 Botanical Sciences Plant Pathology</td>
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<tr>
<td>06.450</td>
<td>39.466 Botanical Sciences Developmental Botany, Pure &amp; Applied</td>
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<tr>
<td>06.460</td>
<td>39.467 Botanical Sciences Plant Systematics &amp; Genet</td>
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<tr>
<td>38.401 Zoology</td>
<td>39.468 Biological Sciences Genes, Behaviour &amp; Evolution</td>
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<tr>
<td>38.403 Zoology</td>
<td>39.469 Biological Sciences Animal Biochemistry</td>
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<tr>
<td>38.405 Zoology</td>
<td>39.470 Biological Sciences Entomology &amp; Pest Management</td>
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</table>
38.405 Zoology 39.471 Biological Sciences Antarctic & Southern Oceans Ecosystem & Environment
38.408 Zoology 39.472 Biological Sciences Marine Ecology
38.409 Zoology 39.473 Biological Sciences Zoophysiology
38.410 Zoology 39.474 Biological Sciences Molecular Aspects of Development
38.411 Zoology 39.475 Biological Sciences Aquaculture: Biology, Management & Planning
38.413 Zoology 39.476 Biological Sciences Special Topics Data Collection & Analysis
38.414 Zoology 39.477 Biological Sciences
40.401 CBMB 39.479 Biological Sciences Molecular Genomics
40.402 CBMB 39.480 Biological Sciences Plant & Animal Molecular Biology
40.403 CBMB 39.481 Biological Sciences Advanced Cell. & Mol. Biology for Biomedical Research
40.405 CBMB 39.482 Biological Sciences Recent Advances in Biomolecular Science A
66.401 Biochemistry 39.482 Biological Sciences Recent Advances in Biomolecular Science B
66.402 Biochemistry 39.483 Biological Sciences
66.403 Biochemistry 39.484 Biological Sciences
06.601 Botany 39.461 Biological Sciences Cons. Thesis
38.601 Zoology 39.462 Biological Sciences MSc Thesis
40.601 CBMB 39.463 Biological Sciences
66.603 Botany 39.464 Biological Sciences MSc Thesis
38.603 Zoology 39.465 Biological Sciences BSc(Hons) Thesis
40.603 CBMB 39.466 Biological Sciences
66.602 Botany 39.467 Biological Sciences PhD Thesis
66.602 Biochemistry 39.468 Biological Sciences

39.461 Conservation Biology
The theory and application of conservation for the management of New Zealand's biota. Seminars typically will include topics such as demographic and genetic considerations for managing rare species, pest management, cultural heritage, sustainable management, economic and ethical considerations, and ecologic restoration. A weekend field trip to Titirangi Island is included. Depending on enrolments, seminars may be held on the Tamaki Campus.

39.462 Selected Topics in Botany
A specialist course of study into aspects of current research.

39.463 Plant Ecology
The dynamics of change in vegetation, with emphasis on the effects of climate change worldwide and in New Zealand. Techniques in vegetation reconstruction, assessment and monitoring. Influences of herbivores on plant community structure. Weed invasions. Plant conservation and community restoration in New Zealand. Students will be expected to undertake individual review projects and participate in a field exercise.

39.464 Plant Physiology and Biochemistry
Selected topics (four in total) are decided in consultation with the students.

39.465 Plant Pathology
In depth consideration of selected topics relating to epidemiology, plant pathogen interactions and disease control.

39.466 Developmental Botany, Pure and Applied
A study of contemporary research into aspects of the anatomy, ultrastructure and physiology of plant development.

39.471 Plant Systematics and Genetics
In depth consideration of selected topics in plant classification and cytogenticists.

*39.468 Genes, Behaviour and Evolution
The basic structure and logical framework of contemporary evolutionary theories; the ruling paradigm of neo-Darwinism; the genetic and behavioural processes that underlie evolution; the nature of species; dynamic structures in biology; ways of looking at biology, e.g., functionalism, structuralism.

39.469 Chronology
The study of biological clocks: their adaptive significance, location, chemical nature and mathematical models.

39.470 Entomology and Pest Management
(a) The functional anatomy and reproductive life history strategies that make insects so varied and abundant.
(b) Modern views of pest management leading up to a review of integrated strategies.

*39.471 Antarctic and Southern Oceans Ecosystem and Environment
The tectonics and palaoeclimatology of southern continents, present day ocean circulations and biogeography. Biology of Antarctica and Southern Ocean ecosystems.

39.472 Marine Ecology
Part of the paper is given to a personal reading of recent work on the causes of patterns of abundance. The rest is a formal presentation of selected topics on the study of the pelagics and benthos, separately, and the whole sea as a working system.

39.473 Zoophysiology
Selected topics in comparative physiology emphasising functional design in lower vertebrates.

39.474 Molecular Aspects of Development
The molecular and genetic control of development with particular emphasis on the establishment of body form and the regulation of tissue differentiation. Attention is focussed on a number of model systems including Drosophila and the zebrafish Danio rerio.

39.475 Aquaculture: Biology, Management and Planning
Case studies of fish, invertebrate and algal aquaculture industries in New Zealand, assessment of aquaculture opportunities worldwide, review of general environmental and biological problems important to aquaculture and its management, e.g. maintenance of water quality, control of parasites, development of hatchery technology.

39.476 Special Topic
Consult the School for details.

39.477 Data Collection and Analysis
A series of seminars, workshops, and tutorials applying the principles of Experimental and Sampling Design, and the most frequently used techniques of univariate and multivariate analysis to problems in Biological research. The emphasis will be on case studies and acquiring direct practical experience of these methods. It will be aimed at non-mathematical students.

39.479 Molecular Genetics
The molecular genetics of DNA-protein interactions in regulation and development of prokaryotic and eukaryotic organisms, with emphasis on selected model systems; the molecular genetics of antibody diversity; and current aspects of somatic cell genetics and human molecular genetics with particular reference to inherited diseases and their diagnosis.

39.480 Plant and Animal Molecular Biology
Molecular biology of the eukaryotic cell, with emphasis on plant and animal transgenics; applications of molecular biology to biomedical, horticultural and agricultural industries; molecular biology of the immune response.

39.481 Advanced Cellular and Molecular Biology for Biomedical Research
Selected examples of biomedical research will be discussed, in which cellular and molecular techniques are applied to advance knowledge of disease processes and aimed at finding cures. Topics will overlap biomedical research themes in Auckland.

39.482 Recent Advances in Biomolecular Science A
A selection of contemporary topics in the field of structure and function of important biomolecules and cellular function.

39.483 Recent Advances in Biomolecular Science B
A series of biomolecular topics which complement those taught in 39.482.

39.484 Essay Topics in Biochemistry
Essay topics are chosen from contemporary research areas in the biomedical and biological areas.

39.601 MSc Thesis
Research in Biological Sciences
Research facilities are available for MSc and PhD students in a wide range of topics in biological sciences. Further information may be obtained from the School of Biological Sciences' Guide to Postgraduate Study and Research.

LEIGH LABORATORY
The University's Marine Laboratory provides research facilities for staff and postgraduate students in any branch of marine science. Present work is conducted on the ecology of the superimposed marine flora and fauna, and the primary productivity of the environment, including the biology and taxonomy of shore and shallow water organisms, algal and fish physiology, physical & biological oceanography, and some aspects of applied fisheries. The laboratory also provides facilities for laboratory and field exercises for advanced undergraduate and MSc courses, primarily in conjunction with Biological Sciences, Environmental Science, Geography, and Physics.
The area in the immediate vicinity of the Laboratory is a Marine Reserve, and permission is required to collect specimens. However, there are examples of most types of marine habitat within 10km of the Laboratory, from where samples can be readily collected. There are a number of small boats for work in and around the Reserve, and a 4m inflatable craft for work slightly further afield. The Laboratory’s research vessel, R.V. Proteus, is equipped with diving compressor, winch, radar and accommodation for 6, and is used for offshore work. Facilities for diving are available at the Laboratory, including scuba tanks, air compressor, and some other equipment. Constantly running seawater is pumped through several tankrooms both indoors and outdoors, and a small climate station is maintained. In addition to general laboratory and office space, there are specialised areas for cultivating unicellular algae, computing, photography, biochemical analyses and a small library.

The Laboratory is situated at Goat Island Bay on the east coast, 100km by road north of Auckland. There is on-site bunkroom accommodation for up to 36 students, and 2 self-contained visitors’ cottages. A large kitchen and dining room complex is available to all workers. The Laboratory is managed by a University committee. Enquiries concerning use of the facilities at Leigh should be directed to the Scientist-in-Charge, Dr T.A.V. Rees, P.O. Box 349, Warkworth. (Phone 4226-111, or ext. 5300 or 5301.)

DEPARTMENT OF CHEMISTRY

The courses in Chemistry for the BSc Degree under these regulations are progressive; although prerequisites have not been prescribed more restrictively than necessary, students should bear in mind that familiarity with relevant material from earlier courses is assumed in the later ones.

Preparatory Chemistry (before enrolment)

This course is designed to assist prospective students who do not have a strong background of chemistry, or who intend enrolling in first-year chemistry courses after some years away from formal study. It will revise the basic principles of chemistry (at around Form 6 - Form 7 level) and will involve lectures, laboratories, tutorials, and computer-assisted learning. It will hence provide a background to enrolment in 08.111, 08.121, T08.170 and T08.717. No credit is given towards the BSc degree. The course begins on Monday 6 February and concludes on Tuesday 14 February. Contact the Department of Chemistry for further information. Registration will be accepted up to 31 January 1995. A fee of $100.00 will be charged.

First Year Courses

08.111 Organic and Physical Chemistry

Structure, properties and spectra of organic compounds, acid-base equilibria, kinetics, systematic organic chemistry.

Lectures: Students will attend two lectures a week. Four tests will be held outside lecture hours.

Laboratories: Students will attend 12 3-hour practical classes held on alternate weeks during the year. No student may enter the laboratory unless wearing an approved form of eye protection. A pass in both theory and practical is necessary. The final grade is assessed from theory (80%) and practical (20%). Theory comprises tests 24%, final examination (56%).

08.121 Inorganic and Physical Chemistry

Atomic structure, the molecular structure and reactions of selected elements and their compounds. Chemical bonding, energetics, equilibria and electrochemistry.

Lectures: Students will attend two lectures a week. Four tests will be held outside lecture hours.

Laboratories: Students will attend 11 3-hour practical classes held on alternate weeks during the year. No student may enter the laboratory unless wearing an approved form of eye protection. A pass in both theory and practical is necessary. The final grade is assessed from theory (80%) and practical (20%). Theory comprises tests 24%, final examination 56%.

T08.170 Chemistry and Our World

This paper provides an introduction to chemistry of environmental processes. Topics will include molecular structure and bonding, equilibria, kinetics, electrochemistry, and relevant physical and inorganic chemistry together with basic organic chemistry. Case studies relating to air, water and soil and industrial activities will also be included. The paper is part of the Chemistry BSc degree programme and the BSc programme in Environmental Management at Tamaki Campus.

Lectures: Students will attend two lectures a week. Two tests will be held inside lecture hours.

Practical work: Students will be expected to attend 8 laboratory sessions, 2 field trips and to complete 3 computing assignments. No student may enter a laboratory unless wearing a laboratory coat and an approved form of eye protection. A pass in both theory and practical is necessary. The final grade is assessed from tests 20%, practical 20%, and final examination 60%; or practical 20%, final examination 80%; whichever is to the student’s advantage.

T08.171 Chemistry and the Biosphere

This course provides an introduction to chemical topics and their relationship to biological processes, with a strong emphasis on organic and biopolymer chemistry. It is part of the Chemistry BSc degree programme and contributes to the Sports Science degree at Tamaki Campus.

Lectures: Students will attend two lectures a week. Two tests will be held inside lecture hours.

Practical work: Students will be expected to attend 8 laboratory sessions, 2 field trips and to complete 3 computing assignments. No student may enter a laboratory unless wearing an approved form of eye protection. A pass in both theory and practical is necessary. The final grade is assessed from tests 20%, practical 20%, and final examination 60%; or practical 20%, final examination 80%; whichever is to the student’s advantage.

Advanced Courses

Familiarity with the relevant material in the first year courses will be assumed.

T08.200 Perspectives in Chemistry

This paper provides an introduction to a variety of topics in chemistry of contemporary interests such as applied organic chemistry, bioinorganic chemistry, and the study of new materials. The paper is descriptive in nature and will make use of demonstrations, slides and films. Three or four lectures will be devoted to each topic and assignments related to the topics will be set. The course which runs throughout the year is examined by continuous assessment.

08.210 Physical Chemistry

This course covers thermodynamics and phase equilibria, spectroscopy including the basis and chemical applications, electrochemistry, kinetics and polymerisation. Practical work consists of experiments in equilibria and thermodynamics, kinetics, molecular spectroscopy, electrode potentials, conductance, surface chemistry and polymer properties. Experience in scientific applications of computers is an integral part of the course.

Lectures: Students will attend two lectures a week. Two tests will be held inside lecture hours.

Laboratories: Students will attend practical classes of not less than 72 hours by doing six hours per week for half the year. No student may enter the laboratory unless wearing an approved form of eye protection. A pass in both theory and practical is necessary. The final grade is assessed from a test/problems (20%), practical (33%) and final examination (47%); or practical (33%) and a final examination (57%); whichever is to the student’s advantage.

08.220 Inorganic, Structural and Theoretical Chemistry

The course provides an introduction to chemical bonding, and to the chemistry of the solid state. Aspects of the chemistry of transition metal and main group elements are treated at greater depth.

Lectures: Students will attend two lectures a week. Two tests will be held inside lecture hours.

Laboratories: Students will attend practical classes of not less than 72 hours by doing six hours per week for half the year. No student may enter the laboratory unless wearing an approved form of eye protection. A pass both in the written paper and in the practical course is necessary. The final grade is assessed from a test/problems (20%), practical (33%) and final examination (47%); or practical (33%) and a final examination (57%); whichever is to the student’s advantage.

08.230 Organic Chemistry

The course is based on the prescribed text and covers the structure and reactions of carbon compounds, classified by
functional groups. An introduction to the chemistry of molecules of biological importance, and to the use of NMR and mass spectrometry in structure elucidation, is included.

**Lectures:** Students will attend two lectures a week. Four tests will be held in lecture hours.  
**Laboratories:** Students will attend practical classes of not less than 72 hours by doing six hours per week for half the year. No student may enter the laboratory unless wearing an approved form of eye protection. A pass both in the written paper and in the practical course is necessary.

The final grade is assessed from the best 3 of 4 tests (20%), practical (33%) and final examination (47%).

### 08.250 Radiochemical Techniques for Biological Scientists
This service course is designed to meet the needs of biological scientists, health workers and natural scientists who anticipate working with tracer quantities of radio-isotopes. It is not to be regarded as a training course for chemists. Principles of radioactive decay, quenching and self adsorption, instrumental measurement of activity and dose, pulse height analysis, scintillation counting of gamma and Beta nuclides, homogeneous and heterogeneous counting, radio-autography, radiological safety, waste disposal.  

Ten lectures and ten three-hour laboratory sessions. One test (1.5 hours) will be held outside lecture hours. No student may enter the laboratory unless wearing an approved form of eye protection.  

The final grade is assessed from a test (50%) and practical (50%).

### 08.260 Analytical Chemistry
This course provides an introduction to analytical chemistry and students who intend to enrol for the advanced analytical chemistry 08.360 paper should take 08.260 as a prerequisite. It includes non-instrumental and instrumental techniques, including biochemical analysis and radiochemical techniques.  

**Lectures:** Students will attend two 1-hour lectures per week during quarters 1 and 2. Two tests (1 x 1-hour and 1 x 1.5 hours) will be held outside lecture hours. The final grade is assessed from tests 50%, practical 40%, problem paper and assignments 10%.  

**Laboratories:** Students will attend twelve 3-hour laboratory sessions, normally 3 hours per week, during quarters 1 and 2. No student may enter the laboratory unless wearing an approved form of eye protection and satisfactory foot protection. A pass in the practical course is necessary for obtaining the credits.

### T08.270 Environmental Chemical Cycles
The course will focus on the atmosphere, lithosphere and hydrosphere and the environmental chemical processes and cycles that occur in them. Various aspects of physical, inorganic and organic chemistry will be included.  

**Lectures:** Students will attend two lectures a week. Two tests will be held inside lecture hours.  

**Practical work:** Students will be expected to attend one 3 hour laboratory session each week. In some instances fieldwork and computing projects will replace laboratory sessions. No student may enter a laboratory unless wearing an approved form of eye protection. A pass in both theory and practical is necessary. The final grade is assessed from tests 20%, practical 20%, and final examination 80%; whichever is to the student’s advantage.

### 08.310 Physical Chemistry A
The theory and experimental techniques of spectroscopy, dynamic electrochemistry (fuel cells and corrosion) and surface chemistry (surface reaction kinetics and catalysis).  

**Lectures:** One lecture per week throughout the year. One test will be held.  

**Laboratories:** Students will attend practical classes of not less than 6 hours per week in any one quarter of the teaching year. No student may enter the laboratory unless wearing an approved form of eye protection. A pass both in the written paper and in the practical course is necessary.

The final grade is assessed from a test/problems (20%), practical (33%) and a final examination (47%); or practical (33%) and a final examination (67%); whichever is to the student’s advantage.

### 08.311 Physical Chemistry B
Chemical physics (including quantum chemistry), reaction dynamics, and photochemistry. One test will be held.  

**Lectures:** One lecture per week throughout the year.  

**Laboratories:** Students will attend practical classes of not less than 6 hours per week in any one quarter of the teaching year. No student may enter the laboratory unless wearing an approved form of eye protection. A pass both in the written paper and in the practical course is necessary. The final grade is assessed as for 08.310.

### 08.320 Inorganic Chemistry
The course will cover the organometallic chemistry of both transition metals and main group elements.  

**Lectures:** Students will attend a total of 23 lectures during the year. One test will be held outside lecture hours.  

**Laboratories:** Students will attend practical classes of not less than 36 hours during the year. No student may enter the laboratory unless wearing an approved form of eye protection. A pass both in the written paper and in the practical course is necessary.

The final grade is assessed as for 08.310.

### 08.330 Organic Chemistry: Reactions and Synthesis
This course covers asymmetric and applied and industrial organic chemistry along with topics in synthetic organic chemistry such as ring opening and ring closing reactions, and applications of organophosphorus, organoborane, organosilicon, and heterocyclic chemistry.  

**Lectures:** Students will attend one lecture per week during the year. Two tests will be held inside lecture hours.  

**Laboratories:** Students will attend practical classes of not less than 36 hours during the year. This will normally be done in quarters 1 or 2 during the first half of the year. No student may enter the laboratory unless wearing an approved form of eye protection. A pass both in the written paper and in the practical course is necessary.

The final grade is assessed from tests/problems (20%), practical (33%) and final examination (47%); or practical (33%) and a final examination (67%); whichever is to the student’s advantage.

### 08.331 Bio-organic and Advanced Organic Chemistry
The course deals with topics such as stereochemistry, the study of reaction mechanisms, radicals, pericyclic reactions, photochemistry, and bio-organic chemistry.  

**Lectures:** Students will attend one lecture per week during the year. Two tests will be held inside lecture hours.  

**Laboratories:** Students will attend practical classes of not less than 36 hours during the year. This will normally be done in quarters 3 or 4 during the second half of the year. No student may enter the laboratory unless wearing an approved form of eye protection. A pass both in the written paper and in the practical course is necessary.

The final grade is assessed as for 08.330.

### 08.340 Structural Methods in Chemistry
This course deals with physical methods of determining chemical structures. Background theory is described for mass spectrometry, nuclear magnetic resonance, U.V. and photoelectron spectroscopy, and X-ray structural analysis. Practical applications in inorganic, organic and organometallic chemistry are included. The course will consist of 32 lectures and 20 hours to be devoted to practical work and laboratory assignments. One test will be held outside lecture hours.  

A pass both in the written paper and in the practical course is necessary.

The final grade is assessed from a test (19%), practical (25%) and a final examination (56%); or practical (25%) and final examination (75%); whichever is to the student’s advantage.
08.360 Advanced Analytical Chemistry
The course will cover instrumental methods of analysis. One test will be held outside lecture hours. No student may enter the laboratory unless wearing an approved form of eye protection. A pass both in the written paper and in the practical course is necessary. The final grade is assessed from a test and problems (20%), practical (33%) and a final examination (47%); or practical (33%) and a final examination (67%); whichever is to the student’s advantage.

08.361 Instrumental Analytical Chemistry
This paper covers advanced instrumental analysis, including electronics and signal processing for analytical chemistry. Practical applications of radiochemical techniques will be covered. The paper will consist of 16 lectures and 48 laboratory hours at a time to be arranged. The laboratory course includes an analytical chemistry project. A pass in both the written paper and the practical course is necessary. The final grade in assessed from a test and problems (15%), practical (50%), and a final examination (35%); or practical (50%) and a final examination (50%); whichever is to the student’s advantage.

08.370 Environmental Chemistry
The course covers aspects of the chemistry of the atmosphere, natural waters, and the land surface. A section on hazards associated with chemicals and their handling is also included. Lectures: Students will attend one lecture a week. One test will be held outside lecture hours. Laboratories: Students will attend practical classes, totalling 36 hours, at times to be arranged. No student may enter the laboratory unless wearing an approved form of eye protection. A pass both in the written paper and in the practical course is necessary. The final grade is assessed as for 08.360.

08.390 Advanced Topics in Chemistry (A)
08.391 Advanced Topics in Chemistry (B)

Chemistry for MSc and Honours
The course for the Degree consists of five papers (08.450 plus four papers selected from 08.410-08.460) and a thesis 08.601. Assessment of a student’s overall attainment is made on the basis that each of the five papers has a weight of one, and the thesis has a weight of four. The course is normally of one year’s duration but the thesis may be completed during the second year. [See Regulation 2(d) of the Enrolment and Course Regulations (General).]

Prerequisites for the course are completion of 08.210, 08.220, 08.230 and 08.260, and 18 Stage III credits including at least 12 credits from Stage III Chemistry papers (excluding 08.352). Students intending to enrol for the MSc should consult the administrative assistant of the Department of Chemistry to see if the course is suitable. A pass in the course is necessary. The final grade is assessed as for 08.360.

08.410 Physical Chemistry A
Electrode kinetics, surface analysis, polymer chemistry. Lectures: Students will attend 30 lectures during the year.

08.411 Physical Chemistry B
Quantum chemistry, magnetic resonance, molecular spectroscopy and structure, statistical thermodynamics. Lectures: Students will attend 30 lectures during the year.

08.420 Inorganic Chemistry
Topics cover organo-transition metal chemistry, co-ordination chemistry, main group chemistry and structural chemistry. Lectures: Students will attend 30 lectures during the year.

08.421 Physical Inorganic Chemistry
Aspects of physical methods in inorganic chemistry. Lectures: Students will attend 30 lectures during the year.

08.430 Organic Chemistry: Reactions and Synthesis
Principles of organic chemistry, applied to organic synthesis. Lectures: Students will attend 30 lectures during the year.

08.431 Advanced Organic Chemistry
Aspects of the investigation of organic reactions including theoretical-organic chemistry, and bio-organic chemistry. Lectures: Students will attend 30 lectures during the year.

08.450 Special Topics in Chemistry
Students must choose three topics in specialised areas of chemistry from a selection to be offered. Lectures: Students will attend 10 lectures in each topic selected. In addition to attending prescribed lectures, students will be required to prepare and discuss a number of selected topics of special interest.

08.460 Analytical Chemistry
This course will cover aspects of advanced analytical chemistry. Lectures: Students will attend 30 lectures during the year.

PhD in Chemistry
Thesis 08.602 and oral examination. Facilities are available for postgraduate research on a wide variety of topics in all branches of Chemistry. Further information is available from the Head of Department. The PhD course usually takes between two and three years full-time study and research.

DEPARTMENT OF EDUCATION
14.327 Aspects of Science Education
An introduction to children’s learning in science, to issues in the philosophy of science relevant to the science curriculum and to a range of other issues in the contemporary international debate concerning science education at primary and secondary level. Note: Credits obtained from this paper do not count as Stage III Science credits in terms of the BSc Regulation 3(c).

ENVIRONMENTAL MANAGEMENT
T722.208 Earth Resources
Occurrence and use of earth resources and environmental impact of resource use. Emphasis is on water resources including groundwater and aquifers, and soils including mass movement and subsidence. Other themes include fossil fuels, minerals and elements as resources.

ENVIRONMENTAL SCIENCE
BSc Stage II
An interdisciplinary paper is offered at Stage II

64.200 Environmental Science
An introduction to local, regional and global environmental issues, especially those related to pollution and resource utilization. The paper will include consideration of the relevant scientific information, social concerns and management options.

MSc
The MSc in Environmental Science is a joint Degree in Environmental Science and another Science subject. It is coordinated by the Director of Environmental Science and contributed to by a number of Departments. Students who intend to take the course must consult as early as possible the Director of Environmental Science who will advise on a suitable paper combination for the Degree. A Preparatory Application Form must be submitted by October 31 in the year preceding intended entry to the programme. The course consists of four papers and a thesis 64.601 which shall count as four papers. In the case of a joint degree with Chemistry or Physics three papers will be taken under MSc Regulation 10 Environmental Science (ii) but treated as the equivalent of two papers in the other subjects. The papers are Environmental Science 64.401 plus a selection from Stage III and Masters 400-level papers in Science and other approved subjects. Students will also be required to attend the Environmental Science seminars. The combination of papers must be approved by the Director of Environmental Science in consultation with the Heads of Departments concerned.

64.401 Environmental Science
The principles and procedures of Environmental Science through an examination of the concepts, theories and methods of Science as they relate to both natural and managed environments. Topics include scientific methods, current issues, environmental monitoring and modelling, analytical techniques, policy and management issues and environmental impact.
DEPARTMENT OF GEOGRAPHY

The Schedule to the Course Regulations for the Degree of BSc should be consulted for the pre and corequisites.

Geography I

Two papers are offered on each campus for Geography I. They may be taken separately or together, but students planning to advance in geography should enrol in both. For Stage II prerequisite purposes, the different campus offerings are interchangeable. Practical work and tutorials form an integral part of all four papers, and participation in these is required. A list of recommended books for each course is included in the departmental Student Guide available from the Geography Department Office.

20.101 Geography of the Natural Environment
Natural environmental processes, geographic techniques and human impacts are studied in relation to landforms, climate and ecosystems.

20.102 Geography of the Human Environment
An introduction to contemporary social, cultural, political and economic processes impacting upon and shaping the human environment. Topics include: indigenous development, migration flows, economic change in industrialised countries, and global environmental issues and resource use and management.

T20.151 Geography of the Natural World
An introduction to general principles and issues of contemporary physical geography. Emphasis is on the structure and dynamics of climatic and earth surface processes and the flow of energy and water through natural environmental systems. Relationships with human activity are also considered.

T20.152 Geography and Human Affairs
Integration of environmental, economic and social processes as they impact on the spatial patterns of human development and resource use at regional, national, and international levels.

Geography II

Seven papers are offered for Geography II. Students planning to advance in geography must enrol for 20.204 and at least two of 20.201, 20.202, 20.205, T20.251, T20.252 or T20.255. Alternatively, the combination of T20.151, T20.252 and T20.255 is considered to be a suitable pre-requisite for Geography III.

In addition, students must be aware of specific prerequisites for Stage III papers in geography, for which these papers are considered to be equivalent: 20.201 and T20.251; 20.202 and T20.252; 20.205, T20.205 and T20.255. Students advancing in other subjects may take papers separately. A list of recommended books for each course is included in the departmental Student Guide available from the Geography Department Office.

20.201 Processes in the Natural Environment
Environmental processes in biogeography, climatology, geomorphology and hydrology.

20.202 Society, Economy and Environment
This paper examines the core principles in human geography. Topics include: social and economic development, environmental management and planning, spatial interaction, the social geography of the city, and the location of economic activities.

20.204 Geographic Data Analysis
An introduction to a range of techniques employed in geographical analysis, focusing on data analysis and display. The paper covers statistical analysis, instruction in the use of computer applications (including SAS), cartography, introductory geographic information systems (GIS), global positioning systems (GPS) and remote sensing.

20.205 Environmental Processes and Management
To provide students with a foundation for understanding environmental decision making, relevant factors such as physical environments, institutional settings, socio-economic factors and cultural attitudes are considered. The importance of considering the physical and human dimensions of environmental management issues is demonstrated through case studies.

20.251 Earth Surface and Atmospheric Processes
A study of natural processes operating in climatic, hydrologic, geomorphic and biotic systems. Emphasis is on the role of water and energy in earth surface and atmospheric processes. Relationships with human activity are also considered.

20.255 Human Impact in the Environment
Perspectives on the role of people and society in environmental change. Economic, sociological, behavioural, political, biological and physical topics are explored within this theme.

Geography III

Sixteen papers are offered for Geography III. Students majoring in geography must take at least three Stage III papers (but note the requirements for entry to MA/MSc in Geography), and must include at least one of 20.315, 20.330 and T20.353. Students advancing in other subjects may take papers separately. Each paper will involve at least two hours of lectures, seminars, or laboratory work per week, but students must also attend such additional practical work and fieldwork as may be required. A list of recommended books for each of the papers is included in the departmental Student Guide available from the Geography Department Office.

20.301 Regional Processes and Development
This paper examines economic, social and political processes underpinning recent transformations in the global economy. Debates concerning the transition from Fordism to post-Fordism and Flexible accumulation are examined in conjunction with an analysis of the role of firms, industries, nation-states, and supranational organisations in changing the character of regions.

20.305 Population, Health and Society
Components of change in human populations (fertility, mortality, migration), population structure (sex and age, ethnicity, economic activity) and population distribution (urbanisation, segregation, regional development), patterns of health and morbidity, and systems of service delivery.

20.312 Development in the Asia-Pacific Region
Development processes and issues in the countries of South East Asia and the Pacific Islands. Themes include development theory, colonialism and historical change, population dynamics, agriculture, migration, urbanisation, international linkages, and development strategies.
20.313 Advanced Analytical Methods in Geography
An introduction to multivariate statistical methods and their application to model building and systems analysis.

20.314 Geographic Information Systems
Principles, techniques and applications of geographic information systems, including computer analysis and presentation of cartographic and remotely sensed data.

20.315 Research Design and Methods in Human Geography
A lecture, practical and field course which considers the principal methods and applications of design, methods and practice of data collection, of sources of published and unpublished data, experience in analytical techniques and the presentation of results. The paper includes a residential field course of at least seven days normally held in the first week of the May study break.

20.317 Remote Sensing and Image Analysis
Introduction to the techniques with which geographic variables are measured from aerial photographs. Principles of remote sensing. Characteristics, interpretation and applications of satellite, thermal infra red and radar imagery. The various aspects of digital processing of remotely sensed data by computer.

20.320 Resources and Environmental Management
This paper provides a understanding of key concepts, methods, processes and practises in environmental management and natural resource use and allocation. Emphasising institutional and socio-economic perspectives, environmental issues are examined at local, national and international scales.

20.321 Geography of the Maori
The Maori people - the patterns and processes involved in their early migrations, settlement patterns, demographic trends, the diffusion of war (guns) and peace (Christianity). Their relationship with the land and the environment; economic, social and resource development. An approach emphasising Maori perspectives and an experimental component to methodology will be used.

Note: The same paper is taught as Maori Studies 04.318.

20.322 Geography of East Asia
A topical and regional approach to the geography of China, Korea and Japan. The unity and diversity of East Asia, environment and cultural development, industrialisation and urbanisation, population problems, and environmental management are emphasised.

20.330 Catchment Processes and Research Methods
An advanced examination of selected environmental processes and research methods relevant to catchments. A substantial component of the course focuses on research methods, instrumentation and techniques. This paper includes a residential field trip.

20.331 Topics in Physical Geography A
Two elective modules from a series of topics in physical geography (see department for details).

20.332 Topics in Physical Geography B
Two additional elective modules from a series of topics in physical geography (see department for details).

20.351 Coastal and Marine Geography
An advanced course in physical and environmental geography which focuses on natural processes operating in coastal and marine environments. This provides a basis for discussion of coastal zone management issues, the organisation and structure of coastal and marine economic activities, social and environmental concerns and policy development.

20.352 Environmental Geography
This paper is oriented to understanding people’s interactions with the environment from a multidisciplinary perspective. The role of environmental knowledge is examined from perspectives and approaches that include ecology, political economy, technology and history. Emphasis is placed upon understanding the role of grass roots organisations, poverty, and underdevelopment within an environmental framework.

20.353 Field Studies in Geography
This paper is designed to integrate the natural and human aspects of geography in applied situations. Emphasis is on the design of field experiments, techniques for data collection, analysis and presentation of results.

Geography for MSc and Honours
[Four papers and a thesis (20.601)]
A candidate is expected to enrol for and sit four papers in the first year, present the thesis (which is the equivalent of three papers) in the year next following and submit it for examination by I November of that year. Papers shall be selected from 20.400 to 20.447. Further information (including recommended books) is included in the Student Guide available from the Geography Department Office.

There is an overall limit on the number of Masters students for 1995. Students should consult the Graduate Advisor as soon as possible after the completion of the Bachelors Degree in order to discuss the graduate programme.

20.400 History and Nature of Geography
20.410 Change and Transition in the Pacific
The patterns and processes of island bio-physical environments, population, economic organisation and resource use.

20.411 Hydrology and Fluvial Geomorphology
Pure and applied aspects of hydrology and fluvial geomorphology, incorporating field and laboratory techniques.

20.412 Urban Social Geography
Cross-cultural themes in the study of people-nature relationships.

20.413 Cultural Geography
An advanced study of remote sensing applications involving the global economy.

20.414 Population Geography
An examination of methods for the evaluation of resource development proposals.

20.415 Evaluation in Environmental and Resource Planning
An examination of methods for the evaluation of resource development proposals.

20.416 Digital Mapping Systems
The study of computer assisted cartography with special reference to its role in Geographic Information Systems in New Zealand.

20.417 Special Topic
1995: The Geography of the Built Environment
An analysis of the socio-economic processes shaping the evolution of built environments.

20.418 Special Topic
20.419 Special Topic
20.420 Special Topic

DEPARTMENT OF GEOLOGY
The Schedule to the Course Regulations for the Degree of BSc should be consulted for pre and corequisites.

Stage I
Four 6 credit papers are offered for Geology I. Three papers may be taken and papers T21.108, 21.110 and 21.111 may be taken separately. Students intending to advance to Geology Stage II should take papers 21.111 and 21.112.

T21.108 Earth Materials and Processes
Earth as a planet; earth materials and the regolith; past life and
evolution; applied paleontology; Quaternary times; earth resources and geohazards. This paper is taught at the Tamaki Campus.

21.110 Planet Earth
Field exercises held on weekends. Earth as an evolving planetary body. Philosophy of earth sciences, fossils and evolution, natural hazards and earth resources.  
Field Classes: Each student will be required to attend two one-day field classes arranged for weekends during term time.  
Practical Work: A pass in both the practical course and the written paper is necessary.

21.111 Introduction to General and Environmental Geology
Basic geological concepts, earth materials, earth as a planet, structure and evolution of the lithosphere, ocean and atmosphere, origin and evolution of life, Geological hazards, earth resources. Geological evolution of New Zealand.  
Field Classes: Each student will be required to attend two one-day field classes, arranged on weekends during term time.  
Practical Work: One two-hour practical class must be attended each week. A pass in both the practical course and the written paper is necessary.

21.112 Geological Materials and Methods
Earth materials and structure - rocks, minerals and rock-forming and deforming processes. Paleontology and stratigraphy. New Zealand Geology.  
Field Classes: Each student will be required to attend two one-day field classes, arranged on weekends during term time.  
Practical Work: Two two-hour practical classes must be attended each week. A pass in both the practical course and the written paper is necessary.

Stage II
Field Classes are a compulsory part of each paper and students must be prepared to pay a large part of the cost. Attention is drawn to the inclusion in the BSc Schedule of 52.331 Geotechnical Engineering, 52.332 Geomechanics II, 56.312 Evolution and Mineral Economics and 56.314 Rock Mechanics as Stage III courses relevant to those students with an interest in engineering or mining geology.  
Field Classes: Field classes are a compulsory part of each paper and may be held anywhere in New Zealand. Students must be prepared to pay a large part of the cost of field excursions. The following seventeen courses are offered:

21.300 Field Methods for Geology
Photogeology, photomapping, a field report and map of a selected area.  
Note: This course must be taken by all Geology students taking Geology III papers (excluding 21.306) totalling 6 credits or more. Under special circumstances the Head of Department may permit a student to take 21.300 rather than 21.306.

21.306 Applied Geophysics
A lecture course covering physical principles, equipment and techniques used in investigating the physical composition of the earth's crust and in mineral exploration. Standard numerical and graphical interpretation methods are discussed, and are used to interpret gravity, magnetic, seismic and DC-resistivity measurements to derive realistic geological gross structures and structures of mineral deposits.  
Field Classes: A total of about five days of field work will be held throughout the year anywhere in New Zealand.

21.310 Geology of Australasia and the South West Pacific
Geological evolution of Australasia, the islands of the South Pacific and the Pacific and Tasman ocean crust.  
Field Classes: A total of about 5 days may be spent in the field throughout the year.

21.311 Advanced Structural Geology
Principles of structural analysis; fault patterns; strain analysis; regional metamorphic structure.  
Field Classes: Two one-day field excursions.  
Practical Work: A pass in both the practical course and the written paper is necessary.

21.312 Advanced Sedimentology
Modern sedimentary processes, sedimentary facies models; basin analysis, tectonics and sedimentation. Advanced sedimentary petrography.  
Field Classes: A total of about 5 days of field work may be arranged.  
Practical Work: A pass in both the practical course and the written paper is necessary.

21.313 Advanced Palaeontology
Advanced systematic treatment of some major invertebrate groups (including Mollusca, Brachiopoda, Coelenterata) covering their morphology, origin, evolution, paleoecology and geological history.  
Field Classes: Up to three days of field work will be arranged throughout the year anywhere in New Zealand.  
Practical Work: A pass in both the practical course and the written paper is necessary.

21.314 Introduction to Mineral Deposits
Field Classes: Each student will be required to do at least one day of field work.  
Practical Work: A pass in both the practical course and the written paper is necessary.

21.315 Advanced Igneous and Metamorphic Petrology
Petrography, chemistry, genesis and regional settings of igneous and metamorphic rocks.  
Field Classes: A total of about five days of field work will be required.  
Practical Work: A pass in both the practical course and the written paper is necessary.
21.318 Introduction to Engineering Geology
Field Classes: Two one-day field excursions.
Practical Work: A pass in both the practical course and the written paper is necessary.

*21.319 Special Topics in Mineralogy and Geochemistry
Practical Work: A pass in both the practical course and the written paper is necessary.

Note: with the permission of the Head of Department, the prerequisites and corequisites for this paper may be waived.

*21.323 Geological History of the New Zealand Biota
New Zealand fossils through time: their paleoecology and biogeographic relations, and the origins of our modern New Zealand biota.
Field Classes: Up to three days of field work will be arranged throughout the year anywhere in New Zealand.
Practical Work: A pass in both the practical course and the written paper is necessary.

21.324 Advanced Mineral Deposits
Mineral deposits in igneous, metamorphic and sedimentary environments. Metallogeny.
Field Classes: Each student will be required to do at least two days of field work.
Practical Work: A pass in both the practical course and the written paper is necessary.

21.381 Advanced Mining Geology
The role of geology in mining. Case histories.
Field Work: Each student will be required to do at least one day of field work.

21.382 Applied Coal Geology
Coal geology. Coal exploration and mining.
Field Work: Each student will be required to do at least one day of field work.

21.384 Exploration and Mining Geology
Methods in applied structural and engineering geology in the mine environment. Methods in exploration and evaluation of ore deposits.
Field Work: Each student will be required to do at least one day of field work.

21.388 Engineering Geology
Geological principles applied to engineering problems.
Field Work: Each student will be required to do at least two days of field work.

Note: Enrolment requires permission of Head of Geology Department for Science students or Head of Department of Civil Engineering for Engineering students.

52.321 Geomechanics I
52.323 Geotechnical Engineering
53.332 Geomechanics II
56.101 Mineral Engineering
56.312 Evaluation and Mineral Economics
56.314 Rock Mechanics

BSc(Hons) Part IV in Geology
(Three papers and a thesis 21.603.)
The Regulations which cover the BSc(Hons) course are listed elsewhere. Students enrolled for BSc(Hons) Part IV in Geology undertake course work as for first-year MSc students and will select three from the following papers prescribed for the MSc Degree (21.401 to 21.450 but not 86.100 or 86.102). In addition, they must complete a research project by the beginning of the second half of the academic year, and the marks allotted for the project report count as equivalent to one paper. Students who wish to be considered for enrolment should consult the Head of Department prior to enrolment or at any time during the preceding year. Students who have been admitted to Part IV should consult the Geology staff about textbooks and particularly about fourth-year research projects at the end of their Stage III year.

BSc(Hons) Part IV in Applied Geology
[Three papers and a thesis (21.613).]
Students enrolled for BSc(Hons) Part IV in Applied Geology undertake course work as for MSc students and will select three papers from the four groups of papers specified in the Schedule for MSc in Applied Geology. In addition they must complete a thesis by the beginning of the second half of the academic year, the thesis being equivalent to one paper. Students who have been admitted to part IV should consult the Geology staff about textbooks and particularly about fourth-year research projects at the end of their Stage III year.

MSc and Honours in Geology
[Three papers and a thesis (21.601)]
The MSc in Geology consists of three written papers to be selected from 21.401 to 21.450 and 86.404 together with a thesis which, for examination assessment, counts as three written papers.

The course requires full-time attendance.

21.401 Tectonics and Structural Geology
Advanced topics on principles of deformation in rocks. Regional structure and tectonics of selected areas of the earth.

21.402 Sediments and Sedimentary Processes
Sedimentary processes and products in both ancient and modern settings. Identification and interpretation of sedimentary environments; the provenance and subsequent diagenetic history of terrigenous and carbonate sediments.

21.403 Stratigraphy and Paleontology
Principles and practice in stratigraphy and correlation, the fossil record and its interpretation, the historical geology of New Zealand.

21.404 Advanced Studies in Mineral Deposits
Advanced studies of selected types of mineral deposits with respect to their physicochemical conditions of formation and subsequent modification.

21.405 Genesis of Igneous and Metamorphic Rocks
Studies in the petrology of igneous and metamorphic rocks, covering geological settings, volcanology, PT environments, petrochemistry and mineral assemblages with emphasis on recent developments in the theoretical, experimental and observational fields.

21.406 Advanced Applied Geophysics
The theory and practice of the interpretation of geophysical measurements. Topics covered are: potential field theory, quantitative interpretation of gravitational and magnetic anomalies (two and three-dimensional bodies), DC and AC resistivity measurements, seismic wave transmission, refraction and reflection studies.

Practical work: The year’s practical work will be assessed by means of exercises to be completed during the lecture course and two essays and discussion of a seminar topic.

Note: This course is the same as 31.433 and is given jointly by the Geology and Physics Departments. Previous enrolment in 31.330 or 335, 31.306 and 31.307 is desirable.

21.408 Advanced Engineering Geology
Application of geology to engineering practice with emphasis on the geological, physical and structural variants in rock and soil masses. Aspects of ground investigation methods, aggregates, relevant clay mineralogy, groundwater, sediments and soils, excavation methods, stability of slopes, foundation requirements and relationship to soil and rock mechanics.

21.409 Mineral Chemistry and Geochemistry
The abundance and distribution of the elements. Special topics in the chemistry of minerals, rocks and fluids.

21.450 Special Topics in Geology
To be prescribed by Head of Department.

86.404 Geothermal Exploration Technology

Note: (a) Students seeking enrolment in this course must have passed 21.304 or 21.305 or 21.306 or 21.314 or 21.315 in addition, a pass in either 08.210 or 08.220 desirable.

(b) This course includes a compulsory field trip, normally held in mid-term break to Wairakei and Wellington and of five days' duration, but timing, location, and duration may be altered from year to year.
MSc and Honours in Applied Geology

[Three papers and a thesis (21.611)]

Prerequisites: A BSc with 24 Stage III credits, of which at least 12 must be from Geology. The MSc in Applied Geology requires full-time attendance. The degree consists of three written papers together with a thesis which, for examination assessment, counts as three written papers. The individual course of study of each student must be approved by the Head of the Department of Geology. The student shall select three papers from the following five groups: 21.408; 21.471-21.478; 21.484; 86.404; and any approved paper listed in the ME Schedule. The papers taken for the MSc in Applied Geology must be selected from three of the following: 21.408 Advanced Engineering Geology

As in Schedule for MSc and Honours in Geology. 21.484 Economic and Mining Geology

The exploitation and exploration of mineral deposits and other economically important earth materials.

Any One Approved Paper Listed in the ME Schedule

Enrolment requires permission of the Head of Department concerned.

(21.471-21.478) Special Topic Papers

Only one paper may be selected from this group.

21.471 Special Topic in Applied Geology

Either any two papers selected from courses offered in the 3rd Professional Year of BE and/or Stage III BSc papers which have not already been taken or any approved paper from the MSc Schedule. Enrolment requires permission of the Head of Department concerned.

21.473 Special Topic in Mineral Processing

Any two papers selected from courses offered in the 3rd Professional Year of BE (Mineral Processing Engineering). Enrolment requires permission of the Head of Department concerned.

21.474 Special Topic in Mining Geology

Any two papers selected from courses offered in the 3rd Professional Year of BE (Mining Engineering). Enrolment requires permission of the Head of Department concerned.

21.478 Special Topic in Engineering Geology

Any two papers selected from courses offered in the 3rd Professional Year of BE (Civil). Enrolment requires permission of Head of Department concerned.

86.404 Geothermal Exploration Technology

As prescribed for MSc and Honours in Geology.

Note: This paper when taken for MSc in Applied Geology has a corequisite 86.404 (as prescribed for ME).

PhD in Geology

Thesis (21.602) and an oral examination.

Facilities are available for research by PhD candidates in many branches of Geology: economic geology, geochemistry, petrology, volcanology, mineralogy, structural geology, palaeontology and stratigraphy, sedimentology, marine geology, geophysics, engineering and coal geology. Students intending to work for this Degree should have reached a satisfactory level of attainment in BSc(Hons) or MSc.

MARINE SCIENCE

713.401 Selected Topics in Marine Science

Elements of physics, chemistry, geology, geography and biology are combined in this paper to give students with a background in one of the traditional disciplines exposure to multidisciplinary approaches of marine science. Topics include biology, ecology and physiology of marine organisms; marine microbiology; primary productivity; chemical ecology, biogeochemical cycles, biogeochemistry and paleo-oceanography; elements of oceanography and hydrodynamics operating at various spatial levels; coastal depositional and other sedimentary processes; as well as legal aspects of marine resource management.

SCHOOL OF MATHEMATICAL AND INFORMATION SCIENCES

DEPARTMENT OF COMPUTER SCIENCE

Stage I Courses

07.100 Principles of Computing (a)

This paper, taught in the first half year, introduces computers and computer programming in a high-level language (Pascal). Machine-level concepts and the role of computers and computer professionals in society are also introduced. This paper is intended for students who may wish to advance in Computer Science.

07.105 Principles of Computing (b)

This paper extends the programming skills of 07.100. The paper also introduces the area of data structures and data representation, the study of ways of efficiently organising and manipulating collections of data needed for representing real and abstract objects.

07.111 Introduction to Computing and Applications

This paper is intended for those who have no knowledge or computing or programming, but who will find computing useful as a supplement to their principal subjects. The topics covered in the paper are presented at a less advanced level than in 07.100 and with more emphasis on using existing applications for solving problems and less depth in programming. In addition, 07.111 is spread over a full year so concepts are introduced at a slower rate than 07.100. This makes 07.111 a suitable introduction to computing for students who would like to continue with the subject but who have had little experience with using computers. Students may proceed from 07.111 to 07.100. Students who do very well in 07.111 may be given permission by the Head of Department to substitute 07.111 for 07.100 as a prerequisite.

T07.115 Computers and Programming

This paper introduces the topic of computer programming; the use of artificial languages to describe algorithms and data. The paper has a considerable laboratory component. The paper is taught on the Tamaki Campus and is intended for students who wish to advance in Information Systems, Computer Science or Information Technology.

T26.162 Introduction to Applied and Computational Mathematics

As prescribed for the Department of Mathematics.

T26.162 Introduction to Applied and Computational Mathematics

As prescribed for the Department of Mathematics. This paper is taught at the Tamaki Campus.

T74.110 Computers and Information Systems

As prescribed for the Department of Management Science and Information Systems. This paper is taught at the Tamaki Campus.

Stage II Courses

07.211 Computer Systems

This paper explores how computer systems work in both hardware and software. The architecture of one particular computer, and its assembly language, is studied in some depth. The paper also introduces computer input/output, including data communications, the functional architecture of computers, and the function and architecture of system software.

T07.211 Computer Systems

As prescribed for 07.211. This paper is taught at the Tamaki Campus.

07.222 Database Management Systems

An introduction to the basic concepts and techniques of managing data in an organisation. Topics include data models (hierarchical, network and relational), and the functions provided by common commercial database management software environments.

Note: This paper is offered as Management and Information Systems T74.232.

26.225 Discrete Mathematics

Elementary Logic, principles of counting, induction, recursion, relations and functions, graphs and trees, algorithms.

07.231 Introduction to Software Engineering

Issues in developing and analysing large complex programs. Tools for analysing program performance. Practical case studies in algorithms and data structures.
07.232 Software Reliability and Design
Modularity and reuse. Object-oriented programming. Techniques for analysing the reliability of programs. Practical case studies in reliability. Algorithm and data structure design.

T07.233 Elements of Software Engineering
This paper is essentially the same as 07.231, but is a full-year paper taught at the Tamaki campus.

T74.232 Database Management Systems
As prescribed for the Department of Management Science and Information Systems.

T74.224 Introduction to Data Communications
As prescribed for the Department of Management Science and Information Systems.

26.290 Numerical Computation
As prescribed for the Department of Mathematics.

Stage III Courses

07.301 Topic in Computer Science (a)
1995: Software Engineering

07.302 Topic in Computer Science (b)
1995: Data Communications Technology

07.303 Topic in Computer Science (c)
1995: History of Computing

*07.304 Topic in Computer Science (d)
*07.305 Topic in Computer Science (e)
*07.306 Topic in Computer Science (f)
One or more of these topics papers may be taught in any particular year. The actual contents of such courses and the requirements that must be met before departmental approval to enrol in them is given, will be announced prior to enrolment. Enrolment is subject to the approval of the Head of Department.

07.310 Computer Organisation
The functioning and organisation of modern computer systems. Logic elements, processor components, processor organisation, data representation and instruction formats, microprogramming, input/output systems and hierarchical memory systems. Case studies of several computer systems and processor designs.

07.315 Computer Graphics
This paper covers the fundamentals of computer graphics, and gives a brief introduction to the field of image processing. Topics include: uses of computer graphics; graphics hardware; the GKS system; graphics programming; 2D and 3D display algorithms; high quality image rendering; an introduction to image processing.

07.330 Language Implementation

07.340 Operating Systems
What is an operating system? Operating system principles: concurrent processes, processor management, memory management, disk management, other peripherals, security. Interacting with people: system implementation and job control languages.

T07.340 Operating Systems
As prescribed for 07.340. This paper is taught at the Tamaki Campus.

*07.342 Data Communications
An introduction to data communications technology and network techniques, including the Open System Interconnection model, local area networks, wide area networks, packet switching and network security.

07.351 Mathematical Foundations of Computer Science

07.352 Design and Analysis of Algorithms
A study of aspects of problem solving and algorithm design, including the following topics: algorithm efficiency, order analysis, profiling, design levels, fine tuning, abstract data types, program verification, invariants, recursion, parallel algorithms, and decidability.

T07.353 Software Design

07.362 Artificial Intelligence
This paper, taught in the second half year, provides an introduction to Artificial Intelligence (AI). AI is concerned with the construction of computer systems that are able to carry out tasks that are thought to require “intelligence”. The paper introduces the basic concepts of AI. There will be some practical experience with existing AI systems.

07.363 Functional and Logic Programming
This paper provides a practical introduction to programming in functional and logic programming languages. In particular, it introduces a declarative style of programming, in which the emphasis is placed more on what a program is to achieve than how it is to achieve it.

07.380 Undergraduate Project in Computer Science (a)

07.381 Undergraduate Project in Computer Science (b)

07.382 Undergraduate Project in Computer Science (c)
Each student taking one of these papers will be expected to do an individual practical project under the supervision of a member of staff. Only students with excellent academic records will be allowed to take these papers, and only after a supervisor and topic have been agreed upon by the Head of Department.

26.390 Numerical Analysis
As prescribed for the Department of Mathematics and Statistics.

528.391 Optimisation in Operations Research
As prescribed for the Department of Statistics.

528.395 Mathematics Modelling for Operations Research
As prescribed for the Department of Statistics.

74.324 Data Communications
As prescribed for the Department of Management Science and Information Systems.

T74.329 Advanced Data Communications
As prescribed for the Department of Management Science and Information Systems.

T74.333 Management of Information Systems
As prescribed for the Department of Management Science and Information Systems.

BSc (Honours) in Computer Science
The Regulations covering the BSc(Hons) in Computer Science are included in the general regulations for the Degree. This course is designed to allow students of high ability to complete an Honours degree in four years and thus be eligible to proceed directly to a PhD degree and be eligible for the award of postgraduate scholarships. Students who obtain the BSc(Hons) will be permitted to advance to an MSc by presenting a thesis or by pursuing an approved advanced course of study.

Courses for MSc and Honours
Candidates for this Degree select papers totalling 24 credits approved by the Head of the Computer Science Department. Normally these papers are selected from the list that follows. In addition students write a thesis (07.601) or take an advanced course of study (07.605), either of which counts as 24 credits. Not all 400 level papers will be offered each year. Intending students should request the postgraduate course booklet available from the Department.

<table>
<thead>
<tr>
<th>Paper Number</th>
<th>Credits</th>
<th>Course Name</th>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>07.401</td>
<td>1</td>
<td>Advanced Topic in Computer Science (a)</td>
<td>07.401</td>
</tr>
<tr>
<td>07.402</td>
<td>1</td>
<td>Advanced Topic in Computer Science (b)</td>
<td>07.402</td>
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<tr>
<td>07.403</td>
<td>1</td>
<td>Advanced Topic in Computer Science (c)</td>
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<td>07.404</td>
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<tr>
<td>07.405</td>
<td>1</td>
<td>Advanced Topic in Computer Science (e)</td>
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07.407 Advanced Topic in Computer Science (g): Distributed Computing 2
07.408 Advanced Topic in Computer Science (h): Multi-media Systems 4
07.409 Advanced Topic in Computer Science (i) 4
07.410 Computer Architecture (a) 4
07.411 Computer Architecture (b) 4
07.412 Computer Architecture (c) 2
07.413 Computer Architecture (d) 2
07.415 Advanced Computer Graphics (a) 4
07.416 Advanced Computer Graphics (b) 2
07.417 Image Processing (a) 2
07.418 Image Processing (b) 2
07.420 Database Management Systems (a) 4
07.421 Database Management Systems (b) 2
07.430 Advanced Language Implementation (a) 4
07.431 Advanced Language Implementation (b) 4
07.432 Advanced Language Implementation (c) 2
07.433 Advanced Language Implementation (d) 2
07.435 Advanced Software Engineering (a) 4
07.436 Advanced Software Engineering (b) 2
07.437 Computer Language Application (a) 2
07.438 Computer Language Application (b) 2
07.439 Computer Language Application (c) 2
07.440 Advanced Operating Systems (a) 4
07.441 Advanced Operating Systems (b) 4
07.442 Data Communications and Networks (a) 4
07.443 Advanced Operating Systems (c) 2
07.444 Advanced Operating Systems (d) 2
07.446 Data Communications and Networks (b) 2
07.447 Data Communications and Networks (c) 2
07.450 Theoretical Computer Science (a) 4
07.451 Advanced Design and Analysis of Algorithms (a) 4
07.452 Advanced Design and Analysis of Algorithms (b) 4
07.453 Advanced Design and Analysis of Algorithms (c) 2
07.454 Advanced Design and Analysis of Algorithms (d) 2
07.455 Theoretical Computer Science (b) 4
07.456 Theoretical Computer Science (c) 2
07.457 Theoretical Computer Science (d) 4
07.458 Theoretical Computer Science (e) 2
07.459 Theoretical Computer Science (f) 2
07.460 Artificial Intelligence (a) 4
07.461 Advanced Artificial Intelligence (a) 4
07.462 Advanced Artificial Intelligence (b) 4
07.463 Advanced Artificial Intelligence (c) 2
07.464 Advanced Artificial Intelligence (d) 2
07.470 Computer Applications (a) 2
07.471 Computer Applications (b) 2
07.472 Computer Applications (c) 4
07.473 Robotics and Real-Time Control 4
07.481 Advanced Project in Computer Science (a) 2
07.482 Advanced Project in Computer Science (b) 2
07.483 Advanced Project in Computer Science (c) 4
07.484 Advanced Project in Computer Science (d) 4
07.485 Advanced Project in Computer Science (e) 8
53.332 Custom Integrated Electronic Design 4
As prescribed for the Degree of Bachelor of Engineering. Enrolment requires the permission of the Head of Department of Computer Science and the Head of Department of Electrical and Electronic Engineering.

Diploma in Computer Science
See under Diploma Regulations and Prescriptions.

Postgraduate Research: MSc Thesis and PhD
Facilities are available for MSc and PhD research in a range of topics in Computer Science. Further information is available from the Head of Department. The PhD course usually takes between two and three years of full-time study and research.

DEPARTMENT OF MATHEMATICS

Basic Skills
A course covering basic skills in mathematics is offered by the Student Learning Centre. It is designed for students who have not studied mathematics for some years or those whose background in mathematics is weak. It meets each week during the first term for a lecture or tutorial session; ongoing assistance is available throughout the year if required. Students can obtain notes with numerous worked examples as well as access to computers with further examples. Register for this non-credit course with the Student Learning Centre, 1st floor Library Building.

The six papers 26.100, 26.101, 26.151, 26.152, 26.251, 26.252 form a sequence of combined algebra and calculus. Each paper is taught for half a year and each is offered in each half of the year. Except with the approval of the Head of Department, students may enrol in at most one of these papers in each half year. Each paper is effectively a prerequisite for the next paper in the sequence. However these prerequisites will be waived for students with adequate background as follows: students without 7th form mathematics and with little background in mathematics will enrol in 26.100; students scoring 55 or fewer marks in a Bursary Mathematics paper, or the equivalent, will enrol in 26.101; students scoring over 55 marks in a Bursary Mathematics paper, or equivalent, will enrol in 26.151. In all these cases students may choose to enrol in the paper specified above in the first half year and in its immediate successor in the second half year.


26.091 Mathematics for Wellesley Programme
Refer to Wellesley Programme under General Statutes and Regulations in this Calendar.

Stage I Papers
26.100 Mathematics 1
Students without 7th form mathematics and with little background in mathematics will enrol in this paper. Basic algebra and trigonometry, coordinate geometry of polynomial functions, solution of linear and quadratic equations and inequalities.

E26.100 Mathematics 1
As prescribed for 26.100. This paper is taught at the Auckland College of Education.

26.101A Mathematics 2
This paper is intended for students with insufficient background to take the standard Stage I papers. Students scoring more than 55 in Bursary Mathematics may not enrol in this paper. Binomial theorem, linear programming, rational functions, numerous worked examples as well as access to computers with further examples. Register for this non-credit course with the Student Learning Centre. It is designed for students who have not studied mathematics for some years or those whose background in mathematics is weak. It meets each week during the first term for a lecture or tutorial session; ongoing assistance is available throughout the year if required. Students can obtain notes with numerous worked examples as well as access to computers with further examples. Register for this non-credit course with the Student Learning Centre, 1st floor Library Building.

The six papers 26.100, 26.101, 26.151, 26.152, 26.251, 26.252 form a sequence of combined algebra and calculus. Each paper is taught for half a year and each is offered in each half of the year. Except with the approval of the Head of Department, students may enrol in at most one of these papers in each half year. Each paper is effectively a prerequisite for the next paper in the sequence. However these prerequisites will be waived for students with adequate background as follows: students without 7th form mathematics and with little background in mathematics will enrol in 26.100; students scoring 55 or fewer marks in a Bursary Mathematics paper, or the equivalent, will enrol in 26.101; students scoring over 55 marks in a Bursary Mathematics paper, or equivalent, will enrol in 26.151. In all these cases students may choose to enrol in the paper specified above in the first half year and in its immediate successor in the second half year.


26.091 Mathematics for Wellesley Programme
Refer to Wellesley Programme under General Statutes and Regulations in this Calendar.
E26.101 Mathematics 2
As prescribed for 26.101. This paper is taught on the campus of the Auckland College of Education. It is also taught at the City Campus of the University as 26.101 and on the Tamaki Campus with the paper number T26.101. This is a full year paper.

T26.107 Algebra and Calculus
This paper is available for BTech students only and is taught at the Tamaki Campus.

26.108 Algebra and Calculus for Commerce
Algebra and calculus and their application in business and economics: sets; real numbers; integers; matrices; linear algebra including linear functions, equations and inequalities, linear programming; non-linear algebra including non-linear functions, equations and inequalities; limits and continuity; differential calculus of one and several variables; integral calculus of one variable.

T26.108 Algebra and Calculus for Commerce
As prescribed for 26.108. This paper is taught at the Tamaki Campus.

26.131A Advanced Mathematics 1
Introduction to linear algebra and real analysis: the real line, linear equations, vectors and geometry, differential calculus of one variable. This paper is taught in the first half of the year.

26.132B Advanced Mathematics 2
Further linear algebra: matrices and determinants, vector spaces, basis and dimension, linear transformations. Integral calculus and ordinary differential equations. Further real analysis: sequences and series, Taylor series. This paper is taught in the second half of the year.

26.151A Mathematics 3
Brief introduction to mathematical modelling, number systems, induction, polynomials, and the real line. Introduction to linear algebra, systems of linear equations, vectors and geometry. Functions, limits, differential calculus, curve-sketching. Complex numbers. This paper is taught in the first half of the year.

T26.151 Mathematics 3
As prescribed for 26.151A. This paper is taught for the full year at the Auckland College of Education.

T26.151A Mathematics 3
As prescribed for 26.151A. This paper is taught at the Tamaki Campus.

26.151B Mathematics 3
As prescribed for 26.151A. This paper is taught in the second half of the year.

26.152A Mathematics 4
The integers and their properties, Euclidean algorithm, introduction to discrete mathematics. Integral calculus, logarithmic and exponential functions, integration methods. Further linear algebra: metric properties of vectors, matrix algebra, determinants, introduction to eigenvalues and eigenvectors. This paper is taught in the first half of the year.

T26.152 Mathematics 4
As prescribed for 26.152A. This paper is taught in the second half of the year.

T26.152B Mathematics 4
As prescribed for 26.152B. This paper is taught at the Tamaki Campus.

26.162 Introduction to Applied and Computational Mathematics
Introduction to mathematical techniques and computer programming for scientific applications. Introduction to mathematical modelling and the computer simulation of problems arising in sciences.

T26.162 Introduction to Applied and Computational Mathematics
Introduction to mathematical techniques and computer programming for scientific applications. Introduction to mathematical modelling and the computer simulation of problems arising in sciences.

Stage II Papers
In accordance with Regulation 5 of the BSc Regulations and Regulation 8 of the BA Regulations, the Head of Department may waive the prerequisites listed in the Schedule in particular cases. The papers 26.251 and 26.252 have 26.152 as prerequisite. Both papers will be taught for half a year and each will be offered in each half year.

26.200 Tutoring in Mathematics
A predominantly practical course in which selected students learn mathematics tutoring skills in a first year university Mathematics classroom situation. Five weeks of lectures are given prior to the commencement of the practical component. Normally, students in this course will have passed at least Stage 1 credits including at least 12 in Mathematics, and concurrent enrolment in at least one other Stage II Mathematics paper will be required.

T26.207 Intermediate Mathematics
Matrix and vector algebra, multivariable calculus, differential equations and the use of symbolic computing with applications.

26.208 Mathematics for Commerce
This paper is available under the Regulations for the Degree of Bachelor of Commerce. Refer to Bachelor of Commerce course prescriptions under Department of Mathematics, Faculty of Commerce.

T26.208 Mathematics for Commerce
As prescribed for 26.208. This paper is taught at the Tamaki Campus.

26.210 Principles of Mathematics
The course consists of a wide selection of topics from various branches of Mathematics. Further information about the course may be obtained from the Department of Mathematics.

26.220 Linear Algebra
Matrices, vector spaces, linear mappings, determinants, eigenvalues and eigenvectors, non-singular reduction of quadratic forms. Sylvester's law of inertia, inner products, orthogonal reduction of real quadratic forms.

26.225 Discrete Mathematics
Elementary logic, principles of counting, induction, recursion, relations and functions, graphs and trees, algorithms.

T26.225 Discrete Mathematics
As prescribed for 26.225. This paper is taught at the Tamaki Campus.

26.231A Advanced Mathematics 3
Inner product spaces and orthogonality, eigenvalues and eigenvectors, quadratic forms. Multivariable calculus: curves and surfaces, vector analysis, multiple integration. This paper is taught in the first half of the year.

26.232B Advanced Mathematics 4
Special topics in advanced mathematics. This paper is taught in the second half of the year.

*26.240 Calculus
Algebra and geometry of vectors in three dimensional space; calculus of vector valued functions, curves, functions of several variables, partial derivatives, chain rule, maxima and minima, div, grad and curl; multiple integrals; least upper bounds; sequence and series, introduction to power series.

26.251A Mathematics 5
Vectors and matrices; inner products and orthogonal matrices; symmetric matrices. Limits. Sequences, series and tests for convergence. Curves. Limits, continuity and differentiation of functions of several variables; tangent planes, chain rule, directional derivatives, gradient, maxima and minima, Lagrange multipliers. This paper is taught in the first half of the year.

26.251B Mathematics 5
As prescribed for 26.251A. This paper is taught in the second half of the year.

26.252A Mathematics 6
Vector spaces and linear transformations; inner product spaces and orthogonal maps. Similarity, spectral decomposition of matrices. Orthogonal diagonalization of symmetric matrices, quadratic forms. Double and iterated integrals; double integrals in polar coordinates. Vector fields, line integrals, Green's theorem. This paper is taught in the first half of the year.

26.252B Mathematics 6
As prescribed for 26.252A. This paper is taught in the second half of the year.

26.260 Differential Equations
Methods for the solution of ordinary differential equations, including the solution of differential equations in terms of elementary functions, and qualitative and elementary numerical

**T26.267 Applied and Computational Mathematics**
Building and solution of models related to a variety of dynamical systems with examples from economics, environmental systems and industry. These models are often in the form of differential or difference equations and the paper will consider methods for their solution using symbolic and numerical computation packages. The numerical analysis of these methods will also be discussed.

*26.270 Principles of Mechanics*

**26.290 Numerical Computation**
This course is an introduction to some algorithms that are used to solve frequently occurring problems in scientific computation. The problems covered include linear and non-linear algebraic equations, interpolation, quadrature and ordinary differential equations. The use of a high-level programming language in scientific computation is also taught.

**Stage III Papers**
In accordance with Regulation 5 of the BSc Regulations and Regulation 8 of the BA Regulations, the Head of Department may waive the prerequisites listed in the Schedule in particular cases.

†26.310 Special Topic
†26.313 Special Topic

**26.314 Introduction to Mathematics Education**
This course considers mathematics education in New Zealand with an emphasis on its socio-political context, models of learning, curriculum issues and assessment of mathematics learning.

**26.315 Formal Logic**
Formal systems, proof-theoretic and model theoretic approaches to classical and modal sentential logic, introduction to first-order logic.

**26.316 History of Mathematics**
A study of some topics in the history of mathematics which facilitate the understanding of modern mathematics. This is a full year course.

Note: A two-credit version of this paper is also available as Education 14.510 for the Diploma in Mathematics Education.

**26.320 Algebraic Structures**
†26.321 Introduction to Abstract Algebra
Groups, rings, unique factorisation domains, fields. The object of these courses is to give a basic introduction to modern algebra, exclusive of linear algebra. They are alternative courses, and only one of them may be selected by any student. Both courses are acceptable and suitable as a prerequisite for relevant 400 level papers, and the Mathematics Department reserves the right to direct which of these courses a particular student shall take.

**T26.323 Algebraic and Combinatorial Structures**
A selection of topics from algebraic and combinatorics involving groups, rings, fields, enumeration, graphs (networks), designs, and codes. An emphasis will be placed on applications to computer science, commerce, science and technology.

**26.325 Combinatorial Structures**
A selection of topics involving enumeration (generating functions and Polya's method), designs and codes, with applications. This paper is taught in the second half of the year.

**26.330 Introductory Analysis**
Elements of set theory, the real number system, sequences and series of functions, uniform convergence, Riemann integration. This paper is taught in the first half of the year.

**26.331 Analysis (Accelerated Course)**
A unified paper covering analytic and topological concepts needed for multivariable calculus. Differential and integral calculus of vector-valued functions of several variables with applications. Differential forms and Stokes' theorem. Enrolment in this paper requires permission from the Head of Department of Mathematics and permission is normally given to students who have completed 26.231 successfully or who have achieved a high grade in 26.132 or 26.252.

**26.335 Metric and Normed Spaces**
Metric and normed linear spaces with particular reference to n-dimensional Euclidean space and C(a,b), compactness, connectedness, completeness and their applications. This paper is taught in the second half of the year.

**26.340 Multivariable Calculus**
Differential and integral calculus of vector-valued functions of several variables and applications. *26.340 Multivariable Calculus* As prescribed for 26.340. This paper is taught at the Tamaki Campus.

**26.345 Techniques of Complex Variables**
Analytical functions, power series, calculation of integrals by residues. This paper is taught in the first half of the year.

*26.340 Topics in Topology*
A selection of topics chosen from topology or differential geometry. Enrolment in this paper requires permission from the Head of Department.

**26.355 Geometry**
A selection of topics chosen from axiom systems, affine geometry, Euclidean and non-Euclidean geometry, projective geometry, inversive geometry, convexity.

**26.360 Applied Analysis**
Differential equations, the special functions of applied mathematics, orthogonal polynomials, Fourier series, boundary value problems.

**26.362 Special Topics in Applied Mathematics (a)**
Enrolment in this course requires permission from the Head of the Department. If this paper is offered further information may be obtained from the Department of Mathematics.

**26.363 Special Topics in Applied Mathematics (b)**
Enrolment in this course requires permission of the Head of Department. If this paper is offered, further information may be obtained from the Department of Mathematics.

**T26.367 Advanced Applied and Computational Mathematics**
This paper will emphasise the building and solution of models relating to a variety of industrial problems. Numerical methods for the solution of ordinary and partial differential equations including stiff systems will be considered with particular emphasis on those that arise in commerce, science and technology.

**26.368 Mathematical Theory of Control**
Dynamical systems, time domain and frequency domain analysis, the exponential matrix, transfer functions, discrete-time systems. Linear control systems, feedback, stability, Nyquist and Liapunov theory.

**26.371 Introduction to Continuum Mechanics**
Vector and tensor. Analysis of stress and strain. Constitutive relations and field equations. Introduction to fluid mechanics and linear elasticity theory.

**26.372 Analytical Mechanics**
Idea of the calculus of variations, Lagrange's equations for mechanical systems. Application to rigid body dynamics and vibrations.

**26.375 Applied Partial Differential Equations**
Mathematical and physical classification of partial differential equations into hyperbolic (propagation processes), parabolic (diffusion processes) and elliptic ('steady state' processes). Modelling with partial differential equations, illustrations of solution procedures using both analytical and numerical techniques.

**26.376 Theory of Waves**
This paper presents a unified treatment of wave phenomenon. Oscillations and waves, Fourier analysis, linear and nonlinear waves, dispersion. Application to sound, water and electromagnetic wave motions.

**26.390 Numerical Analysis**

†26.399 Applied Mathematics Laboratory
Definition, analysis and solution of practical problems associated with applied mathematics courses in mechanics, statistics and operations research. Emphasis will be placed on preparation of initial problem specifications, implementation of algorithms, and computer programs and presentation of results.
Courses for MA, MSc and Honours

The prerequisites for the MA and MSc Degrees are: Mathematics 26.252 or equivalent papers approved by the Head of Department, at least three (or, in exceptional cases, two) of 26.225, 26.260, 26.280, 26.281, 26.290, 26.293 plus sixteen 300 or 400 level credits approved by the Head of the Department of Mathematics, including at least 12 credits in Pure or Applied Mathematics.

Prospective Master's students should consult the Department of Mathematics for further details, preferably when they enrol for their 300 level papers. Not all 400 level papers listed will be offered each year. The list of papers to be offered and their prescriptions will be determined each year and intending students should request the postgraduate courses booklet available from the Department. The number of credits for each paper is given after the titles below.

A candidate must normally complete a thesis or advanced course of study not later than twenty-four months after first enrolment for this Degree.

<table>
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<tr>
<th>Course Title</th>
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<tr>
<td>26.401 Topic in Pure Mathematics A</td>
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<td>26.402 Topic in Pure Mathematics B</td>
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<td>26.406 Topic in Mathematics Education</td>
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<td>26.407 Topic in Mathematics Education</td>
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<td>26.410 Introduction to Mathematical Logic</td>
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<td>26.411 Topic in Mathematical Logic</td>
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<td>26.412 Recursive Functions</td>
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<td>26.413 Set Theory</td>
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<td>26.414 Automated Reasoning</td>
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<td>26.415 Automata Theory</td>
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<td>26.416 Algebraic Combinatorics</td>
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<td>26.417 Graph Theory</td>
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<td>26.418 Lattice Theory</td>
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<td>26.419 Universal Algebra</td>
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<td>26.420 Field Theory and Galois Theory</td>
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<td>26.421 Rings, Modules and Categories</td>
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<td>26.422 Number Theory</td>
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<td>26.423 Commutative Algebra</td>
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<td>26.424 Algebraic Geometry</td>
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<td>26.425 Group Theory</td>
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<td>26.426 Applied Linear Algebra</td>
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<td>26.427 Measure and Integration A</td>
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<td>26.428 Special Topic in Algebra</td>
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<td>26.432 Functional Analysis</td>
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<td>26.434 Applied Functional Analysis</td>
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<td>26.435 Lie Groups and Lie Algebras</td>
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<td>26.436 Analysis on Manifolds</td>
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<td>26.437 Operator Theory</td>
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Prospective Master's students should consult the Department of Mathematics for further details, preferably when they enrol for their 300 level papers. Not all 400 level papers listed will be offered each year. The list of papers to be offered and their prescriptions will be determined each year and intending students should request the postgraduate courses booklet available from the Department. The number of credits for each paper is given after the titles below.

A candidate must normally complete a thesis or advanced course of study not later than twenty-four months after first enrolment for this Degree.
Faculty of Science

**26.439 Topological Vector Spaces (2)**
Locally convex spaces and semi-norms, bounded sets, Hahn-Banach theorem, dual spaces and topologies, Krein-Milman theorem, barrelled and bornological spaces; inductive limits, closed-graph theorems, completeness.

**26.440 Complex Analysis A (2)**
Complex analysis is fundamental to the study of many areas of analysis, geometry and physics and finds fundamental applications in many fields such as fluid flow, potential theory, signal processing, number theory, dynamical systems, low-dimensional geometry and topology and much more. Thus one needs a good grounding in this area to order to study mathematics at higher levels and this paper, and its sequel 26.441, aim to provide this grounding. The topics include: Analytic and Harmonic functions, Contour integrals, Cauchy Integral Formula, Liouville Theorem, The Residue Theorem, Schwarz’s Lemma, Hyperbolic geometry. Conformal and other applications of the topics, such as the Argument Principle and its consequences.

**26.441 Complex Analysis B (2)**
This paper is the sequel to 26.440. It covers a variety of topics in complex analysis. The highlights being the Riemann Mapping Theorem (via normal families), the Mittag-Leffler and Weierstrass Theorems, and Analytic continuation.

**26.442 Applied Complex Analysis (2)**

**26.443 Riemann Surfaces (2)**

**26.444 Summability Methods (2)**

**26.445 Quasiconformal Analysis (2)**

**26.446 Topics in Analysis A (2)**
This paper is intended as an advanced topics paper in complex analysis. A selection of topics will be covered from year to year perhaps including current research areas. Topics may include Several complex variables, Riemann Surfaces, Potential theory, Holomorphic dynamical systems and Discrete Groups.

**26.447 Topics in Analysis B (2)**

**26.448 Special Topics in Analysis (4)**

**26.449 Advanced Topics in Analysis (4)**

**26.450 Topology (2)**
Topological Spaces and methods constructing new spaces from old; continuity of functions between topological spaces; separation axioms; countability axioms; connectedness axioms; compactness in topological spaces; characterization of normality; metrisation theorems.

**26.451 Algebraic Topology (2)**
Covering spaces; fundamental group; homology groups; applications of theorems to such situations as Brouwer’s fixed point theorem, vector fields on spheres, invariance of domain, the Jordan-Brouwer separation theorem.

**26.452 Differential Topology (2)**
Differential manifolds; smooth function between differentiable manifolds; the tangents base; the derivative of a smooth function as a linear transformation between tangent spaces; jets; surgery on manifolds; h-cobordism theorem.

**26.453 Uniform Spaces (2)**
Uniformities; uniformisation theorems; quasi-uniformities; quasi-uniformisation theorem.

**26.454 Differential Geometry (2)**
Smooth curves in space; the curvature and torsion of a curve and the tangent, principle normal and binormal vectors; Frenet formulae; smooth surfaces in space; differentiable functions and tangent vectors; the fundamental equations for the geometry of surfaces in 3-space; the Gauss-Bonnet theorems.

**26.455 Linear Geometry (2)**

**26.456 Topics in Geometry (2)**
A study of one or more of affine geometry, Euclidean geometry, projective geometry, non-Euclidean geometry and differential geometry.

**26.457 Topics in Topology (2)**

**26.458 Special Topic in Geometry or Topology (4)**

**26.459 Advanced Topics in Geometry or Topology (4)**

**26.460 Ordinary Differential Equations A (4)**
The theory of ordinary differential equations and related problems. Initial value problems, boundary value problems, dynamical systems, qualitative behaviour, stability.

**26.461 Ordinary Differential Equations B (2)**
Further theoretical and practical questions arising from ordinary differential equations.

**26.462 Partial Differential Equations (4)**
Elliptic, hyperbolic and parabolic equations and systems of equations. Initial and boundary data. Existence and uniqueness of solutions.

**26.463 Topics in Differential Equations (2)**
Topics in ordinary and partial differential equations selected in accordance with the special interests of members of staff available at the time.

**26.464 Calculus of Variations (2)**
The optimisation of integrals of functions leading to the Euler-Lagrange equation. Application to physical problems.

**26.465 Fourier Analysis (2)**
The use of Fourier methods in the solution of mathematical problems.

**26.466 Global Analysis (2)**
Infinite dimensional manifolds, ordinary and partial differential operators on manifolds, variational problems, dynamical systems, bifurcation, chaos.

**26.467 Asymptotic Methods (2)**
The use of asymptotic analysis in the approximation of functions arising in the solution of scientific problems.

**26.468 Topics in Applied Mathematics (2)**
Topics in applied mathematics selected in accordance with the special interests of members of staff available at the time.

**26.469 Special Topics in Applied Mathematics (4)**
Further topics in applied mathematics selected in accordance with the special interests of members of staff available at the time.

**26.470 Topics in Mechanics A (2)**
Topics in mechanics selected in accordance with the special interests of members of staff available at the time.

**26.471 Topics in Mechanics B (2)**
Further topics in mechanics selected in accordance with the special interests of members of staff available at the time.

**26.472 Fluid Mechanics (4)**
The study of fluid motion using various models for fluid behaviour.

**26.473 Quantum Mechanics (4)**
The mathematical theory of quantum mechanics and its interpretation in modern physics.

**26.474 Special Topic in Mechanics (4)**
A special topic in mechanics selected in accordance with the special interests of members of staff available at the time.

**26.475 Advanced Topic in Mechanics (4)**
Advanced topics in mechanics selected in accordance with the special interests of members of staff available at the time. squares and median regression, multivariate analysis, regression and analysis of variance, random numbers, computer graphics and statistical language design. It is expected that students will do a substantial amount of programming in one of C or Pascal.

**26.476 Numerical Solution of Ordinary Differential Equations (4)**

**26.477 Numerical Solution of Partial Differential Equations (4)**

**26.478 Nonlinear Optimisation (2)**

**26.479 Mathematical Software (4)**
The design, construction and maintenance of software libraries. Computational techniques for the solution of a range of frequently occurring problems, such as function approximation, ordinary and partial differential equations, linear algebra, eigenvalues and quadrature.

**26.480 Topics in Numerical Analysis (4)**
Topics in numerical analysis selected in accordance with the special interests of members of staff available at the time.
PhD in Mathematics
The Regulations governing the Degree of Doctor of Philosophy are included in the Interfaculty section of this Calendar.

26.602 Mathematics PhD Thesis
This is a version of 528.18 I for students with a good mathematical background.

26.601 Masters Thesis (20)
Note: The number of credits for each paper is given in brackets.

Postgraduate Research: MSc Thesis and PhD
Staff and facilities are available for Masters and PhD research in many areas of Mathematics and Statistics. Research by staff covers such diverse interests as finite group theory, functional analysis, complex analysis, topology, numerical analysis and statistics.

Diploma in Mathematics Education
See under Inter-Faculty Diploma Regulations and Prescriptions.

DEPARTMENT OF STATISTICS
Prior to 1995 all Statistics papers had a prefix 26 instead of 528, for example 26.181 is now 528.181. Students may substitute any prerequisite paper in the subject schedules by the corresponding paper with a 26 prefix.

Stage I Papers
528.180 Principles of Statistics
This is a version of 528.181 for students with a good mathematical background.

528.181 Introduction to Probability and Statistics
Statistics and the process of investigation: types of statistical study; tools for exploring and summarising data; probability and distributions; estimation; confidence intervals to convey uncertainty; statistical significance (includes t-tests and p-values); quantitative variables and comparing groups (includes one-way analysis of variance); nonparametric methods; qualitative variables and tables of counts (includes chi-square test); relationships between quantitative variables (includes simple linear regression and correlation).

528.182 Introduction to Probability and Statistics
As prescribed for 528.181. This paper is taught at the campus of the Auckland College of Education.

528.187 Probability and Statistics
This paper is the standard Stage I Statistics paper for all students at the Tamaki Campus except those in the Faculty of Commerce. Its syllabus is as for 528.181, but extended to include the use of computers at the Tamaki computer laboratories for statistical analysis.

528.188 Probability and Statistics for Commerce
This is the standard Stage I statistics paper for the Faculty of Commerce. Its syllabus is as for 528.181, but it places more stress on examples from Commerce and is extended to include the use of computers for statistical analysis. Further information is available from the Department.

528.189 Probability and Statistics for Commerce
As prescribed for 528.188. This paper is taught at the Tamaki Campus and uses the Tamaki computer laboratories.

Stage II Papers
In accordance with Regulation 5 of the BSc Regulations and Regulation 8 of the BA Regulations, the Head of Department may waive the prerequisites listed in the Schedule in particular cases.

528.281 Data Analysis
Exploratory data analysis, introduction to analysis of variance and experimental design, industrial applications of statistics, regression techniques, contingency tables, goodness of fit and non-parametric methods. The emphasis is on data analysis using computers which are provided in the departmental computing laboratory.

528.282 Data Analysis for Commerce
This paper is available under the Regulations for the Degree of Bachelor of Commerce. Refer to Bachelor of Commerce course prescriptions under Department of Statistics, Faculty of Commerce.

528.283 Data Analysis for Commerce
As prescribed for 528.282. This paper is taught at the Tamaki Campus and uses the Tamaki computer laboratories.

528.284 Data Analysis for Commerce
As prescribed for 528.283. This paper is taught at the Tamaki Campus.

Stage III papers
In accordance with Regulation 5 of the BSc Regulations and Regulation 8 of the BA Regulations, the Head of Department may waive the prerequisites listed in the Schedule in particular cases.

528.381 Advanced Statistical Theory
Multivariate distributions, likelihood methods; linear and generalised linear models, analysis of variance.

528.382 Design of Surveys and Experiments
Survey methods including stratified, multistage and cluster sampling; experimental designs including incomplete block, Latin square, split plot, factorial and fractional designs. Design of clinical trials.

528.383 Topics in Total Quality Management
Statistical quality control; quality planning; total quality management; Deming approach; costs of quality; integration of operations management and quality; in both manufacturing and services; relationship between quality management and information systems.

528.384 Advanced Data Analysis
Techniques of multiple regression and analysis of variance; contingency tables and logistic regression; time series analysis.

528.385 Advanced Statistical Modelling
Mean-variance portfolio theory; options, arbitrage and put-call relationships; introduction of binomial and Black-Scholes option pricing models; compound interest, annuities, capital
redemption policies, valuation of securities, sinking funds; varying rates of interest, taxation; duration and immunisation; introduction to life annuities and life insurance mathematics.

528.391 Optimisation in Operations Research
Linear programming; Simplex and revised Simplex methods; duality and the dual Simplex method; post optimal analysis; decomposition and column generation; integer programming; cutting planes and branch and bound; dynamic programming; network analysis; transportation and flow problems.

†528.391 Optimisation in Operations Research
As prescribed for 528.391. This paper is taught at the Tamaki Campus.

528.395 Mathematical Modelling for Operations Research
Introduction to deterministic and stochastic models in such areas as queuing theory, inventory control, reliability, decision processes, scheduling, digital computer simulation, Monte Carlo methods.

BSc (Honours) in Statistics
Normally only students of proven ability (B+ or above) may be considered for entry at the Part III or Part IV level. The courses available at Part III level are such as will allow a candidate to satisfy the prerequisites for Part IV. The requirements for Part IV are given in the BSc (Hons) Regulations 16. Students who wish to take the BSc (Hons) will be permitted to complete the MSc by presenting a thesis or completing an advanced course of study as approved by the Head of the Department of Statistics.

Courses for MA, MSc and Honours
The prerequisites for the MA and MSc degrees are: Statistics 528.280, Mathematics 26.252 or 26.231, (or equivalent papers approved by the Head of Department of Statistics, or prior to 1995, 26.280, 26.220 or 26.221 or 26.222, and 26.240 or 26.241), plus twenty 300 or 400 level credits approved by the Head of the Department of Statistics. At least 12 of these 20 credits shall normally be from papers in Statistics. The student shall select papers, approved by the Head of the Department of Statistics, from Statistics 528.400 to 528.499 (or 26.479 to 26.489 prior to 1995), with a total credit value of 20 credits, together with a thesis (528.601) or an Advanced Course of Study (528.605), which will count as 20 credits. Other papers may be selected with the approval of the Heads of the Departments concerned from relevant Masters papers in the subjects Mathematics, Operations Research, Computer Science and those which offer papers with a statistical component (e.g. Biological Sciences, Social Sciences, Commerce and Engineering). Here a paper from the degree of Master of Information Engineering will count as two credits.

Up to eight of the 20 credits may be replaced by eight Stage III credits in papers approved by the Head of the Statistics Department and not taken for another Degree or Diploma. Prospective Master's students should consult the Department of Statistics for further details, preferably when they enrol for their 300 level papers. Not all 400 level papers listed will be offered each year. This list of papers to be offered and their prescriptions will be determined each year and intending students should ask for the graduate courses booklet available from the Department of Statistics. The number of credits for each paper is given after the titles below. A candidate must normally complete his or her thesis or advanced course of study not later than twenty-four months after his or her first enrolment for this degree.

†528.400 Measure Theory (2)
This is a mathematics paper in measure and integration theory. This will provide a background for students with a strong interest in Probability Theory.

†528.410 Probability Theory A (2)
Probability spaces, distribution theory, characteristic functions and limit theorems.

†528.411 Probability Theory B (2)
An extension of the work done in 528.410

†528.420 Stochastic Processes A (2)
†528.421 Stochastic Processes B (2)
These papers cover a selection of topics from point processes, queuing theory, renewal theory, Markov chains, Markov renewal processes, continuous time processes and networks.

528.423 Time Series A (2)
528.424 Time Series B (2)
These papers cover a selection of topics from stationary processes, moving average and autoregressive (ARIMA) models, modelling and estimation in the time domain, seasonal models, forecasting, spectral analysis and bivariate processes.

528.430 Statistical Inference (2)
528.432 Nonparametric Methods (2)
528.436 Topic in Probability and Statistics A (2)
528.437 Topic in Probability and Statistics B (2)
The topics chosen for the above papers will depend on the interests of the lecturers teaching the papers.

528.440 Sample Survey Theory A (2)
A selection of topics from simple random sampling, finite population central limit theorem, estimation for sub-classes, stratification, auxiliary information, multi-stage sampling, non-response, repeated surveys and adaptive sampling.

528.441 Sample Survey Theory B (2)
An extension of the work done in 528.440.

528.450 Experimental Design A (2)
The design and analysis of data from experiments involving factorial designs and designs which have the property known as general balance (this includes most of the standard designs), and factorial designs with blocking and fractional replication.

528.451 Experimental Design B (2)
An extension of the work done in 528.451.

528.455 Multivariate Analysis (2)
Selection of topics from multivariate inference, dimension reducing techniques, discriminant analysis and cluster analysis.

528.460 Generalised Linear Models (2)
Model fitting, computational techniques, inference, logistic models, log-linear models and ordered data.

528.461 Biostatistics (2)
Statistical methods used in biology and medicine.

528.462 Survival Data (2)
Selection of topics depending on the interest of the lecturer.

528.470 Statistical Methods in Marketing (2)
Stochastic models of brand choice, applications of General Linear Models in marketing, conjoint analysis, advertising media models and marketing response models.

528.471 Statistical Ecology (2)
A selection of topics from estimating animal abundance, genetics and statistical techniques used in ecology.

528.480 Statistical Consulting (2)
This paper is designed to help students develop skills in statistical consulting.

528.481 Topics in Data Analysis (2)
528.482 Statistical Computing (2)
These papers will focus on the practical aspects of data analysis. Students should be comfortable with the use of computers. Topics include EDA, robustness, statistical graphics and smoothing.

528.490 Topics in Statistics A (4)
528.491 Topics in Statistics B (4)
528.492 Topics in Statistics C (4)
528.496 Topics in Statistics D (4)
The above papers are designed to help students who have gaps in their Stage III backgrounds.

528.499 Project in Statistics (2)
PhD in Statistics
The Regulations governing the Degree of Doctor of Philosophy are included in the Interfaculty section of this Calendar.

528.662 Statistics PhD Thesis
Postgraduate Research: MSc Thesis and PhD
Staff and facilities are available for Masters and PhD research in many branches of Probability, Statistics and Statistical Computing. Further details can be obtained from the Department of Statistics. Students intending to do a Master's thesis should have reached a satisfactory level of attainment in a BSc (Hons) or in the first year of a Master's degree. Students who wish to enrol for a PhD need to have obtained a good level of Honours for their BSc (Hons) or Master's degree.

Diploma in Statistics
See under Diploma Regulations and Prescriptions.
MEDICAL SCIENCE
The MSc in Medical Science is taught by several Departments in the School of Medicine. Students who intend to take the course should consult as early as possible (preferably by 1 December of the preceding year) the Dean of Science, Chairman of the Committee for the MSc in Medical Science, who acts as the Head of Department for the purpose of the MSc Regulations.

The course consists of three papers and a thesis 89.601 which counts as three papers. The papers are selected from: the six papers in Medical Science 89.401-406, Biological Sciences 39.480 to 39.483, Molecular Medicine 98.402, Physiology 67.401-407, Psychology 32.406, 410, 416, 419 and Pharmacology 96.401, 96.404-407.

89.401 Neuroanatomy
An introduction to experimental techniques. The organisation of the mammalian nervous system with particular emphasis on the cellular, chemical and connectional anatomy of the sensory and motor systems.

89.402 Immunobiology
An intensive analysis of the ontogeny of cells that comprise the immune system, the genes and hormones that regulate differentiation and the processes underlying lymphocyte recognition. Emphasis is given to the molecular mechanisms regulating immunity.

89.403 Cell and Tissue Injury
An in-depth consideration of the mechanisms involved in cell and tissue injury, the ways such injury and the response to it become manifest as disease, and a critical evaluation of the various methods to conduct research in this field.

89.404 Cancer Biology
The biological and molecular basis of cancer development and tumor growth and metastasis. Principles of radiobiology and cytotoxic therapy of cancer, with the emphasis on molecular mechanisms.

89.405 Biology of Mammalian Growth
This paper will review the biochemistry and physiology of prenatal and postnatal mammalian growth with a particular emphasis on the role of genetic, endocrine, paracrine and nutritional influences. The paper will include emphasis on growth in ruminant species, the control of carcass growth, fibre growth and lactation, as well as the regulation of growth in monogastric species (eg man). The paper will be taught within the Department of Paediatrics; it will include 20 lectures/active student participation in seminars, and each student will prepare two essays.

89.406 Perinatal Physiology
This paper is taught by the Department of Paediatrics. Historical introduction, methodology of fetal investigation, fetal oxygenation, placental physiology, fetal cardiovascular physiology, ontogenesis of sleep, neural physiology of the fetus or respiratory control, maturation of the lung, maturation of the neuroendocrine axis, control of parturition, uterine function, fetal renal function and fluid balance, fetal metabolism and the regulation of fetal growth; the neonatal adaptation, ontogenesis of thermoregulation.

The paper is taught in lectures plus student seminars and practicals.

89.407 Development of Immunity
The basis of antigen uptake and processing, genes of the major histocompatibility complex, development of thymus-derived lymphocytes and regulation of classes of immune responses.

DEPARTMENT OF OPTOMETRY
Part I Optometry

74.111 Introduction to Computing and Computer Applications
As prescribed for the Bachelor of Science.

39.104 Biology for Biomedical Science
As prescribed for the Bachelor of Science.

744.101 Geometrical and Physical Optics
Optical radiation. Refraction and reflection at plane and spherical surfaces, prisms, thick lens theory, magnification stops, paraxial and finite ray tracing, aberrations, optical design, wave theory, interference, diffraction, absorption and scattering, polarization, thin filter optics, coherent optical processes, holography, fibre optics, optical materials.

744.104 Introduction to Biochemistry
Organic chemistry, nomenclature, structure, isomerism, polymers, lipids, carbohydrates, amino acids, proteins, enzymes, polysaccharides. Introduction to metabolism, enzymes.

744.105 Ocular Anatomy and Physiology

744.110 Visual Science
Light and vision, dark adaptation, spatial vision, visual acuity. Contrast sensitivity, temporal vision, flicker and intermittent stimulation. Visual form perception, illusions, enoptic phenomena, psychophysical measurement, visual neurophysiology. Colour science, colour mixing, trichromaticity of vision, colorimetry, colour vision, colour contrast. Eye movements, reference points, saccades, isogaze movement. Binocular vision, the horopter, cyclopean vision, ocular dominance.

744.120 Visual Optics

Part II Optometry

744.206 Applied Optics

744.207 Pharmacology
General principles of drug actions on organ systems and the central and peripheral nervous systems. Characteristics of drugs producing miosis, mydriasis, cycloplegia, accommodative spasm and anaesthesia of ocular surfaces. Therapeutic medicines.

744.211 Visual Science II

744.222 General Pathology and Microbiology
Mechanisms of disease, infection, inflammation, repair, cardiovascular disease, neoplasms, ageing. The properties of bacteria, viruses, chlamydiae, fungi and protozoa, microbiological techniques.

744.231 Optometry II
Refractive anomalies of the eye, aetiology, heredity and environmental factors, epidemiology, the growing eye, emmetropization, the ageing eye. Prevalence, classification and

**744.232 Optometry II**
The history and philosophy of optometry as a health care profession, scope of optometric practice, optometric organisations. The optometric examination, methods of history-taking, optometric examination techniques. Assessments of ocular health, clinical problem-solving, basic communication skills.

**744.234 Diseases of the Eye**
Diseases of the eye, orbit, lacrimal apparatus and visual pathways.

**Part III Optometry**

**744.315 Community Optometry**

**744.325 General Optometric Practice**
Examination of patients in the Optometry Clinic under supervision. Instruction in the routine optometric examination and in the diagnosis and management of disorders of the visual system. Optometric needs of particular groups.

**744.326 Diseases of the Eye**
Diseases of the eye and ocular signs of systemic disease, management of patients with visual disorders. Examination of patients in the Optometry Clinic, Hospital Eye Departments and other sites.

**744.335 Contact Lens Practice**
Special examination procedures for contact lens practice, contact lens design and principles of fitting. Disinfection procedures, patient instruction. Signs and symptoms associated with contact lens wear and lens modification procedures.

**744.336 Geriatric Optometry and Low Vision Practice**
Ocular and vision problems of the elderly. Epidemiology, aetiology, signs and symptoms of low vision. Optometric examination and management of the low vision patient, interdisciplinary rehabilitation resources, counselling and referral, Optics of low vision appliances.

**744.337 Paediatric Optometry and Visual Training**

**744.338 Practice Management**
Introduction to law, optometric legislation, codes of practice, ethics, starting a practice, modes of practice, partnerships, practice management, computer software packages, advertising, total quality management (TQM) in optometric practice, continuing education, competency.

**Part IV Optometry**

**744.401 Advanced Clinical Optometry I (4 papers)**
Clinical work with responsibility under supervision for patients over a period of ten months. The clinical work will be conducted in the optometry clinic with increasing emphasis on special areas in optometry including contact lenses, low vision, paediatric optometry and practice management. At the conclusion of this work, there will be a major examination consisting of written papers, oral and clinical examination in general optometry and special areas in optometry.

**744.402 Advanced Clinical Optometry II (2 papers)**
Supervised clinical work in external clinics, which may include private optometric practice, hospital eye department, overseas institution or experience in some other approved location to run concurrently with paper 744.401. Assessment will be based largely on the work carried out during this period.

**744.441 Project**
Experimental design, sampling, report writing, ethics. Students are required to complete an investigation into an approved topic relating to optometry or visual science, including clinical and applied research.

**Optometry for MSc**
(Two papers selected from 744.551 to 744.544 and one from another subject approved by the Head of Department and a thesis 744.601 which shall count as three papers). This course normally requires fifteen months to two years and necessitates full-time attendance to achieve Honours. Students who propose to undertake the MSc Degree and should consult the Head of Department towards the end of the year prior to enrolment.

**744.551 Physiological Optics**
A review of selected areas of physiological optics.

**744.552 Determinants of Visual Optics**
Environmental, genetic and geographical factors in the aetiology of human refractive error. The stimulus to accommodation, dark focus, mechanisms of accommodation, and presbyopia.

**744.553 Advanced Analysis of Visual Functions**
Assessment of visual function, contrast sensitivity functions; effects of defocus and intra-ocular scatter. Vision at low luminance levels.

**744.554 Special Topic**
The study of selected fields of Optometry at an advanced level with detailed study of one particular field. The topic will be prescribed by the Head of Department.

**PACIFIC STUDIES**

**79.102 Indigenous Knowledge and Western Science: Perspectives from the Pacific**
This paper provides students with the opportunity to learn about both indigenous and western scientific and technological accounts of the natural world, specifically the islands of the Pacific including New Zealand. Selected topics will be examined using a bicultural approach, involving both an expert in traditional knowledge and a scientist trained in the western scientific paradigm. Where possible each topic will include both a "pure" and an "applied" component, the latter focusing on current environmental issues. The paper aims to encourage students to think about what constitutes "scientific knowledge", and to evaluate the role and utility of both western scientific and traditional knowledge in dealing with current environmental issues of concern in the Pacific.

**DEPARTMENT OF PHARMACOLOGY AND CLINICAL PHARMACOLOGY**

**Stage III Courses**

**96.301 Principles of Pharmacology**
(One paper and practical work.)
An introductory course on the principles of pharmacology. Topics are passage of drugs across membranes; drug distribution, metabolism and elimination; pharmacokinetics; mechanism of drug action; drug toxicity; drug development and evaluation.

**Lectures:** Students will attend two lectures a week.

**Laboratories:** Students are required to attend practical classes of not less than three hours a week. Performance in laboratory work will contribute to the final grade of the course.

A maximum number will be determined by the available accommodation.

**96.302 Systematic Pharmacology**
(One paper and practical work.)
This course examines specific aspects of pharmacology, particular emphasis being placed on mechanism of action, and the modification of function by drugs. The actions of drugs on excitable membranes, membrane bound enzymes, intermediate messengers will be considered. The modification by drugs of peripheral and central neurotransmission, and cardiovascular,
Students are required to attend practical classes of Lectures:
- Environmental food and radiation toxicology
- Toxicology testing, risk assessment and regulatory aspects.

Lectures: This paper provides an introduction to formal logic through the study of propositional and predicate logic.

Stage II Courses
29.201 Logic II
This course is available for BSc students with 24 or more credits. It provides an introduction to the logic, methodology, ontology and epistemology of science, and other problem areas where philosophy intersects with foundational issues in the special sciences. No prior acquaintance with philosophy will be presupposed. However, students may be required to master some elementary logic.

Stage III Courses
29.260 Introduction to Philosophical Issues in Science
This course is available to Tamaki Science students who have at least 24 credits. It provides a discussion of: varying conceptions of science, e.g., the theories of Newton, Karl Popper and other scientists and philosophers; the nature of theories and laws and whether science can provide a correct picture of unobservable reality; the nature of explanation and prediction in science. No prior acquaintance with Philosophy is presupposed.

Stage III Course
29.305 Logic III
A course in mathematical logic, focussing on a study of formal systems in general and some aspects of automatic theorem proving.

DEPARTMENT OF PHYSICS
Stage I Courses
Students should select Stage I Physics papers according to their background preparation in Physics, and the major subject they intend to pursue for their degree or the requirements of the professional degrees in which they may be enrolling. The standard first year course for students intending to advance in Physics and/or a related discipline comprises the 31.140 and 31.150 papers. These papers, taken together, provide students with a comprehensive foundation knowledge of the Physics of both macroscopic and microscopic systems. However, they may also be taken as single papers to either supplement or satisfy a specific requirement of an alternative course of study.

Students intending to advance in Physics should note the prerequisites in pure and applied mathematics for stage II and III Physics papers. If intending to advance to stage III Physics, students should enrol in 26.152 in their first year of study. BSc students with a special interest in electronics may enrol in 31.116, but they will also be required to take (or have taken) 31.140 as a corequisite.

The prescribed Physics papers for Engineering students are 31.114 and 31.144. For BE students intending to take a further Physics paper as an elective, paper 31.150 is recommended. The Physics papers T31.122 and T31.132 have been developed to suit the requirements of the courses available only at the Tamaki campus. This paper T31.122 is recommended for BSc students with an interest in the physics of energy and the environment, and T31.132 is recommended for BSc students of Physics.
interested in the physics of technology. Students intending to enrol at Tamaki should also note that for prerequisite purposes, a pass in both T31.122 and T31.132 is equivalent to a pass in both 31.140 and 31.150.

For all of the seven papers specified above, namely 31.114, 31.116, 31.140, 31.144, 31.150, T31.122 and T31.132, a B-bursary (or equivalent) background standard in Physics and Mathematics will be assumed to have been reached by students.

The paper 31.124 is recommended for students with primary interests in areas of biological sciences, and assumes a knowledge of Bursary-level Physics.

All programmes in Technology include at least one Physics paper in the first year of study, as detailed in the degree course regulations for the BTech degree.

For students interested in the philosophical and historical development of Physics, paper 31.101 is strongly recommended. Similarly those students interested in obtaining a basic understanding of how application of the principles of Physics helps us better understand and appreciate the physical world around us are advised to enrol in paper 31.102. Paper 31.107 provides an introduction to aspects of astronomy for any students with an interest in that topic. None of these three papers assumes any knowledge of Physics at a formal level.

Note: Very able students enrolled in 31.140 may be invited to participate in an advanced lecture series or may be exempt from some or all of the Stage I papers. Consideration will be based on results in examinations for University Bursaries and Entrance Scholarships and NZ EST Scholarships in both Physics and Mathematics. Enquiries should be made to Head of Department.

31.101 The Physical Universe

Two lectures and a one-hour demonstration/tutorial session per week for the whole year. Available for both BSc and BA students.

The course is descriptive in nature and requires a minimal background in Mathematics and Physics. It gives an overview of the major developments in Physics since the time of the Greeks. It discusses how the evolution of Physics from the Classical to the Modern period has given rise to philosophical problems and how these have affected our understanding of the universe. Among the topics covered are the development of physics from Aristotle to Newton, the forces of nature and attempts to unify them, and the ideas of quantum mechanics and relativity. Demonstration experiments are conducted from time to time. Student work emphasises essays and tutorial discussion.

31.102 The World of Physics

Two lectures per week and a one-hour tutorial session for the whole year. Available for both BSc and BA students. The course seeks to provide an understanding of many of the phenomena of the natural world around us and the physics of many human activities. Some of the themes will be the physics of our environment, the physics of sports and music, physics in medicine, light and lasers, the laws of motion and a study of the physics of the solar system and satellite orbits.

31.107 Planets, Stars and Galaxies

The astronomical objects in the universe, tools for astronomical investigation, stellar evolution, the Hertzsprung-Russell diagram, quasars and black holes, cosmology.

31.114 Measurement and Instrumentation for Engineering

This paper is for first year Bachelor of Engineering students. Principles of physical and electrical measurements, analogue and digital instrumentation, basic data acquisition and signal processing.

31.116 Measurement and Instrumentation

This paper will cover features which are common to many physical measurements: eg. statistical analysis of data, basic electric circuit theory and elementary electronics, analogue and digital electronic instruments, transducers and the physical principles utilised in their design and application.

31.122 Physics of the Environment

The paper will appeal especially to students who wish to specialise in an area of environmental studies. Thermal physics: heat, transport and radiation in the atmosphere and hydrosphere. Mechanics, fluid flow and alternative energy systems. The physics of electrical generation and distribution. Oscillations and waves in acoustics and in geophysics. The physics of energy production. This paper is taught at the Tamaki Campus.

31.124 Physics for the Life Sciences

This paper is intended for students who wish to specialise in an area of biological and biomedical science. Topics relevant to studies in those areas are covered, including mechanics, heat and energy, thermodynamics, fluids, waves and sound, light, electricity and instrumentation.

31.132 Physics of Technology

This paper is part of the BTech (Information Technology) course and will also appeal to BSc students with similar interests. Electric circuits, electric and magnetic fields and their applications in electronics and communications technology. Quantum effects and atomic structure with reference to solid state and other high technology devices. Lasers and optics in communication. An introduction to the sub-atomic world. This paper is taught at the Tamaki Campus.

31.140 Foundations of Classical Physics

This paper is intended to be a broad introduction to Physics. It is suitable for students who wish to advance in the subject as well as for those who wish to apply physical principles in other disciplines. Mechanics, wave-motion, sound and light, electromagnetism.

31.144 Physics for Engineering

This paper is for first year Bachelor of Engineering students.

31.150 Foundations of Modern Physics

This paper will appeal to students advancing in Physics as well as those who would like some awareness of the excitement of modern developments in the areas of thermal physics, radiation, relativity and quantum physics.
III
Stage
This paper is specifically designed for students with a practical interest in digital computer hardware. It covers electric circuit theory, semiconductor devices, circuit applications, principles of electronic design and instrumentation. The lectures comprise the first half of 31.245.

31.240 Electronic Physics
This paper provides a fundamental understanding of basic electronic circuits and systems with special emphasis on their application to digital computer hardware. It covers electric circuit theory, semiconductor devices, circuit applications and principles of electronic design and instrumentation. The lectures comprise the first half of 31.245.

T31.240 Electronic Physics
As prescribed for 31.240. This paper is taught at the Tamaki Campus.

T31.244 Electronics
This paper provides a fundamental understanding of basic electronic circuits and systems with special emphasis on their application to digital computer hardware. It covers electric circuit theory, semiconductor devices, circuit applications, principles of electronic design and instrumentation; and digital electronics involving decision elements, basic logic, logic memory elements, logic families, sequential logic systems. It is a laboratory intensive course that should appeal to students with a practical interest in digital computer hardware.

31.245 Electronic and Applied Physics
This paper provides a fundamental understanding of electronic, optical and electromagnetic systems. It covers circuit theory, semiconductor devices, circuit applications, principles of electronic design and instrumentation, fibre optics, lenses, waveguides.

31.255 Quantum and Statistical Physics
This paper discusses Microscopic Physics. The aim is to introduce students to the concepts of quantum physics and statistical physics with applications to atoms, molecules, solids (including semiconductors), nuclei and particles. Topics will include the Schrödinger equation, the Maxwell-Boltzmann distribution and Fermi-Dirac and Bose-Einstein quantum statistics.

31.294 Digital Electronics
This paper is specifically designed for students with a practical interest in digital computer hardware. The paper is examined by continuous assessment.

T31.294 Digital Electronics
As prescribed for 31.294. This paper is taught at the Tamaki Campus.

Stage III Courses
31.325-370
The prerequisites for these papers are listed in the BSc Schedule. Students who are intending to enrol concurrently in Mathematics at Stage III level, the papers 26.340, 26.345, 26.360 and 26.375 being the most relevant. Some papers in Computer Science such as 07.100, 07.105, 07.111, 07.211 and 07.340 are also likely to be of benefit to Physics students.

Laboratory work selected from papers 31.390-392 is a corequisite for the coursework for this paper.

31.325 Advanced Classical Physics
This paper deals with Electromagnetism and Statistical Mechanics and contains material important to all further studies in Physics. Topics covered include the development of Maxwell’s Equations in differential form, and their application to electrostatics, magnetic fields, the EM wave equation and EM wave propagation. In the latter half of the course, the topics include the statistical basis of thermodynamics, entropy, temperature, partition function, classical and quantum gases, radiation, Bose condensation and superfluidity.

31.326 Laser Physics and Optoelectronics
This paper is concerned with modern advances in lasers and optics with emphasis on their applications. Topics covered include: common laser systems, resonator theory, propagation of laser beams, dispersion, optoelectronic devices, nonlinear optics, fibre optics, optical transmission systems, optical instruments and systems. The course is of value to students with interests in electrical engineering, electro optics and research in any experimental area of Physics.

31.330 Terrestrial Physics
A general introduction to the physics of the solid Earth, including aspects of the gravitational field, the rotation and figure of the Earth, seismology and the internal structure of the Earth, the Earth’s internal heat, the geomagnetic field, paleomagnetism and geodynamics. This 2 credit option is a special arrangement for applied geophysics students and has the majority of the lectures given in common with 31.335.

31.335 Geophysics
This paper includes a general introduction to the physics of the solid Earth, including aspects of the gravitational field, the rotation and figure of the Earth, seismology and the internal structure of the Earth, the Earth’s internal heat, the geomagnetic field, paleomagnetism and geodynamics. The physics of the oceans and atmosphere are treated by application of fluid mechanics to the relevant dynamical phenomena. Other topics include driven flow, circulation of the atmosphere and oceans, radiation balance and optical phenomena. A five-day field trip to the Leigh Laboratory during the May break is a compulsory part of the coursework for this paper.

31.342 Semiconductors and Devices
This paper is concerned with understanding the electrical behaviour of semiconductor devices. It contains material relating to the physics of semiconductor junctions, device fabrication and integration, electrical characteristics of discrete and integrated devices, circuit models and device applications. Although the paper is general in nature, and is designed to follow 31.240 and 31.245, students will benefit from concurrent enrolment in 31.345.

31.345 Analogue and Digital Electronics
This paper is relevant to the needs of students intending to undertake experimental work in any area of Physics. Topics discussed include time and complex frequency domain analysis methods applied to electrical and physical systems, Laplace transform methods, Nyquist and Bode plots, poles and zeros, feedback, phase locked loops, oscillators, modulation and noise. A systematic introduction to modern digital techniques is given, covering pulse generation, shaping and cable transmission, active and passive switching circuits, combinational and sequential logic systems.

31.355 Advanced Quantum Physics
This paper deals with the postulates of non-relativistic quantum mechanics and their application in atomic, molecular, solid-state, nuclear and particle physics. The study of these topics will be based on using the three-dimensional Schrödinger equation and will include the quantisation of angular momentum and systems in which like particles interact.

31.356 Nuclear Physics and Its Applications
This paper discusses the principles of nuclear physics in order to go on to treat such contemporary nuclear topics as: fission and nuclear power; fusion and nuclear power; nuclear astrophysics, nuclear radiations and their origins, interaction and detection.

31.370 Astrophysics
This paper builds upon the second year course 31.270 and includes the following topics: cosmology, gravitation, binary stars, synchrotron radiation, radio emissions, cosmic rays, neutron stars and current research.

Note: The Department operates a teaching observatory within the building which is made available to students.

31.380-389 Selected Topics
Subject to the approval of the Head of Department students may select not more than two topics from those offered at MSc level in Physics. Any necessary prerequisites or corequisites will be determined by the Head of Department.

These papers will be examined in a fashion appropriate to Stage III as part of the Selected Topics 380-389.

From time to time special lecture courses in Physics may be offered to students in particular areas of specialisation. These papers will be announced prior to the enrolment period in the year in which they are given.
Stage III Laboratory Courses
31.390, 391, 392 Experimental Physics A, B, C
Three general laboratory papers are available at Stage III level in Physics, and students may enrol for one or more of these in the same or subsequent years. Each paper normally occupies two-three-hour laboratory periods for half the year, but laboratory times are flexible depending on the allocation of experiments in the Advanced Laboratory and 31.392 may be spread over the whole year, at the discretion of the course organiser. Each paper will contain a representative selection of experiments from different branches of physics, but will in addition contain experiments selected as far as is practicable to suit the particular interests of students. Experiments are available in general physics, atomic and nuclear physics, electronic physics, pure and applied physics, laser physics and quantum optics. In view of the need for an understanding of experimental physics, it is expected that all students taking any of the 390-series laboratory courses will offer themselves for a period of Stage I laboratory demonstrating.

The Prerequisite for enrolment in 31.390, 391 or 392 is a pass in one of the papers 31.225, 245 or 255 (special prerequisites apply for 31.393-see below). Corequisites for all four laboratory papers are concurrent enrolment (or passes) totalling at least two credits from 31.391, 392 and 31.393. At least two of the papers 390 to 393 are required as a prerequisite to a Master of Science in Physics. 31.393 (3 credits) Experimental Geophysics
This is a joint paper offered by the Geology and Physics Departments and is the same as 21.307. For further information on this paper students should consult the entry under 21.307 Experimental Geophysics.

Physics for MSc and Honours

MSc Lecture Courses
The lecture papers given at the Honours level are of two types. The three core papers are of 33 lectures each and are given annually in terms one and two. Students must take at least two of these papers. In addition, the department offers elective papers (of 23 lecture duration) during the first half of the year which are, in general, given biennially with at least four offered in each year. Students must select 5 papers (normally two core and three elective papers). The thesis counts as five papers. Core papers must be taken in the first year of enrolment. Students will be assisted in their selection of papers at enrolment but should feel free to discuss their proposed course of study, including an area of interest for thesis work, with lecturing staff before the end of the Stage III year.

There are no specific prerequisites for the individual lecture papers, but it is strongly recommended that students should have taken the appropriate corresponding Stage III paper. Concurrent enrolment in suitable Masters papers may be advised. Enrolment for COP in a supporting paper may also be recommended.

Core Papers
These papers are given annually.
31.401 Mathematical Techniques in Physics
Topics will include: convolution, continuous and discrete Fourier transforms, Laplace transforms, z-transforms and Hilbert transforms. Modulation and detection of signals in the presence of noise, signal analysis by analogue and digital processes, digital filtering, phased detectors and optical signal processing methods.
31.402 Classical Physics
Topics will include: advanced electromagnetic theory, variational formulation of electrodynamics, Liebniz-Wiechert potentials, electromagnetic wave propagation in media, radiation from moving charges; principles of generalised classical mechanics, Lagrange's equations, Hamilton's principle, Hamilton's formulation, conservation laws, special relativity and fields within the Lagrange/Hamilton framework; fluid mechanics.
31.403 Quantum Mechanics
Topics will include: A review of the general formalism of quantum theory, making use of Dirac notation, scattering theory, time-dependent perturbation theory, relativistic quantum mechanics and spin, quantum theory of radiation and introductory quantum field theory, rotations and other symmetry operations. Applications are taken from atomic, nuclear and particle physics.

Elective Papers
31.413 Statistical Mechanics
Lectures on phase transitions and critical phenomena, stochastic methods, master equations, Fokker-Planck equations and stochastic differential equations and quantum noise.
31.414 Relativity
Special relativity and an introduction to the general theory of relativity.
31.426 Optoelectronics and Laser Physics
Topics in laser physics, non-linear optics and interferometry.
31.431 Wave Propagation
A general treatment of wave propagation with applications primarily in the areas of underwater acoustics (rays and normal modes, WKB approximations, reflection coefficients) and seismology (elasticity, P and S waves, surface waves, free oscillations).
31.432 Atmospheric Physics
The fundamental processes involved in the atmosphere with emphasis on the role of solar radiation, the microphysical processes involved in the formation of clouds and rain and the physics of remote sensing.
31.434 Applied Geophysics I
31.435 Applied Geophysics II
The theory and practice of geophysical measurements, including seismic, gravity, magnetic, electrical and well logging techniques. Previous enrolment in 31.330 or 31.335, 31.393 and 21.306 is desirable.
31.443 Integrated Electronics
This paper discusses selected topics in advanced electronics.
31.453 Nuclear and Atomic Physics
31.454 Topics in Nuclear and Particle Physics
These two courses taught in alternate years may be taken in either order. The paper 31.453 lectures on the structure of nuclei and atoms together with the character of the nucleon-nucleon and electro-weak interactions. The paper 31.454 lectures on selected topics in nuclear physics or its applications and, in particle physics, on the structure of baryons and mesons and the character of the colour force.
31.455 Quantum Optics
Lectures on coherence in light, non-classical, squeezed and anti-bunched light, quantum theory of the interaction of light with atoms, manipulation of atoms by light.
31.481-499 Selected Topics
Notes: (i) The symbols O and D define papers which are given in odd and even years respectively. (ii) 31.434 and 31.435 can only be taken as a combination, as together they are equivalent to 21.406. (These papers are given jointly by the Physics and Geology Departments.)

With the approval of the Senate and on the recommendation of the Head of Department a candidate may select one Stage III Physics paper not previously taken and enrol in it as one of the Selected Topics 31.481-31.499. In such a case additional coursework may be required, and a special examination will be set. Alternatively, or additionally, under MSc Regulation 5 (a), a Masters paper in an allied subject may be taken as an elective. With the approval of the Head of Department, a core paper may be substituted for an elective paper.
31.611 Thesis
An experimental or theoretical thesis is required, and will count as five papers. Students are given advice concerning theses early in the first year of MSc enrolment and are expected to familiarise themselves with research in progress in the Department during the first half-year. Staff will be ready to discuss possible thesis topics with students during this period, with a view to final choice of topic being made prior to the end of the second term. The choice of thesis topic is subject to the approval of the Head of Department, who will consider the availability of staff and facilities over the Department as a whole.

Bound theses must be submitted within 24 months of first enrolment for the MSc Degree. Extensions of time under MSc Regulation 9 (c) will not normally be recommended and will require justification by the candidate's supervisor on grounds of special circumstances only.

The Department is prepared to meet the cost of an additional copy of the thesis for the Departmental Thesis Library and
students are asked to provide such a copy with author, year and
degree on the spine.

Research in Physics
Facilities are available for postgraduate and postdoctoral research in
Physics in a wide variety of fields. Further information is available from the Departmental Office.
The PhD Degree in Physics normally requires about two and a half
to three years full-time work. Part-time study is possible after the
initial two years.
MSc students making satisfactory progress can, with the approval
of the Head of Department, transfer to the PhD Degree in their
second year.

DEPARTMENT OF PHYSIOLOGY

Stage II

67.202 Introductory Human Physiology
(One paper)
An introduction to cellular and organ physiology and relevant
processes, particularly in human and other mammalian systems.
Topics are nervous system, muscle, motor control and sensory
function; cardiovascular and respiratory systems and blood,
with their exchange and transport functions; endocrine and
reproductive systems, with humoral control of cell metabolism;
alimentary system, digestion and absorption; kidney function;
body fluids.
Lectures: Two lectures a week.
Laboratories: Students are required to attend practical classes of
not less than two hours per week. Performance in laboratory
work will contribute to the final grade for the course.

Stage III

67.301 Systematic Physiology
(One paper and practical work.)
An advanced treatment of specific aspects of physiology which
demonstrate the interaction of function from the level of cell to
that of the whole organism. Visceral regulatory mechanisms,
regulation of body fluids, cardiovascular control, control of body
temperature, and the determinants of oxygen supply and demand
are considered in depth. Special emphasis is placed on
mammalian systems. Practical work complements the lecture
course and provides training in a wide range of the techniques
used in physiology.
Lectures: Two lectures a week.
Laboratories: Students are required to attend practical classes of
not less than two hours per week. Performance in laboratory
work will contribute to the final grade for the course.

67.302 Physiology of Cells and Excitable Tissues
(One paper and practical work.)
The physiology of excitable tissues with particular emphasis on
the nature of the physical and chemical processes involved. The
bio-physical basis for membrane potentials; the nature of voltage
and time dependent ion-selective membrane channels; synaptic
transmission; the regulation of contractile processes; and
functional differences between skeletal, cardiac and smooth
muscle will be studied in detail. The approach is quantitative and
special emphasis is placed on mammalian systems. Laboratory
work complements the lecture courses and introduces students to
the principal physiological techniques of investigation in this
field. The paper is offered in the first half-year.
Lectures: Two lectures a week.
Laboratories: Students are required to attend practical classes of
not less than 3 hours per week. Performance in laboratory
work will contribute to the final grade for the course.

67.303 Physiology of the Nervous System
(One paper and practical work.)
The role of the nervous system and general pattern of its
functional organisation. The physiology of the processing of
sensory information, of motor outputs and their control; the
integrative functions of the central nervous system, central
neural mechanisms of homeostasis and aspects of the
development of the nervous system are studied at an advanced
level. Special emphasis is placed on human and other
mammalian systems. Laboratory work complements the lecture
course and introduces students to a range of neurophysiological
techniques. The paper is offered in the second half-year.
Lectures: Two lectures a week.
Laboratories: Students are required to attend practical classes of
not less than 3 hours per week. Performance in laboratory
work will contribute to the final grade for the course.

Physiology for MSc and Honours
(Three papers and a Thesis (67.621) which shall count as three
papers.)
Students who propose to undertake the MSc Degree should consult
the Head of Department as early as possible and preferably before the end of the academic year preceding the year of
enrolment for the Degree. In consultation with the Head of
Department, students will select three papers from among those
listed below and an appropriate thesis topic. Not all the papers
listed may be offered each year and a sufficient number of
enrolments will be required in each case. With the approval of
the Senate, a Master's paper in another subject may be substituted
for one of the papers in Physiology. The emphasis in all papers
is on critical analysis of current physiology. Students will
require to read and analyse scientific writings and to present
their views on the methods of study and on the validity of the
conclusions.

67.401 Mechanisms of Physiological Control
Studies of physiological regulatory mechanisms.

67.403 Neurophysiology
Cellular and molecular mechanisms of neural function. Ion
channels; Processing of sensory information. Organisation of
sensory and motor pathways in the brain including those
involved in respiratory and cardiovascular control. Students will
review scientific literature, and be required to attend
neuroscience-related seminars. Formally assessed written
assignments will contribute to the final mark.

67.405 Methods in Physiology
An outline of the theory and practice of data acquisition and
analysis in physiology. Principles of experimental design,
instrumentation, statistics and computation are considered with
respect to specific experiments.

67.407 Physiology of Exercise and Rest
Human physiological responses and adaptations to physical
activity, including maximal exertion, occasional and habitual
exercise, exercise under special conditions (disability, heat and
cold stress, alterations in oxygen supply), and the effects of

DEPARTMENT OF PSYCHOLOGY

Stage I Papers
Two papers are offered for Psychology I which together provide a
general introduction to the psychological study of behaviour.
The papers may be taken separately. However, passes in 32.108
or 32.115, or 32.128 and in 32.109 or T32.129 are necessary for
entry to Stage II.

32.108 Introduction to General Psychology
Topics covered may include: the neurobiological basis of
behaviour; developmental psychology; social psychology;
mental abilities and measurement; personality; causes and
treatment of psychopathology; research design and analysis.
(Tutorial attendance of 1 hour per fortnight is required.)

32.109 Introduction to Developmental Psychology
Topics covered may include: learning, sensation and perception,
memory, cognition and language.
(Laboratory attendance of 2 hours per week is required.)
The second half of the paper is an introduction to organisational prosocial behaviour, aggression, social exchange, group motivation, conflict resolution, and personnel selection.

This paper offers a broadly-based introductory treatment of topics may include experimental and applied behaviour analysis, experimental psychology, with some emphasis on the application of research findings to practical problems. Specific topics covered include perception, attention, memory, language and thinking. The value of experimental methods in this area of psychology is illustrated with a variety of tutorials, laboratory demonstrations and experiments.

**Stage II Papers**

A pass in 12 Stage II credits in Psychology and one Stage I Statistics paper is necessary for entry to Stage III.

**32.220 Human Experimental Psychology**

An introduction to the study of perception and cognition. Topics covered include attention, memory, language and thinking. The value of experimental methods in this area of psychology is illustrated with a variety of tutorials, laboratory demonstrations and experiments.

**32.230 Introduction to Neuroscience**

A basic introduction to the structure and function of the brain, neuropsychology, and genetic and hormonal influences on behaviour, with applications to animal and human behaviour, and cognition.

**32.240 Social and Developmental Psychology**

An introduction to the study of social behaviour and change across the lifespan in human behaviour. Half the paper will include such topics as social cognition, social influence, attitudes, small group processes, social interaction, altruism and aggression. The other half of the paper will be devoted to behaviour changes in infancy, adolescence and adulthood. Socioemotional developments will be emphasised in the Developmental Psychology section.

**32.250 Animal Learning and Behaviour**

A consideration of the environmental factors that control and modify animal (including human) behaviour. Generally, an experimental laboratory approach is taken, though some topics require also an ecological approach. Theories, especially quantitative, are stressed. Topics include: law of effect, contingencies of reinforcement, antecedent control, choice, foraging, memory, signal detection, experimental design, and self control.

**T32.261 Experimental Psychology**

An introduction to research in a wide range of areas of experimental psychology, with some emphasis on the application of research findings to practical problems. Specific topics may include experimental and applied behaviour analysis, vision, hearing, haptic perception, memory, language, and their physiological underpinnings.

**T32.262 Psychological Methods**

This paper offers a broadly-based introductory treatment of methodologies widely used in psychological research. Topics will include experimental design, survey design, data analysis, questionnaire construction, single-subject techniques, observation, and psychological testing. Other topics may be included, depending on the interests and availability of staff.

**T32.263 Social and Organisational Psychology**

The first half of this paper is an introduction to social psychology. Topics include: non-verbal communication, attitude learning, attitudes and behaviour, prejudice and discrimination, interpersonal attraction, social influence, prosocial behaviour, aggression, social exchange, group decision-making, and some effects of the physical environment upon behaviour.

The second half of the paper is an introduction to organisational psychology. Topics include: the nature of work groups, communication in organisations, approaches to work motivation, conflict resolution, and personnel selection.

**Stage III Papers**

A pass in 20 Stage III credits, including 32.306 and 12 other Stage III credits from Psychology is necessary for entry to MSc and Honours in Psychology.

**32.301 The Psychology of Individual Differences**

A study of individual differences and their measurement, and of the construction and use of psychometric tests.

**32.303 Cognitive Science**

Cognitive theories of the mind, including symbol-based and connectionist models. Topics covered include attention, pattern recognition, memory, language and thinking. Note: Prior experience with computers is not necessary.

**32.304 Personality and Psychotherapy**

A study of theories of personality with emphasis on their relevance to psychotherapy, various social contexts, and personal growth.

**32.305 Human Neuroscience**

This course deals with issues relating central nervous system function to psychological performance. In particular the relationships between cognitive and perceptual processes and measures of EEG; the effects of drugs and other substances in biological and psychological variables; and the biological basis of normal and abnormal memory function.

**T32.306 Research Methods in Psychology**

This course deals with principles and methods relevant to psychological research. Topics include research design, measurement of behaviour, describing and analysing data, and interpreting research findings. The scope is broad, including applied as well as pure research, and research with single cases as well as groups. Qualitative and quantitative methods are covered.

**T32.307 The Psychological Analysis of Vision and Hearing**

Aspects of visual perception affecting behaviours in a variety of environments will be discussed. A study of the effects of noise on people and some relations between normal and pathological hearing will also be covered.

Note: A laboratory project, in which students are required to participate as subjects, forms part of the course.

**32.308 Research Topic**

A research topic undertaken under the supervision of a staff member and written up for presentation instead of a final paper.

**T32.308 Research Topic**

As prescribed for 32.308. This paper is taught at the Tamaki Campus.

**32.309 Learning**

A discussion of how behaviour is controlled and modified in animals by consequent reinforcers and punishers. Emphasis is on laboratory research using animals, with some human data also considered. The theoretical approach taken is mainly quantitative.

**32.311 Social Psychology**

An examination of how individuals and groups interact in their social environment. Contemporary social psychological theory is examined within the context of Aotearoa and particular attention is given to issues of Maori/Pakeha relations and gender relations.

**32.312 Organisational Psychology**

Psychological aspects of organisations, applying theory to the world of work. Topics covered are work-related attitudes, turnover and absenteeism, stress, climate and culture, groups, leadership and organisational development, and personnel psychology.

**T32.312 Organisational Psychology**

As prescribed for 32.312. This paper is taught at the Tamaki Campus.

**T32.313 Special Topic in Psychology**

**32.314 Ergonomics**

An overview of methods of improving human well-being and productivity by optimising person-machine-environment systems.

**T32.314 Ergonomics**

As prescribed for 32.314. This paper is taught at the Tamaki Campus.
32.315 Abnormal Psychology
An examination of the major problems of children and adults that cause people to seek or receive psychological help. Topics include classification and effects of defining and labelling individuals as "abnormal," models and practice of service delivery (institutions, community mental health, prevention) and an introduction to clinical neuropsychology.

32.316 Child Psychology
Topics from the learning, cognitive, social and emotional domains of child development will be covered, together with some of the challenges associated with the parenting of children.

32.317 Animal Behaviour and Cognition
Do other animals have language? Do they have culture? Can human behaviour be explained in evolutionary terms? This paper addresses these questions and the methods that can be used to answer them. The paper will emphasize the importance of a comparative, evolutionary approach to the study of animal behaviour and cognition.

32.318 Cultural Psychology
We are aware that people all over the world speak different languages and have different cultural viewpoints relating to core areas of human development: cognition, learning, self, personality and gender. The paper will investigate cultural differences and similarities in these areas of psychological development using interdisciplinary perspectives and research methods.

32.361 Applied Cognitive Psychology
This paper is designed to extend theoretical conceptions and models in cognitive psychology to a variety of applied settings, and to assess the extent to which such theoretical accounts can be applied. It will deal primarily with psychological analyses and appraisals of problems of perception, memory, attention, thinking, and language as they are evident in everyday human activity.

32.362 Learning and Memory
A treatment of how behaviour is controlled by prior and subsequent events, drawing on both animal and human experimental research. Topics include quantitative models of behaviour, signal detection, stimulus control, theories of learning, memory and behaviour modification.

32.363 Social Behaviour
This concentrates on social functioning in both intergroup and intragroup settings.

BSc(Hons) in Psychology
The Regulations which cover the BSc(Hons) course are listed elsewhere. This course in Psychology is designed to enable students of high ability to complete an Honours degree in four years. Students gaining a good class of BSc(Hons) would be eligible to proceed directly to a PhD degree. Students enrolled for BSc(Hons) in Psychology take not less than 40 credits in Psychology, of which not less than 16 credits must be from Stage III papers and not less than 16 credits must be from Stage IV papers, and which must include paper 32.306 and a thesis 32.603. In addition, students entering the Honours School at the end of the third year after matriculation must take 32.419 in Part IV if they have not passed 32.306. Students who wish to be considered for enrolment should consult the Head of Department of Psychology prior to pre-enrolment or at any time during the preceding year.

Courses for MSc and Honours
(Four papers and a thesis 32.601 which is equivalent to three papers.) Students in consultation with the Head of the Department will select their papers from among the following:

32.401 History of Psychology
An historical account of psychology with special reference to the aspirations and activities of influential psychologists.

32.403 Applied Analysis of Human Behaviour
An examination of general issues in behaviour analysis, of approaches to psychological assessment, and of the application of behavioural techniques to psychological phenomena.

32.404 Sensation and Perception
An examination of issues in the study of perception.

32.405 Clinical Neuropsychology
An examination of the relation between the brain and mental functioning with an emphasis on clinical cases of brain damage.

32.409 Theory and Practice in Clinical Psychology
This course is concerned with the categories of psychological problems most commonly encountered by practitioners. Included are problems of children and adults. In respect of each disorder, attention will be given to the different theories of causation that inform clinical practice. Models of therapy derived from such theories will be dealt with. Attention will be given to research and evaluation methods in clinical psychology.

32.411 Advanced Operant Behaviour
An advanced study of selected topics in learning at the level of current research.

32.412 Social Psychology
An examination of selected research topics in social psychology with a special emphasis on the underlying theories. Prerequisite: 32.240.

32.413 Advanced Child Psychology
Topics covered may include early cognitive development, language and reading development, attachment, temperament, self-regulation, social competence and behavioural problems.

32.415 Critical Issues in Psychology
An examination of methodological, metatheoretical and social issues affecting the study and practice of psychology.

32.418 Special Topic in Psychology
1994: Learning Disabilities: Assessment and Intervention

32.419 Psychological Research
An advanced treatment of research techniques in psychology, emphasising analysis of variance, regression, categorical analysis, quasi-experimental designs and evaluation, and computer solutions for these techniques.

32.420 Research Topic in Psychology
A research topic undertaken under the supervision of a staff member and written up for presentation instead of a final paper.

32.421 Theories and Practices of Psychotherapy
A study of a variety of psychotherapies with emphasis on their local relevance, problems of matching methods to individual people as well as to social contexts, and the importance of emotional processes in the maintenance of well-being.

32.422 Learning Disabilities
This paper provides training in the theory, identification and treatment of learning disabilities. Both developmental and acquired disabilities are covered. Prerequisites: 32.210 and 32.301

32.423 Issues in Cognitive Science
An introduction to cognitive science with a principal focus on cognitive psychology. The paper will discuss both fundamental issues concerning the mind-computer analogy, and also practical issues concerning the impact and use of information technology in everyday life.

32.424 Mind and Brain
An introduction to cognitive neuropsychology. Topics covered will include studies of perception, memory and language from a neuropsychological perspective.

32.425 Gender Issues in Human Development
A study of the impact of gender on psychological and social development and functioning, with an emphasis on theories and recent research.

32.426 Human Factors
An investigation of the effects on psychological and task related performance of: sleep deprivation, circadian dysrhythmia in travel and shift work, environmental stressors, alcohol, prescription medication and other commonly used psychoactive substances. A particular emphasis running through the course will be the role of these and other factors on accidents.

32.427 Contemporary Theory and Clinical Psychology
An introduction to contemporary theory (e.g. postmodernisms, feminisms) and issues which have important implications for clinical psychology practice and research.

32.428 Applied Social Psychology
An introduction to the application of social psychological theory and research methods in a community setting. This course will build on the theoretical skills students have developed in 32.306
and 32.311. Prerequisites: 32.306 and 32.311
Restriction: 32.420

32.429 Language and Speech
A study of selected topics in the literature on language and speech. The main focus of the course will be speech and language processing by normal adults, but other potential topics include language development and artificial intelligence approaches to natural language processing.

32.430 Applied Psychophysics: From Research to Practice
The course considers the application of detection theory, ROC analysis, and other psychophysical techniques to a range of problems in psychology, medicine, and industry.

*32.431 Advanced Topics in Human Neuroscience
Topics to be covered will include: the relationship between cognitive function and higher cortical activity; EEG measures of sensation and perception; EEG as a diagnostic and research tool in Neuropsychology to test a range of tests and assess neurological state; and evaluations of current brain imaging and modelling technologies.

32.432 Advanced Cultural Psychology
This paper looks at current issues where the cultural component has significant bearing on how people perceive themselves and others in various social contexts. Applied research is emphasised with the underlying objective of trying to understand more completely why people think and behave as they do in specific situations. General topics will include the following: Culture and Imperialism, Culture and Identity, Culture and Conflict, and Culture and Language. Prerequisite: 32.318

SCIENCE COMMUNICATION
Responsibility for the administration of the paper lies with a Board of Studies consisting of the following: Dean of Science (or nominee), Higher Education Research Officer (or nominee) and two members elected from those teaching the course.

T701.101 Science Communication
The paper is intended to provide students with the ability to communicate science effectively. It encompasses the underlying philosophy of science, the likely audiences of science, ways of managing and presenting data, the problems and pitfalls of communication between individuals, genders, cultures etc., negotiation and bargaining. Methods of communication in science and examples will be given. This paper is taught at the Tamaki Campus.

SPORTS SCIENCE
First Year
T711.101 Introductory Sports Science and Technology

T72.120 Sport, Business and Society
Sport in history, sport as culture (including sport and the media, sport in literature, sport as a social catalyst, sport as discourse), sport and education, sport and commercialisation, the professionalisation of sport, race gender and sport, sporting ethics. (50 hours lectures and tutorials).

Second Year
T711.201 Sports Science and Technology 2A

T711.202 Sports Science and Technology 2B
Biomechanics. Measurement and analysis. Introduction to ergonomics: design. Information technology (46 hours). Practical work, discussions, tutorials (minimum 69 hours).

T32.260 Sports Psychology

Third Year
*T711.301 Sports Science and Technology 3A
The acquisition of skill. Psychological, physiological and biomedical aspects of skilled movement. Analysis of skill. The superior athlete (46 hours). Practical work including coaching studies (minimum 69 hours).

*T711.302 Sports Science and Technology 3B
Sport devices: engineering aspects, physical basis, computational analysis. Ergonomics, environmental and industrial. Biomechanical analysis of movement (46 hours) Practical and field work (minimum 69 hours).

*T711.303 Sports Physiology

*T72.360 Sports Administration and Management

Fourth (Hons) Year
(T711.401, two papers selected from T711.402, T711.403, T711.404, T711.405, T711.406 and a thesis T711.603 which counts as one paper) with the approval of the Senate a 400 level or above paper from another subject may be substituted for one of the optional papers in Sports Science.

*T711.401 Age and Human Performance

*T711.402 Project in Sports Science
An individual study in one or more of the fields covered in the course, including studies in ergonomics, human factors, physics and engineering, sports medicine, biomechanics, physiology or psychology.

*T711.403 Advanced Sports Technology
Technology of a single sport. An integrated study of biomechanics, physiology of a sport.

*T711.404 Movement Analysis in Industry
Technology of a task in an industrial setting. An integrated study of the biomechanics, physiology and psychology of an industrial task.

*T711.405 Seminar in Sports Science
The topic must be be approved by the Head of the Sports Science Programme.

*T711.406 Physiology of Exercise and Rest
Human physiological responses and adaptations to physical activity, including maximal exertion, occasional and habitual exercise, exercise under special conditions (disability, heat and cold stress, alterations to oxygen supply), and the effects of prolonged inactivity.

BACHELOR OF SCIENCE EDUCATION
The Bachelor of Science Education is an Inter-Faculty offering. For detailed Regulations and Prescriptions refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

BACHELOR OF TECHNOLOGY
The Bachelor of Technology is an Inter-Faculty offering. For detailed Regulations refer to the Inter-Faculty Degrees and Diplomas section of this Calendar. Prescriptions for individual papers may be found in the Prescriptions for the Degrees of BCom, BE and BSc in the appropriate sections of this Calendar.

TUTORING IN SCIENCE
Responsibility for the administration of this paper lies with a committee consisting of the following: the Dean of Science or nominee, two elected members of the Faculty of Science, the Dean of Education or nominee, the Higher Education Research Officer.
DIPLOMA COURSE REGULATIONS

DIPLOMA IN COMPUTER SCIENCE DipCompSci

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

1. Subject to the Admission Regulations, a candidate for the Diploma in Computer Science shall before enrolment for this Diploma:
   (a) have been admitted or have qualified for admission to a Bachelor’s Degree, or hold a professional qualification in Computer Science, or have attained an equivalent level of practical experience in the Computing Profession;
   (b) have attained, to the Head of Department's approval, a level of technical competence in Computer Science equivalent to the prerequisites for 300 level Computer Science papers.
2. A candidate permitted by the Senate to enrol for the Diploma without having fulfilled all the prerequisite requirements may be required by the Senate to include all or any of the unfulfilled prerequisites as additional papers.
3. A candidate shall complete a coherent course of study approved by the Head of Department of Computer Science subject to the conditions that:
   (a) the course of study shall comprise papers having a total credit value of at least 24 credits normally selected from papers at 300-level or higher in Computer Science and relevant papers offered by other Departments. For students without a substantial background in Computer Science some 200-level papers may be approved.
   (b) at least 16 credits of the course shall be at 300-level or higher. At least 12 credits at 300-level or higher must be from Computer Science papers.
4. No candidate shall be credited for this Diploma with any paper passed for another Degree or Diploma.
5. These Regulations come into force on 1 January 1986.

DIPLOMA IN ENVIRONMENTAL MANAGEMENT DipEnvirMgt

The Diploma in Environmental Management is an Inter-Faculty offering. For detailed Regulations and Prescriptions refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

DIPLOMA IN MATHEMATICS EDUCATION DipMathsEd

The Diploma in Mathematics Education is an Inter-Faculty offering. For detailed Regulations and Prescriptions refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

DIPLOMA IN SCIENCE DipSci

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

1. Subject to the Admission Regulations, a candidate for this Diploma shall before enrolment have been admitted or have qualified for admission to the Degree of Bachelor of Science or shall have attained a qualification approved by the Senate as equivalent to that qualifying degree.
2. The course of study for this Diploma shall consist of at least one year's full-time study or its equivalent. Unless otherwise approved by the Senate, a candidate shall complete the requirements within two years of first enrolling for the Diploma.
3. A candidate will be required to follow a coherent course of study which shall consist of at least 24 credits above Stage 1, of which at least 16 must be at 300-level or higher. Unless otherwise recommended by the relevant Head(s) of Department(s) and approved by the Senate a candidate must substitute a Research Project (701.525) for 6 of the 300-level credits.
4. The course of study for each candidate will require the specific approval of the relevant Head(s) of Department and the Dean of Science.
5. No candidate shall be credited for this Diploma with any paper which is the same or substantially similar in content to any paper already passed for any other degree or diploma.
6. The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.
7. These Regulations shall come into force on 1 January 1991.

DIPLOMA IN SCIENCE EDUCATION DipSciEd

The Diploma in Science Education is an Inter-Faculty offering. For detailed Regulations and Prescriptions refer to the Inter-Faculty Degrees and Diplomas section of this Calendar.

DIPLOMA IN STATISTICS DipStats

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

1. Subject to the Admission Regulations, a candidate for the Diploma in Statistics shall before enrolment for this Diploma have been admitted or have qualified for admission to a Bachelor’s Degree or have satisfied Regulation 2 for the Degree of Master of Arts or Regulation 2 for the Degree of Master of Science and shall:
Faculty of Science

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(a) have passed in the following Mathematics and Statistics papers (as prescribed for the Degree of BSc):
(i) 26.252 or 26.231 (or, before 1995, 26.220 or 26.221 or 26.222 and 26.240 or 26.241)
(ii) 528.280 or a B+ in one of 528.281, T528.281, 528.288 and T528.288; or 26.280 or a B+ in one of 26.281, T26.288 and T26.288 before 1995; or such other paper as may be approved by the Head of the Statistics Unit; or
(b) have reached an equivalent level of attainment to the approval of the Senate.

2. A candidate for this Diploma shall follow a course of study for one year full-time or two years part-time or for such longer periods (either full or part-time) as the Senate on the recommendation of the Head of the Department of Mathematics and Statistics may require or permit.

3. (a) A candidate shall complete a course of study approved by the Head of the Department of Statistics consisting of papers having a total credit value of 20 credits selected from 200, 300, 400 or 500 level papers in Statistics and papers related to Statistics and Operations Research above Stage I level in other subjects; together with a project, 528.580, which counts as four credits. Candidates who have not passed 528.280 (or 26.280 prior to 1995) or its equivalent will be required to take 528.280. No more than eight credits at the 200 level can be credited to the Diploma.
(b) A candidate who has no knowledge of computing shall be required to attend an appropriate course in computing programming.

4. A candidate shall deliver the project required in Regulation 3(a) to the Registrar by not later than 1 November in the year following the year of first enrolment, or by such later date as the Senate may in exceptional circumstances permit.

5. No candidate may present for this Diploma a paper which is the same or substantially similar in content to any paper he or she has already passed for any other degree or diploma.

6. These Regulations shall come into force on 1 January 1974.

POSTGRADUATE DIPLOMA IN APPLIED PSYCHOLOGY PGDipAppPsych

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Postgraduate Diploma in Applied Psychology shall at least have satisfied the prerequisites for admission to a Master's Degree in Psychology of this University.
2. Admission to the course of study for this Postgraduate Diploma shall be at the discretion of the Senate on consideration of a recommendation from the Head of the Department of Psychology.
3. A candidate for this Postgraduate Diploma shall follow a coherent course of study of not less than three years including any years in which the candidate was enrolled for a Master's Degree in Psychology.
4. The course of study shall consist of
(a) Either concurrently following a course of study for a Master's Degree in Psychology comprising four papers from 32.401 – 32.432 and a thesis (32.601) or if part of the Master's Degree has already been completed concurrently taking those requirements that have not already been completed, provided that a candidate who has completed all the requirements for a Master's Degree in Psychology shall be exempted from the requirements of this clause except where he or she has completed the Master's Degree without a thesis, in which case paper 32.420 (Research Topic in Psychology) shall be taken for this Postgraduate Diploma;
(b) A practicum (32.550) of not less than one full-time year or its equivalent involving supervised experience in applied settings approved by the Head of Department of Psychology;
(c) Two 400 level papers (or their equivalent as approved by the Senate) additional to those required by clause (a) of this Regulation.
5. These Regulations shall come into force on 1 January 1992.

POSTGRADUATE DIPLOMA IN CLINICAL PSYCHOLOGY PGDipClinPsych

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Diploma in Clinical Psychology shall at least have satisfied the prerequisites for admission to a Master's Degree in Psychology of this University.
2. Admission to the course of study for the Diploma shall be at the discretion of the Senate on consideration of a recommendation from the Head of the Department of Psychology.
3. A candidate for this Diploma shall follow a course of study of not less than three years by taking courses 32.505, 32.506 and 32.507 as prescribed for this Diploma, and EITHER
(a) concurrently follow a course of study for a Master's Degree in Psychology which shall include papers 32.408 and 32.409 and a thesis 32.601;
OR
(b) if all or part of the Master's Degree has already been completed, concurrently take those requirements specified in 3 (a) that have not already been completed. If the candidate had already taken a Master's Degree without a thesis, paper 32.420 (Research Topic in Psychology) may be substituted for the thesis.
OR
(c) if a Bachelor's degree with honours has been completed, concurrently take those requirements specified in 3(a) that have not been completed.

Course Content and Examinations
4. Year I 32.505
Introduction to Professional Practice, a seminar course that covers interview skills, ethics, cross-cultural communication and bicultural issues.

Year II 32.506
One course in child and family work and one in adult mental health. These courses are matched by two community placements, each lasting four months, two days per week.
Evaluation will be by internal assessment, and candidates must gain a pass each year of the course.

Year III 32.507
POSTGRADUATE DIPLOMA IN SCIENCE PGDipSci

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

1. Subject to the Admission Regulations, a candidate for this Diploma shall before enrolment have been admitted or have qualified for admission to either the Degree of Bachelor of Science (Honours), of the degree of Bachelor of Science or another comparable qualification approved by the Senate.

2. The course of study for this Diploma shall consist of at least one year's full-time study or its equivalent. Unless otherwise approved by the Senate, a candidate shall complete the requirements within two years of first enrolling for the Diploma.

3. A candidate will be required to follow a coherent course of study, recommended by the relevant Head(s) of Department and approved by the Senate, which shall consist of either (a) at least four papers at 400-level or higher or (b) at least three papers at 400-level or higher and a research project (701.575) which is equivalent to one paper or (c) a programme equivalent to that required for Part IV of the Degree of Bachelor of Science (Honours).

4. Upon the recommendation of the relevant Heads of Department, and with the approval of the Dean of Science, Masters level papers in another Faculty may be substituted for 50% of the course.

5. The course of study for each candidate will require the specific approval of the relevant Head(s) of Department and the Dean of Science.

6. No candidate shall be credited for this Diploma with any paper which is the same or substantially similar in content to any paper already passed for any other degree or diploma.

7. At the Senate's discretion this Diploma may be awarded with Distinction.

8. The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

9. These Regulations shall come into force on 1 January 1991.

DIPLOMA COURSE PRESCRIPTIONS

DIPLOMA IN COMPUTER SCIENCE

This course of study is designed for graduates in fields other than Computer Science, or candidates with equivalent status, to pursue their specialisation in developments in the Computer field. The course of study is tailored to fit individual student needs and is made up of papers having a total credit value of 24 credits selected from 200, 300 and 400 level papers in Computer Science, and relevant papers offered by other departments. The course will normally include a project of either 4 or 8 credits. This course is normally studied on a part-time basis, however, it is possible for candidates who have a background equivalent to Stage II Computer Science to complete the course in one full year's study. Details are available from the Department of Computer Science and the Diploma Course Regulations in this Calendar should be consulted.

DIPLOMA IN STATISTICS

This Diploma is available to students who have completed or almost completed a Bachelor’s Degree, and have obtained a pass in Mathematics paper 26.252 or its equivalent; and have a satisfactory background in Statistics (e.g., a pass in 26.280 or B+ 26.281). The course of study is tailored to fit individual student needs and is made up of papers having a total credit value of 20 credits selected from 200, 300, 400 or 500 level papers in Statistics and papers related to Statistics above Stage I level in other subjects; together with a project, 528.580. Candidates may complete the course of one year's full-time study or else spend two or more years on a part-time basis. Details are available from the Department of Statistics and the Diploma Course Regulations in this Calendar should be consulted.

POSTGRADUATE DIPLOMA IN APPLIED PSYCHOLOGY

The minimum duration of the course including the Master's component is three years. Candidates wishing to enrol should make application to the Head of Department prior to pre-enrolling for the course.

POSTGRADUATE DIPLOMA IN CLINICAL PSYCHOLOGY

The course of study for this Diploma is designed to prepare the candidate for professional competence as a clinical psychologist, and to qualify the candidate for registration as a psychologist under the Registration of Psychologists Act. The minimum duration of the course is three years. No more than eight candidates may be admitted to the course for the first time in any one year. Candidates wishing to enrol should make application to the Programme Co-ordinator before 31 October preceding their first enrolment for the course. Application forms are available from the Department of Psychology.
CERTIFICATE REGULATIONS

CERTIFICATE IN OCULAR PHARMACOLOGY

744.480 Certificate in Ocular Pharmacology
1. Subject to the Admission Regulations, a candidate for the Certificate shall before enrolment: have been admitted or qualified for admission to the Degree of Bachelor of Optometry or been awarded or qualified for the award of the Diploma in Optometry or shall have attained any other qualification approved by the Senate as equivalent.
2. Admission to the Certificate shall be at the discretion of the Head of the Department of Optometry.
3. A candidate for the Certificate shall follow a formal course of study of 40 hours of instruction comprising ten lectures and ten practice classes each of two hours duration.
4. A pass in respect of both practical work and a written examination is required.
5. A candidate shall complete the requirements for this Certificate within 24 months of first enrolment for the Certificate.
6. These Regulations shall come into force on 1 January 1992

CERTIFICATE IN THE PRINCIPLES AND PRACTICE OF RADIOCHEMISTRY

08.350 Elementary Certificate in the Principles and Practice of Radiochemistry
The course for this Certificate involves ten lectures and ten laboratory classes each of three hours' duration. The course will run by arrangement.
Examinations: Candidates will be assessed on their practical work together with a written test.
Prerequisites: 08.210 or 08.220 or 08.230 or 08.260 but students having need of radiochemical techniques may be admitted to the Certificate Course without having passed the prerequisite upon obtaining the approval of the Head of the Chemistry Department.
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GENERAL INFORMATION

Bachelor of Theology

The Bachelor of Theology Degree is offered by the University to make possible the study of both religion and theology at a tertiary level. It is administered by a Joint Board of Studies comprising appointees of the University and the Auckland Consortium for Theological Education. Constituent colleges of the Consortium at present are St John’s College, Trinity Methodist College, Carey Baptist College, Catholic Institute of Theology, and Mt Saint Mary’s College.

Students at the constituent colleges include both those who are preparing for a church or religious vocation and also those who wish to pursue the study of theology and/or religion in their various forms without any necessary commitment to either. However, because many of the present students of the constituent colleges are preparing for the ordained ministry it is appropriate that some guidance be given to those students in the development of maturity in the Christian faith and the disciplines of the Church. The primary responsibility for this assistance is undertaken by each of the constituent colleges in respect of its own members.

The complete course of education required for candidates for the ordained ministry is the responsibility of the colleges of those respective denominations but papers offered as part of the Bachelor of Theology Degree may form part of those requirements. Students contemplating the ordained ministry or any religious vocation should consult the Head of their own denominational college, or the appropriate person in their own religious tradition, for details of the particular requirements necessary.

Papers in the Bachelor of Theology course are available to students from other Faculties in accordance with regulations of those Faculties. Within the Bachelor of Theology Degree, credit will be given for up to seven papers listed in the Schedule of the Degree of Bachelor of Arts.

No religious tests shall be imposed upon any person in order to entitle him or her to be enrolled for the Degree or to be a candidate for any examination or to graduate or to be an examiner/lecturer or to hold any office in connection with the Degree.

Master of Theology

Under regulations coming into force on the 1 January 1994, the University offers the Degree of Master of Theology for graduates who wish to advance their learning in subjects which they studied at Stage III of the Bachelor’s Degree. The course, lasting at least two years, consists of four taught papers and a thesis equivalent to three papers in one of the approved subjects in Groups C and D.

DEGREE COURSE REGULATIONS

DEGREE OF BACHELOR OF THEOLOGY BTheol

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations a candidate for the Degree of Bachelor of Theology shall follow a course of study of not fewer than three years.

SCHEDULE

<table>
<thead>
<tr>
<th>Paper Number and Campus</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Part of Year</th>
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<tbody>
<tr>
<td>GROUP B</td>
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<tr>
<td></td>
<td><strong>INTRODUCTORY AND ANCILLARY TOPICS</strong></td>
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<tr>
<td>375.120</td>
<td>Speech Communication A</td>
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<td>375.121A</td>
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<td>375.130</td>
<td>Literature and Theology A</td>
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<td>375.131</td>
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<td>375.140</td>
<td>Maori Language A</td>
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<td>375.150</td>
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<td>375.160</td>
<td>Introduction to Biblical Hebrew</td>
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<td>375.161</td>
<td>Introduction to Koine Greek</td>
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<td>Introduction to Syriac</td>
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<td>375.210</td>
<td>Maori Perspectives I</td>
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<td>375.220</td>
<td>Speech Communication B</td>
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<td>375.221</td>
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<td>375.270</td>
<td>“Modern” Philosophy and the Challenge to Theology</td>
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<tr>
<td>375.271</td>
<td>Metaphysical Themes in Aquinas</td>
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<tr>
<td>375.272</td>
<td>The Human Being in Aristotle and Aquinas</td>
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2. The course of study for the Degree shall consist of twenty-one papers in subjects grouped as in Regulations 8 of these Regulations. Papers are classified in three stages, I, II, and III.

3. Each course of study for the Degree shall include:
   (i) at least two papers from Group A, to be selected subject to the approval of the relevant Head of Department and the Chairperson of the Joint Board of Studies in Theology, and no more than seven papers in total from Groups A and B combined;
   (ii) at least six, but no more than eleven, papers in one of the Group C, D, or E of which papers, at least three shall be at stage III level;
   (iii) at least eleven papers higher than stage I, of which at least nine shall be selected from Groups C, D, or E;
   (iv) at least two papers in each of the following subjects: Hebrew Bible, New Testament, Church History, Systematic Theology, where the two papers in Systematic Theology shall include paper 378.100;
   (v) at least two papers selected from Group E.

4. For the purposes of Regulation 3(ii), the Senate may approve the inclusion of one or more papers from one Group or discipline taken in another Group or discipline.

5. Except with the permission of the Senate, no candidate shall take more than eight papers for this Degree in any one year.

6. The total cross credits and exemptions granted to a candidate shall not exceed ten papers for this Degree.

7. (a) For a student who has successfully completed, in or after 1974 a three year full-time course at a Teachers' College under the control of the Auckland Teachers' Colleges Council or (from 1986) at the Auckland College of Education, two unspecified Stage I papers in Schedule A.
   (b) For a student who has successfully completed in or after 1974 a Division B (concurrent study course) at a Teachers' College under the control of the Auckland Teachers' Colleges Council or (from 1986) at the Auckland College of Education, no more than one unspecified Stage I paper in Schedule A.
   (c) For a student who has successfully completed the L1 administered by the Ecumenical Board of Theological Studies, or a similar 4 year qualification, four stage I papers from among the following subjects: First Testament, New Testament, Systematic Theology, Church History, Moral and Practical Theology. To qualify for this credit in a subject, the student must have passed at least two papers in the subject.

8. The Senate may, in exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing regulations. Such a course of study may include papers offered in other Faculties.

9. The subjects for this Degree are grouped as follows:
   Group A: The subjects listed in the Schedule of the Regulations of the Degree of Bachelor of Arts except for those papers from Groups C and D listed in Schedule to these Regulations.
   As listed in the Schedule of the Regulations of this Degree:
   Group D: Systematic Theology, Church History.
   Group E: Moral and Practical Theology.

10. These regulations shall come into force on 1 January 1994.

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<th>Qualifications</th>
<th>Notes</th>
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<td>375.170 or 378.100 or 1 paper in Philosophy</td>
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<tr>
<td>375.311</td>
<td>Exegesis of Maori Manuscript Texts</td>
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<td>375.330</td>
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**GROUP C**

**FIRST TESTAMENT**

First Testament I

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<tr>
<td>376.100</td>
<td>Introduction to the First Testament</td>
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<tr>
<td>376.101</td>
<td>The Art of Interpreting the Hebrew Bible</td>
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First Testament II

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<tr>
<td>375.230</td>
<td>The Bible in Literature</td>
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<tr>
<td>376.201</td>
<td>The World of the First Testament</td>
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First Testament III

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<tr>
<td>376.210</td>
<td>Studies in Tanak (A)</td>
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<td>376.211</td>
<td>Studies in Tanak (B)</td>
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<tr>
<td>376.212</td>
<td>Exegesis of Selected Hebrew Bible Themes</td>
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<td>376.213</td>
<td>Isaiah Exegesis</td>
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<td>Psalms</td>
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<td>376.220</td>
<td>Early Post-Biblical Judaism</td>
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<td>376.225</td>
<td>Special Topic</td>
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New Testament I

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<tr>
<td>377.100</td>
<td>Introduction to the New Testament</td>
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New Testament II

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<tr>
<td>377.201</td>
<td>The World of the New Testament</td>
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<tr>
<td>377.211</td>
<td>The Synoptic Gospels</td>
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### Prerequisites

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<th>Restrictions</th>
<th>Qualifications</th>
<th>Notes</th>
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<tr>
<td>One Stage III paper in Maori Studies</td>
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<td>375.240</td>
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A Stage One paper in BTheol or schedules A or B of the BA Schedule 376.100 or 376.101 | As for 376.201 | Prerequisites may be taken as corequisites. In exceptional circumstances and by special permission of the Head of Department, prerequisites for stage II papers may be waived. As for 376.201 | This paper is particularly intended for students 'majoring' in First Testament |

As for 376.201

As for 376.201

As for 376.201

23.100 or 376.160 or equivalent, 376.100 | 376.311 (1993) | As for 376.201 | As for 376.201 |

As for 376.201

As for 376.201

As for 376.201

Two of 376.100, 101; 377.100, 101 | 12.406 | As for 376.210 | |

One Stage II paper in First Testament and one other Stage II paper in Group C | | | |

As for 376.310

376.212 | As for 376.310 | | |

As for 376.310

376.213 | As for 376.310 | | |

As for 376.310

376.214 | As for 376.310 | | |

Two Stage III papers in Groups C or D 376.100, 377.100 and one other Stage II paper from within Group C | | As for 376.310 | |

One Stage III paper in Hebrew Bible and with the permission of the Head of Department and the Dean of ACTE. | | | |

A Stage One paper in BTheol or schedules A or B of the BA Schedule 377.100 | As for 377.201 | Prerequisites may be taken as corequisites. In exceptional circumstances and by special permission of the Head of Department, prerequisites for Stage II papers may be waived. As for 377.201 | |

376.100 or 376.101; and 377.100 | | | |
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<tbody>
<tr>
<td>377.212</td>
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<td>377.213</td>
<td>The Pauline Letters (A)</td>
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<td>377.214</td>
<td>The Pauline Letters (B)</td>
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<td>377.225</td>
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<tr>
<td>377.226</td>
<td>Translation and Exegesis of Selected Greek Texts</td>
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<td>377.312</td>
<td>Apocalyptic and the Apocalypse</td>
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<td>377.314</td>
<td>The General Letters</td>
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<td>377.315</td>
<td>The Johannine Writings II</td>
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<td>377.316</td>
<td>The Resurrection Traditions in the New Testament</td>
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<td>377.317</td>
<td>The Parables of Jesus</td>
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<td>377.318</td>
<td>Studies in the Gospels: Sayings Traditions II</td>
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<td>377.325</td>
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<td>377.326</td>
<td>Translation and Exegesis of Selected Greek Texts</td>
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GROUP D

SYSTEMATIC THEOLOGY

Systematic Theology I

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<td>378.102</td>
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Systematic Theology II

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<td>God as Revealer and Creator</td>
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<td>378.201</td>
<td>Church, Ministry and Sacraments</td>
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<td>378.202</td>
<td>Christology</td>
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<td>378.203</td>
<td>Sacramental Theology</td>
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<td>378.210</td>
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<td>378.215</td>
<td>Knowledge of God</td>
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<td>378.220A</td>
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Systematic Theology III

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Joint Board of Studies in Theology
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<tr>
<td>One from 376.100, 376.101, 378.100</td>
<td>378.205 (1991)</td>
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One Stage II paper in Systematic Theology; and one further Stage II paper in Group D | Prerequisites may be taken as corequisites. In exceptional circumstances and by special permission of the Head of Department, prerequisites for Stage III papers may be waived |
<p>| As for 378.200 | As for 378.200 |
| As for 378.200 | As for 378.200 |
| As for 378.200 | As for 378.200 |
| 378.102 | As for 378.200 |
| 378.100 | As for 378.200 |
| 378.100 | As for 378.200 |
| One Stage II paper in Systematic Theology; and one further Stage II paper in Group D | As for 378.200 |</p>
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<th>Paper Number and Campus</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Part of Year</th>
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<td>378.302</td>
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<td>378.304</td>
<td>Special Topic</td>
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<td>378.305</td>
<td>Dietrich Bonhoeffer and the German Church Struggle</td>
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<td>378.308</td>
<td>The Holy Spirit</td>
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<td>378.309</td>
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<td>The Eucharist</td>
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<td><strong>CHURCH HISTORY</strong></td>
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<tr>
<td></td>
<td><strong>Church History I</strong></td>
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<tr>
<td>379.100 A</td>
<td>The Church in History to 500 CE</td>
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<td>379.100B</td>
<td>The Church in History to 500 CE</td>
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<td>The Church in History to 1500 CE</td>
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<td><strong>Church History II</strong></td>
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<td>379.200</td>
<td>Church in History: 500-1600</td>
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<td>379.300</td>
<td>Church and Society in the South Pacific</td>
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<td><strong>MORAL AND PRACTICAL THEOLOGY</strong></td>
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<td></td>
<td><strong>Moral and Practical Theology I</strong></td>
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<tr>
<td>380.100</td>
<td>Introduction to the Pastoral Situation</td>
<td>1st half</td>
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<tr>
<td>380.110</td>
<td>Christian Missions in History and Culture</td>
<td>2nd half</td>
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<td>380.112</td>
<td>Christian Spirituality</td>
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<td>380.115</td>
<td>Spirituality and Justice I</td>
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**GROUP E**

**MORAL AND PRACTICAL THEOLOGY**

Moral and Practical Theology I

<table>
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<tr>
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<th>Part of Year</th>
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<td>380.100</td>
<td>Introduction to the Pastoral Situation</td>
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<tr>
<td>380.110</td>
<td>Christian Missions in History and Culture</td>
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<td>380.112</td>
<td>Christian Spirituality</td>
<td>2nd half</td>
<td></td>
</tr>
<tr>
<td>380.115</td>
<td>Spirituality and Justice I</td>
<td>1st half</td>
<td></td>
</tr>
<tr>
<td>Prerequisites</td>
<td>Restrictions</td>
<td>Qualifications</td>
<td>Notes</td>
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<td>Two Stage II papers in Systematic Theology or one Stage II paper in Systematic Theology and one Stage II paper in Church History</td>
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<td>380.233 (from 1993)</td>
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<td>As for 379.300</td>
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379.100 or 379.101
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<th>Part of Year</th>
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<td>380.120</td>
<td>Religious Education-Faith and Learning</td>
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<td>380.130</td>
<td>Liturgics</td>
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<td>380.140</td>
<td>Christian Ethics I</td>
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<td>2nd half</td>
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<td>380.150</td>
<td>Cross Cultural Studies</td>
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<td>Morality and Practical Theology II</td>
<td>Principles and Practice of Pastoral Counseling</td>
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<td>380.201</td>
<td>Human Development and Pastoral Care</td>
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<td>380.202</td>
<td>Understanding Oursel and Others</td>
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<td>380.203</td>
<td>Life in the Body</td>
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<td>380.204A</td>
<td>Clinical Pastoral Education</td>
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<td>380.204B</td>
<td>Clinical Pastoral Education</td>
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<td>380.204S</td>
<td>Clinical Pastoral Education</td>
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<td>Long vacation - summer</td>
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<td>380.211</td>
<td>Church and Society</td>
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<td>380.212</td>
<td>Mission in an Urban Context</td>
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<td>380.215</td>
<td>Spirituality and Justice II</td>
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<td>380.225</td>
<td>Homiletics</td>
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<td>380.226</td>
<td>Communication of Faith</td>
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<td>380.230</td>
<td>Christian Ritual</td>
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<td>380.233</td>
<td>The History of Christian Worship</td>
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<td>380.235</td>
<td>Liturgical Prayer: The Languages of Time, Space and Music</td>
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<td>380.241</td>
<td>Questions in Bioethics</td>
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<td>380.242</td>
<td>Christian Theology of Marriage and the Family</td>
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<td>380.250</td>
<td>Maori Perspectives</td>
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<td>Morality and Practical Theology III</td>
<td>Pastoral Care in Human Relationships</td>
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<td>380.301</td>
<td>Pastoral Care and Gender Studies</td>
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<td>380.302</td>
<td>Special Pastoral Project</td>
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<td>380.315</td>
<td>Justice in Context</td>
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<td>380.330</td>
<td>Liturgies Research Essay</td>
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<td>380.340</td>
<td>Moral Theology Research Essay</td>
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Note:  
* Starred papers will not be taught during the current Calendar year.
† Daggered papers will not be taught during the current Calendar year unless sufficient staff are available.
Prerequisites | Restrictions | Qualifications | Notes
--- | --- | --- | ---
380.100 | Prerequisites may be taken as corequisites. In exceptional circumstances and by special permission of the Head of Department, prerequisites for Stage II papers may be waived | As for 380.200 | 
380.100 | 380.200 (pre-1994) | As for 380.200 | 
380.140 | As for 380.200 | 
Approval of Board of Studies | Approval of Board of Studies | Approval of Board of Studies | 
378.100, 380.110 | As for 380.200 | 
380.110, 378.100 | As for 380.200 | 
380.115 | As for 380.200 | 
378.100 | As for 380.200 | 
378.100 or 376.100 or 377.100 | As for 380.200 | 
One paper in Group D or Group E | 
380.130 | 379.210 | As for 380.200 | 
380.110 or 380.220 | As for 380.200 | 
or equivalent | 
380.140 or 378.100 | As for 380.200 | 
or equivalent | 
380.140 | As for 380.200 | 
380.140 | As for 380.200 | 
As for 375.210 | 375.110, 375.210 | As for 380.200 | 
Two Stage II papers or equivalent in Pastoral Care | 
As for 380.301 | Prerequisites may be taken as corequisites. In exceptional circumstances and by special permission of the Head of Department, prerequisites for Stage III papers may be waived | As for 380.301 | 
One paper from: 380.301, 380.302, 380.304 | As for 380.301 | 
and with permission of the Head of Department and the Dean of ACTE | 
As for 380.301 | 
As for 380.301 and with permission of the Head of Department of Moral and Practical Theology and the Dean of ACTE | As for 380.301 | 
380.211 or 380.215 or 380.240 and with permission of the Head of Department of Moral and Practical Theology and the Dean of ACTE | As for 380.301 | 
Permission of Head of Department | Two Stage II papers in Moral Theology and with the permission of the Head of the Department of Moral and Practical Theology and the Dean of ACTE | As for 380.301 |
THE DEGREE OF MASTER OF THEOLOGY MTheol

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following regulations; for general provisions affecting their courses of study, students are referred to the Enrolment, Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations, a candidate for the Degree of Master of Theology shall before enrolment for this Degree:
   (a) have been admitted or qualified for admission, to the Degree of Bachelor of Theology, except as provided in Regulation 2 below,
   (b) (i) have fulfilled the prerequisites for a subject as listed in the Schedule to these Regulations and have obtained a grade average of
       or higher in the Stage III papers in that subject;
       (ii) provided that in special circumstances where the Chairperson of the Joint Board of Studies in Theology so recommends, the Senate
           may accept a grade average of less than B or waive any such prerequisites as it thinks fit.

2. Subject to the Admission Regulations, a candidate may enrol for this Degree after having completed at least nineteen papers, including eligible
   papers at advanced level for the Bachelor of Theology Degree, provided that:
   (a) they have obtained grades averaging B+ or above in the advanced papers for the Bachelor of Theology Degree of the subject they intend
       to take for this Degree;
   (b) they satisfy the conditions of Regulation 1(b) above, or are exempt from them;
   (c) the remaining papers or papers for the Bachelor of Theology Degree are not prerequisites to the course for this Degree;
   (d) they enrol for these papers in the first year of their course for this Degree;
   (e) they should not pass the remaining paper or papers in their first year of their Master of Theology course, their Master’s course shall
       be suspended until they have passed the remaining paper or papers.

3. A candidate for this degree shall follow a course of study of not less than two academic years full-time or the equivalent part-time. Except
   with the special permission of the Senate, this shall extend over no more than three years, or, in the case of part-time students, four years.

4. A candidate for this Degree shall take four papers and a thesis in one of the subjects prescribed in the Schedule.

5. A candidate shall be required to pass in all four papers taken and the thesis.

6. A candidate for this degree may not:
   (a) substitute a paper or papers for any paper in which the candidate had already been examined for this Degree;
   (b) resit any paper for this Degree except as provided in Regulation 12;
   (c) take any paper for this Degree which is the same or substantially equivalent to any other paper that he or she has passed, or is taking
       another degree and obtain credit for the paper for both degrees.

7. A candidate for this Degree may, on the recommendation of the Chairperson of the Joint Board of Studies in Theology, and with the permission
   of the Senate, take one Stage III or one Master’s paper or one Stage III and one Master’s paper, or two Master’s papers in a subject or subjects
   other than the subject being taken for this Degree, if in each case such a paper is related to the candidate’s research interests. With the approval
   of the relevant Head of Department, such papers may be from departments within other faculties of this University.

8. The personal course of study of every candidate must be approved by the Chairperson of the Joint Board of Studies in Theology.

Thesis

9. (a) The candidate shall work under the supervision of a person, or persons, appointed by the Senate.
   (b) Two bound copies of the completed thesis, with a 350 word abstract bound into each copy, shall be submitted to the Registrar by
       November of the second year of candidature provided that the Chairperson of the Joint Board of Studies in Theology may in exceptional
       circumstances permit a thesis to be submitted during the third year of candidature. The Registrar shall deliver the thesis to the Chairperson
       of the Joint Board of Studies in Theology.

Results

10. The Degree may be awarded with First Class Honours, Second Class Honours (First Division), Second Class Honours (Division Two) or a
    Pass Degree.

11. (a) Honours shall be awarded only if a candidate obtains a sufficient standard in the papers taken and in the thesis and only if the candidate
    has completed the requirements for the Degree within three academic years.
    (b) A candidate permitted under Regulation 3 to take a course of study for this Degree for a longer period than three academic years shall
    not be eligible for Honours unless the Senate so decides.

12. A candidate whose performance at a written examination has been seriously impaired by illness or exceptional circumstances beyond the
    candidate’s control (certified as under the Aegrotat Pass or Compassionate Pass provisions of the Examination Regulations) may elect, instead
    of applying for an aegrotat or compassionate pass, to present herself or himself at a subsequent written examination and still be eligible
    for the award of Honours.

13. The Senate may in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing
    Regulations.

14. These Regulations shall come into force on 1 January 1994.

SCHEDULE

(1) First Testament

Prerequisites: Six papers in the subject First Testament, including three Stage III papers in Group C and papers 375.161 and 376.212. The attempt
of prospective candidates in First Testament is drawn to the fact that the selection of possible thesis topics may be severely curtailed if the candidate
has not already demonstrated competency in some modern languages other than English.

Requirements: Four papers in the subject First Testament, of which one paper shall be 376.400, together with a thesis (376.601) which counts as three papers. The papers shall be selected from 376.400 - 376.420. A candidate shall take three of the papers and begin work on the thesis in the first year and take the fourth paper and complete the thesis in the second year, except that at the discretion of the Chairperson of the Joint Board of Studies in Theology, a candidate may be permitted to vary this sequence. During the first year, the candidate shall begin work on the thesis presenting a thesis proposal and, upon the approval of this by the appointed supervisor, by writing the first draft of the first chapter of the thesis.

(2) New Testament

Prerequisites: Six papers in the subject New Testament, including three Stage III papers in Group C and papers 375.160 and 377.226. The attempt
of prospective candidates in New Testament is drawn to the fact that the selection of possible thesis topics may be severely curtailed if the candidate
has not already demonstrated competency in some modern languages other than English.

Requirements: Four papers in the subject New Testament, of which one paper shall be 377.400, together with a thesis (377.601) which counts as three papers. The papers shall be selected from 377.400 - 377.420. A candidate shall take three of the papers and begin work on the thesis in...
first year and take the fourth paper and complete the thesis in the second year, except that at the discretion of the Chairperson of the Joint Board of Studies in Theology, a candidate may be permitted to vary this sequence. During the first year, the candidate shall begin work on the thesis by presenting a thesis proposal and, upon the approval of this by the appointed supervisor, by writing the first draft of the first chapter of the thesis.

(3) Systematic Theology

Prerequisites: Six papers in the subject Systematic Theology, including three Stage III papers in Group D. The attention of prospective candidates in Systematic Theology is drawn to the fact that the selection of possible thesis topics may be severely curtailed if the candidate can not already demonstrate competency in some modern languages other than English. Candidates should also note that it would be assumed that the author of a postgraduate thesis in Theology would have a working knowledge of both major biblical languages.

Requirements: Four papers in the subject Systematic Theology, of which one paper shall be 378.400, together with a thesis (378.601) which counts as three papers. The papers shall be selected from 378.400 - 378.420. A candidate shall take three of the papers and begin work on the thesis in the first year and take the fourth paper and complete the thesis in the second year, except that at the discretion of the Chairperson of the Joint Board of Studies in Theology, a candidate may be permitted to vary this sequence. During the first year, the candidate shall begin work on the thesis by presenting a thesis proposal and, upon the approval of this by the appointed supervisor, by writing the first draft of the first chapter of the thesis.

(4) Church History

Prerequisites: Six papers in the subject Church History, including three Stage III papers in Group C. The attention of prospective candidates in Church History is drawn to the fact that the selection of possible thesis topics may be severely curtailed if the candidate can not already demonstrate competency in some modern languages other than English. Candidates should also note that it would be assumed that the author of a postgraduate thesis in Theology would have a working knowledge of both major biblical languages.

Requirements: Four papers in the subject Church History, of which one paper shall be 379.400, together with a thesis (379.601) which counts as three papers. The papers shall be selected from 379.400 - 379.425. A candidate shall take three of the papers and begin work on the thesis in the first year and take the fourth paper and complete the thesis in the second year, except that at the discretion of the Chairperson of the Joint Board of Studies in Theology, a candidate may be permitted to vary this sequence. During the first year, the candidate shall begin work on the thesis by presenting a thesis proposal and, upon the approval of this by the appointed supervisor, by writing the first draft of the first chapter of the thesis.

DEGREE COURSE PRESCRIPTIONS

BTheol

GROUP A

The subjects listed in the Schedule to the Regulations for the Bachelor of Arts (except for those papers from Groups C and D listed in Schedule to these Regulations) and as prescribed for the Degree of Bachelor of Arts.

GROUP B

Introductory and Ancillary Topics

Stage I

375.120 Speech Communication A

A basic paper in oral communication theory and practice, including the production and management of the speaking voice and effective oral interpretation of poetry and prose.

375.121 Human Communication

Analysis of theories and processes of human communication, and of the relationship between communication skills and Homiletics and Liturgics. The study of context, situation perception, medium and message in oral communication and Christian worship.

*375.130 Literature and Theology A

An introduction to literature and its theological value. This paper will study images of God and Christ in literature, and selected themes such as the Fall, the absence of God, suffering, hope and prophecy.

375.131 Literature and Theology B

A study of a range of literature which explores human experience and belief, and includes the Christian's journey and Christian community. Childhood, old age and death, are discussed in the context of New Zealand writing.

375.140 Maori Language A

This is an introductory paper designed to help each student acquire confidence and competence in: reading liturgical and biblical material, conversation sessions (including the writing of the same), speech making, and waiata (sung poetry).

375.150 Cross Cultural Studies

This paper draws attention to the social knowledge and understanding of all the participants and utilizes this knowledge to examine the cultural, political and social implications for contemporary New Zealand society and to develop greater awareness, sensitivity and appropriate actions which express the demands of justice, reconciliation and human liberation.

375.160 Introduction to Biblical Hebrew

The aim of the course is to evoke confidence and enjoyment and to gain, by the use of the existential method of learning languages, the basic skills of listening to, speaking, writing and reading of biblical Hebrew.

375.161 Introduction to Koine Greek

This paper introduces the students to the language of the Greek New Testament in preparation for translation and exegesis of the Greek text of the New Testament in subsequent years.

*375.162 Introduction to Syriac: Language and Translation

No prior knowledge of Syriac is required. The text for translation will be specified each year.

375.170 Greek Philosophy for Theologians

An examination of selected metaphysical themes from major Greek philosophers, which have influenced the development of Western Theology. Topics include the notions of being, nature, matter, form, potency, act, substance, teleology, good, time, space, God.

Stage II

375.210 Maori Perspectives I

This paper examines Maori perspectives on Maori society in the past and today. It includes the spiritual and material concepts that underlie and support Maori history and culture, as well as Maori responses to various initiatives, including those of the Church.

*375.220 Speech Communication B

A study of the practice and principles of public speaking, and effective speech communication in leading worship.

375.221 Communication Studies - Religion and the Media

The paper will explore implications of modern forms of mass media for Christian faith and mission; icon; myth and symbol in the media culture; the place of the Church is a mass media environment; analysis of media impact studies on culture and society; an exploration of strategies for faith communities in media education and engagement.

375.240 Maori Language B

This paper is aimed at increasing the student's competence in reading, conversation, writing, speech making and waiata.
375.270 "Modern" Philosophy and the Challenge to Theology
An examination of the challenge which “modern” philosophy poses to theology. The course covers the beginnings of modernity, the preoccupation with foundations and method, the impact of science, “rationalist” and “empiricist” approaches to knowledge of God, Enlightenment criticism of religion, Kant’s critique of metaphysics and natural theology.

375.271 Metaphysical Themes in Aquinas
A study of fundamental metaphysical questions in the philosophy of Thomas Aquinas. Topics include the relation of philosophy to theology, the influence of medieval physics and cosmology, the use made of earlier philosophers, the notion of esse, the analogy of being, the transcendentals, the problem of evil.

375.272 The Human Being in Aristotle and Aquinas
A study of selected topics in philosophical anthropology from Aristotle and Aquinas. Topics are chosen for their theological relevance, and include the body/soul relation, perception, emotion, mind, freedom/will, immortality.

Stage III

375.311 Exegesis of Maori Manuscript Texts
A detailed exegesis of selected Maori manuscript texts from the collections of Grey, Shortland, Taylor and White.

375.330 Maori Perspectives Research Essay
This is a reading and research paper for advanced students in Maori. It is intended to cater for specific interests, or needs, not met within the current schedule of papers offered in Maori Studies.

375.340 Maori Language C
As for Maori Language B but at an advanced level.

375.345 Maori Language D: Kauhau
The aim of this paper is to give theoretical and practical guidance from a Maori perspective in the construction and presentation of Kauhau. It is expected that students who undertake this paper are fluent speakers of Maori.

GROUP C

First Testament (also known as the Old Testament or Hebrew Bible)

Stage I

376.100 Introduction to the First Testament
The aim of the paper is to indicate to students, methods and areas of study which illuminate the background and nature of the First Testament (also known as the Old Testament or Hebrew Bible).

376.101 The Art of Interpreting the Hebrew Bible
The paper will endeavour to give students a broad vision of the significance of the Hebrew Bible in the light of scholarship, with peculiar attention to what is of value for theological understanding today.

Stage II

375.230 The Bible in Literature
A study of a range of literature which employs Biblical symbols, themes and concerns to inform life situations. The paper will consist of a series of seminars which reflect on the portrayal of God, liberation, freedom, journey, exile, land, evil, suffering, meals, celebration, Christ, in the context of contemporary literature.

376.201 The World of the First Testament
The aim of this paper is to study the geography, ecology and socio-political organisation of ancient Israel and related societies.

376.210 Studies in Tanak (A)
1994: Pentateuch - Genesis
Torah, Prophets and Writings. An examination of the main sections of the Hebrew Bible and detailed study of selected texts. The Tetratuch, Deuteronomistic History, Prophets and Writings will be dealt with in a cycle over two or more years.

376.211 Studies in Tanak (B)
1995: Prophets - Jeremiah
This paper will provide an additional Stage II exegetical option and will be similar to 376.210 but based on a different text.

376.212 Exegesis of Selected Hebrew Bible Themes
Translation and exegesis of selected texts in the Hebrew language.

376.213 Isaiah Exegesis
This paper will include a general introduction to prophecy in ancient Israel, an overview of the content and literary history of the book of Isaiah and exegesis of selected passages.

376.214 Psalms
This paper will include a general introduction to the book of Psalms, with exegesis of a range of psalms, illustrating the variety of literary forms, underlying traditions and theology.

376.220 Early Post-Biblical Judaism
An introduction to: the history of the period from 200 BCE to 135 CE which stretches from the Seleucid domination of the region to the aftermath of the Bar Kochbar revolt; the origin and development of streams of religious thought and practice within the Judaism of this period; the influence of Hellenism and the effects of Hellenisation.

376.225 Special Topic
This paper will examine the genre of Hebrew short story with particular reference to the books of Ruth and Jonah. Exegetical and literary questions will inform a detailed examination of the texts, which will also be viewed in their wider canonical context.

Stage III

376.310 Studies in Tanak (i)
An advanced study of the main sections of the Hebrew Bible covering material not dealt with at Stage II.

376.311 Studies in Tanak (ii)
1995: Writing the Prophets
A comprehensive study of the book of Job, at all times relating exegesis of specific passages to wider issues such as the structure and intention of the book. Consideration will be given to the book’s place in the biblical tradition.

376.312 Exegesis of Selected Hebrew Bible Themes
Translation and exegesis of selected texts in the Hebrew language. Texts specified annually.

376.313 Unity and Diversity in Isaiah
This paper will explore the variety of theological perspectives within the book of Isaiah, informed by contemporary readings of the text.

376.314 Worship in Ancient Israel
This paper will cover aspects of worship in ancient Israel, with particular attention to the place of the Psalms. The continuing significance of Israelite perspectives in contemporary faith communities will also be considered.

376.320 First Testament Theology
The aim of this paper is to draw on exegetical and introductory studies in order to explore overall theological structures on the Hebrew Bible.

376.325 Special Topic
1995: Women of the Bible
A literary-feminist reading of the Bible, examining the matriarchs and other women of Genesis, as well as the Deuteronomistic History, with careful attention to the women of Judges.

376.330 First Testament Research Essay
This is a reading and research paper for advanced students majoring in Hebrew Bible. It is intended to cater for specific study interests or needs not met within the current schedule of paper offerings in Hebrew Bible.

First Testament for MTheol and Honours

376.400 Postgraduate Seminar
Interdisciplinary study of selected topics.

376.405 Israel’s Origins
Study of ancient Israel’s traditions of origin in the light of contemporary archaeological and social science perspectives.

376.410 Exile as Catalyst
Considerations of the impact of the sixth century exile on the formation of the Torah and on the Prophetic traditions of ancient Israel.
*376.415 First Testament Aramaic
Analysis of the text and context of the Aramaic sections of the Books of Ezra and Daniel.

*376.420 Hermeneutics of the First Testament
A critique of interpretative methods from midrash to reader-response theory.

376.601 Thesis
The thesis, which shall be of approximately 35,000 words, shall embody the results obtained by the candidate in an investigation relating to some branch of the subject.

New Testament
Stage I
377.100 Introduction to the New Testament
This paper will introduce students to a sensitive, critical reading of the literature that makes up the New Testament, based primarily on the approach of narrative criticism. Other, more traditional, critical approaches will, when appropriate, be introduced within this literary context.

Stage II
375.230 The Bible in Literature
A study of a range of literature which employs Biblical symbols, themes and concerns to inform life situations. The paper will consist of a series of seminars which reflect on the portrayal of God, liberation, freedom, journey, exile, land, evil, suffering, meals, celebration, Christ, in the context of contemporary literature.

1377.201 The World of the New Testament
A study of the historical, political, social, economic and religious worlds that lie behind the texts of the New Testament.

377.211 The Synoptic Gospels
A study of a Synoptic Gospel using selected passages for exegetical, theological and narrative analysis.

*377.212 The Johannine Writings I
This paper provides an introduction to the literature of the Johannine Community and the Community behind this literature.

377.213 The Pauline Letters (A)
1995: Romans
General issues surrounding the production, use and interpretation of the Pauline corpus, together with the analysis and exegesis of one letter. The letter to be studied will be selected each year.

377.214 The Pauline Letters (B)
1995: Ephesians
As for 377.213 but based on a different letter.

377.225 Special Topic

*377.226 Translation and Exegesis of Selected Greek Texts
Texts will be specified annually.

Stage III
377.311 Studies in the Gospels: The Passion Narratives
A study of (a) the passion narratives of Mark and John, with special emphasis on the approaches of narrative and redaction criticism; (b) the trial and death of Jesus, with special attention paid to the issues of history and theology.

*377.312 Apocalyptic and the Apocalypse
A general introduction to the development of apocalyptic and the genre of Apocalypse, its social context and interpretation.

377.313 Studies in the Epistles
1995: Paul as they remembered him
An advanced study of some aspect of the critical study of the Epistles, for example, Pauline Theology, Pauline Eschatology.

*377.314 The General Letters
An advanced study of the critical study of one or more of the General Letters. The text or theme will be chosen annually.

*377.315 The Johannine Writings II
Further Investigation of the Gospel of John is carried over into the Johannine Letters.

*377.316 The Resurrection Traditions in the New Testament
A study of the Resurrection Traditions in the New Testament. The paper will look at both the content and the development of the traditions from the perspectives of critical New Testament study. It will also look at how these traditions are interpreted by a selected group of contemporary theologians.

377.317 The Parables of Jesus
A study of the parables of Jesus as a literary form, the literary and social world of the parables and an investigation of the place of the parables within individual Gospels.

377.318 Studies in The Gospels: Sayings Traditions II
This paper focuses on the sayings of Jesus found in the Q tradition used by Matthew and Luke. It includes a discussion of the methods of reconstructing the Q source, analysis of theories of the development of Q, its content and theology. While not required, a knowledge of Greek is helpful.

377.325 Special Topic
This paper will focus on the tradition of the Sayings of Jesus especially as recorded in the Synoptic Gospels, the question of the authentic sayings of Jesus (ipsissima verba Jesu) and the criteria used in determining authenticity.

377.326 Translation and Exegesis of Selected Greek Texts
The texts will be specified annually.

This is a reading and research paper for advanced students majoring in New Testament. It is intended to cater for specific study interests or needs not met within the current schedule of paper offerings in New Testament.

New Testament for MThol and Honours
377.400 Postgraduate Seminar
Interdisciplinary study of selected topics.

*377.405 The Search for the Historical Jesus
The history of the investigation of the problem with particular attention paid to issues of method and to key figures who have joined the search.

377.410 Pre-Gospel Traditions of the Sayings of Jesus
The Q tradition, gnostic traditions, criteria of authenticity.

377.415 Paul and Group Boundaries
Getting in and staying in, Christian distinctiveness and discipline, authority and community cohesiveness: an investigation of selected themes within the Pauline corpus.

377.420 Special Topic

377.601 Thesis
The thesis, which shall be of approximately 35,000 words, shall embody the results obtained by the candidate in an investigation relating to some branch of the subject.

GROUP D
Systematic Theology
Stage I
378.100 Introduction to Theology
An exploration of the sources, methods and functions of systematic theology.

*378.101 Contemporary Judaism
An introduction to the contemporary expression of Judaism.

378.102 A Maori Theology Perspective I
An introduction to Christian theology using what are seen to be a group of contemporary theologians.

378.200 God as Revealer and Creator
Contemporary approaches and interpretations of the doctrines of revelation and creation.

378.201 Church, Ministry and Sacraments
A study of ecclesiology carried out in the framework of the doctrine of the Holy Spirit and eschatology.
**378.202 Christology**  
An introduction to the study of christology covering both historical and theological developments.

**378.203 Sacramental Theology**  
A study of sacramentality in Christian thought and practice. The paper will focus particularly on such areas as initiation, eucharist, reconciliation, healing, marriage and ministry.

**378.204 Contemporary Christian Thought from a Feminist Perspective**  
An exploration of contemporary Christian feminist thought in dialogue with the Christian tradition and the experience of women.

**378.205 Special Topic**  
A study of some of the inter-relationships between theology and science.

**378.206 Theology and Science**  
This paper will examine the language used to talk of and to God in theology and worship. Particular attention will be paid to the historical development of trinitarian and christological language and to contemporary challenges to traditional language.

**378.208 A Māori Theology Perspective II**  
A continuation of the study of Christian theology using what are seen to be a number of Māori concepts and values. This paper will highlight Māori revelation as a basis for Christian living.

**378.210 Theology of Mission I**  
An examination of the theology of mission, including the following: biblical and historical foundations, formative thinkers of the 19th and 20th centuries, contemporary discussion regarding the nature of mission, approaches to living faiths and ideologies, Gospel and Culture. (This paper was formerly listed as 380.210.)

**378.215 Knowledge of God**  
An examination of the relation of faith to reason. Topics include analogy and knowledge of God, the nature of theological language, the "attributes" of God, reason and the existence of God, revelation, Scripture, the development of doctrine.

**378.220 Theology, Story and Imagination**  
An investigation of the connection between theology, story and imagination. Attention will be paid to hermeneutical problems deriving from the subject matter of theology to which categories such as narrative, parable, metaphor, model and myth have been applied.

**378.221 Religions of the World**  
A paper in which the thought of the major religions of the world will be studied, as well as the religious dimension of culture in New Zealand. The approach will be phenomenological.

**Stage III**

**378.300 God as Spirit and Trinity**  
(a) Holy Spirit: the doctrine of the Spirit in the Bible, historical developments of the doctrine, justification and sanctification, contemporary discussions of the Spirit in relation to the Church;  
(b) Trinity: the biblical foundations of the doctrine of the Trinity, historical developments of the doctrine, relation of the doctrine to the Christian understanding of God and the life of faith.

**378.302 Issues in Contemporary Theology**  
This will be a seminar paper in which students will be invited to study and then respond, through seminar presentation and written work, in a number of theological areas where transformation is taking place.

**378.304 Special Topic**  
Critical Debates in 20th Century Theology.

**378.305 Dietrich Bonhoeffer and the German Church Struggle**  
This course is intended as a detailed study both of the theology of Dietrich Bonhoeffer and of the theological issues (including revelation, culture, the place of Judaism in Christianity) emerging from the German Church Struggle during the Third Reich.

**378.307 Theology of Mission II**  
The focus of this paper is the missionary challenge represented by contemporary Western Culture. The nature of that culture will be investigated, and the implications of this for theology of mission explored. Topics include: epistemological roots of Western culture; theology and the legacy of the Enlightenment; relationship between gospel and culture; theological challenge of pluralism; theology in postmodern society; gospel as public truth.

**378.308 The Holy Spirit**  
The paper explores the Christian understanding of the person and work of the Holy Spirit and its relation to Christian life. Topics include: biblical foundations for the doctrine; historical development of the doctrine; theology of the Pentecostal and charismatic movements; the relation of the doctrine to a range of key concepts and concerns in Christian life and tradition.

**378.309 The Trinity**  
The paper explores the Christian understanding of God as Trinity and the relation of the doctrine to Christian theology. Topics include: biblical foundations for the doctrine; historical development of the doctrine; the implications of the doctrine in relation to a range of key concepts and concerns in Christian life and tradition.

**378.310 The Eucharist**  
The paper examines the Eucharist against the background of the Jewish Passover, Jesus' table fellowship, his final meal and impending death and will discuss the development of the eucharistic doctrine. It will include such topics as: eucumenical 'agreed statements'; theological understandings of Christ's presence in the sacrament; the Eucharist and the Cross; Resurrection and Parousia; the Eucharist as worship and as symbol of the Church's unity.

**378.330 Systematic Theology Research Essay**  
This is a reading and research paper for advanced students majoring in Systematic Theology. It is intended to cater for specific study interests or needs not met within the current schedule of paper offerings in Systematic Theology.

**Systematic Theology for MThol and Honours**

**378.400 Postgraduate Seminar**  
Interdisciplinary study of selected topics.

**378.405 System and Method in Theology**  
The quest for theological method in contemporary theology as illustrated in the writings of Bernard Lonergan and Karl Rahner.

**378.410 Twentieth Century Theology**  
The study of a major twentieth century theologian.

**378.415 Postmodernity and Theology**  
An examination of the key texts on the breakdown of "modernity", with critical discussion of various theological responses.

**378.420 Theology in Aotearoa - New Zealand**  
An exploration of selected themes, issues, and methods relevant to theology in Aotearoa New Zealand.

**378.601 Thesis**  
The thesis, which shall be of approximately 35,000 words, shall embody the results obtained by the candidate in an investigation relating to some branch of the subject.

**Church History**

**Stage I**

**379.100 The Church in History to 500 CE**  
A broad introduction to the history of the Church in this formative period. The course will include such topics as the following: the early Christian writings, dissent and discipline, asceticism, and monasticism; church-state relationships, theological controversies leading to Nicaea and Chalcedon, worship and sacraments, social and ethical questions, the role of women.

**379.101 Christianity in Aotearoa New Zealand**  
The first part of the paper looks at the 19th century in New Zealand: the interaction of the Gospel, missionaries and Māori; settler churches and involvement in the land wars, with one another and with New Zealand society. The second part looks at the Church in the 20th century.

**379.104 The Church in History to 1500 CE**  
A survey of Christian history up to the sixteenth century. The course will introduce students to historical method and to significant events, issues and people.
Stage II

*379.200 Church in History: 500-1600
An examination of the relationship between Church, State and Society in Medieval Europe based on selected themes.

379.201 Reformation Church History
This paper will cover: (a) early attempts at reform; the conciliar movement, Wyclif and Hus; (b) major focus on the reforming achievements of Luther or Calvin; (c) the radical reformers; (d) the Catholic Reformation; (e) Reformation in England and Scotland.

379.203 Modern Church History
A study of the history of the Church from the 17th century to the present day.

379.204 The Baptist Church
An introduction to the origins, growth and principals of the Baptist church.

379.205 History of the Catholic Church in Aotearoa-New Zealand and Australia
This paper aims to study the development of the Catholic Church in Aotearoa-New Zealand and/or Australia. Topics may include the early development of Catholicism; indigenous peoples and Catholicism; Catholic Settlers; the development of Catholic education; the contribution of Religious Orders; relationships with other Christian Churches; significant persons in the history of the Catholic Church.

379.206 Introduction to Anglicanism
This paper discusses the nature of Anglicanism, with particular attention to four core-themes of history, theology, spirituality and worship.

379.207 The Methodist Church: Its Ethos, History and Theology
This paper studies the Methodist Church, with particular attention to its ethos, history and theology, relating them particularly to issues facing contemporary New Zealand Methodism, including Ministry in “Cooperating Ventures”.

379.210 Special Topic

Stage III

*379.300 Church and Society in the South Pacific
A study of the history of missionary impact on the South Pacific.

379.301 Women in the Christian Tradition I
This course looks at various approaches and problems involved in the study of women in the Christian tradition.

*379.302 Women in the Christian Tradition II
This paper addresses the history of women in the Church from the time of the Reformation until the present day.

*379.303 Twentieth Century Ecumenism
A seminar studying the origins, development and theology of the ecumenical movement in the 20th century.

379.304 The History of Christian Spirituality
An examination of aspects of the history of Christian spirituality.

379.325 Special Topic
1995: The Churches in Aotearoa-New Zealand

379.330 Church History Research Essay
This is a reading and research paper for advanced students majoring in Church History. It is intended to cater for specific study interests or needs not met within the current schedule of paper offerings in Church History.

Church History for MTheol and Honours

379.400 Postgraduate Seminar
Interdisciplinary study of selected topics.

*379.405 Gender, Sex, and Sexuality in the History of Christianity
Involves students in reading significant Christian writers, including Augustine, Aquinas and Luther. Critical evaluation of their understanding of gender, sex, and sexuality within their own context and in the light of contemporary debates.

379.406 Women and the Ecumenical Movement
This course studies women's active participation in organisations such as the World Student Christian Federation, the International Missionary Council, and the World Council of Churches and the ecumenical tension caused by women's presence and participation. Attention will also be paid to women's ecumenical organisations such as the World Young Women's Christian Association and the World Day of Prayer as well as emerging ecumenical networks. Students will also be encouraged to consider the role of women in the ecumenical movement in New Zealand, from the Women's Christian Temperance Union to the present day.

379.410 Religious Movements in Nineteenth Century Britain
A study of two religious movements within the context of the Reformers of British society. The topics will be chosen from: the Oxford Movement, the Scottish Disruption, Evangelicalism, and Christian Socialism and will raise questions about their relation to New Zealand church history.

*379.415 Protestant Missionaries in Historical Perspective: 1790 to the present
Examines selected themes dealing with inter-relation between missionaries and issues to do with culture, colonialism, commerce, indigenisation, and gender, with special reference to the Pacific.

379.420 Catholic Missions 1500-1800
The system of missions under the royal patronage of the sovereigns of Spain and Portugal; the rise of the missions de propaganda Fide. Selected areas will be treated.

*379.425 French Missionaries in New Zealand 1800-1900
A survey of the contribution of French Roman Catholic missionaries to the religious history of New Zealand in the nineteenth century; a study of their presence and eventual withdrawal.

379.601 Thesis
The thesis, which shall be of approximately 35,000 words, shall embody the results obtained by the candidate in an investigation relating to some branch of the subject.

GROUP E

Moral and Practical Theology

Stage I

380.100 Introduction to the Pastoral Situation
Introduction to the principles and theology of pastoral care and counselling.

380.110 Christian Missions in History and Culture
An introduction to some of the major issues in the spread of Christianity.

380.112 Christian Spirituality
A study of the nature and relationship of the elements considered essential in the Christian tradition for spiritual growth. Includes selections from the principles of spiritual and human formation, the relevance of the spiritual classics for today, the developing of the skill of formative reading of the scriptures, and expressing ways of praying and spiritual reading.

380.115 Spirituality and Justice I
This paper will examine the Christian call to justice through a study of the scriptures and Church social teaching. It will explore foundational aspects of a spirituality of justice.

380.120 Religious Education - Faith and Learning
An introduction to some of the major issues facing Christian educators.

380.130 Liturgics
This paper will explore the theology and practice of contemporary Christian worship in various social and cultural contexts, especially in Aotearoa-New Zealand.

380.140 Christian Ethics I
An introduction to the sources, methods, and praxis of Christian ethics.

380.150 Cross Cultural Studies
This paper draws attention to the social knowledge and understanding of all the participants and utilizes this knowledge to examine the cultural, political and social implications for contemporary New Zealand society and to develop greater awareness, sensitivity and appropriate actions which express the demands of justice, reconciliation and human liberation.
Stage II

380.200 Principles and Practice of Pastoral Counselling
The aim of this paper is to extend the awareness of pastoral theology and to develop the skills needed in the various aspects of pastoral care.

380.201 Human Development and Pastoral Care
A consideration of the phases of human development and their relationship to pastoral care.

380.202 Understanding Oneself and Others
This paper will explore the spiritual and psychological resources which help people understand themselves, and thus better understand others. It will include an examination of the roles of women and men in society, and self-analysis using both genograms and the Myers-Briggs Personality Profile.

380.203 Life in the Body
This paper covers the ethics of human sexuality in a global context. Topics covered include sexual identity and role of sexes, issues of marriage, divorce, homosexuality, pornography, fertility, population issues.

380.204 Clinical Pastoral Education
An intensive programme of 400 hours of supervised pastoral ministry, often undertaken in the context of a clinical setting, usually over a ten week period.

380.211 Church and Society
This paper will examine the social imperative of ministry, the biblical and theological roots of social ministry, the interface between church and society, the social and political implications of the Gospel, together with models of social ministry, including community development.

*380.212 Mission in an Urban Context
A study of justice, politics and power as they relate to specific issues of urban ministry.

380.215 Spirituality and Justice II
This paper will study contemporary social issues from a Christian perspective with an emphasis on Aotearoa-New Zealand. It will explore emerging themes for developing a spirituality of justice.

380.225 Homiletics
The theory and practice of preaching.

380.226 Communication of Faith
A study of the theology and practice of evangelism.

380.230 Christian Ritual
This paper will explore symbols and rituals particularly in relation to the major Christian liturgies. It will include aspects of inculturation with research on and participation in rituals.

*380.233 The History of Christian Worship
A study of the development of Christian liturgy, primarily in the West, and the forces which have influenced it. The principal liturgical references will be Initiation, Eucharist and the Liturgical Year.

*380.235 Liturgical Prayer: The Languages of Time, Space and Music
This paper explores Christian approaches to time, space and music as expressions of liturgical prayer in the tradition and in contemporary experience.

*380.240 Christian Ethics II
A study of historical and contemporary Christian ethical thought and praxis and its relation to theology and philosophy. A special study will be made of the understanding of grace in Christian thought and its relation to ethical practice.

380.241 Questions in Bioethics
An examination and discussion of ethical questions arising from advances in biotechnology. Particular emphasis on principles involved in deciding such questions as genetic engineering, in vitro fertilization, euthanasia, abortion, the notion of consent. *380.242 Christian Theology of Marriage and the Family
A theological examination of the Christian significance of marriage and the family. Topics include the historical development of theological reflection on marriage, marriage as a conventional reality, breakdown of marriage, the place of children in marriage.

380.250 Maori Perspectives
This paper examines Maori perspectives on Maori society in the past and today.

Stage III

380.301 Pastoral Care in Human Relationships
This paper examines in depth human relationships concerning family systems, sexuality and marriage, focusing in particular on dysfunction problems in human interactions. It will also examine what are the systems and networks in the New Zealand context that could better support and enhance these relationships.

380.302 Pastoral Care and Gender Studies
This paper examines the role of gender in affecting human behaviour and response, including some of the Christian traditions concerning gender difference and human sexuality, and concentrating on the more recent impact of women’s studies, men’s studies and gay liberation theology on the way pastors understand and provide support for those seeking pastoral care.

380.303 Special Pastoral Project
This is a research paper on a special project for advanced students majoring in Practical Theology. It is intended to cater for specific study interests or needs not met within the current schedule of paper offerings in Pastoral Care.

380.304 Biculturalism and Pastoral Care
This paper examines in depth the pastoral, cultural, and social issues and tensions between Maori and Pakeha populations. Beginning with the Theology of Otherness, course contents will emphasize the role of tradition in pastoral care and its critical hermeneutical application, pastoral apologetics, and conflict resolution between cultures. Special emphasis will be placed upon social services in Aotearoa/New Zealand which support the pastoral task.

380.310 Pastoral Care Research Essay
This is a reading and research paper for advanced students majoring in Pastoral Care. It is intended to cater for specific advanced research interests not met within the current schedule of Pastoral Theology offerings.

380.315 Justice in Context
A research seminar intended to deepen student’s understanding of social analysis. A biblical/theological foundation for justice will be complemented with analytical method, to the end of applying Christian social analysis to specific issues in our contemporary context.

380.330 Liturgics Research Essay
This is a reading and research paper for advanced students majoring in Liturgics. It is intended to cater for specific study interests not met within the current schedule of Liturgic offerings.

380.340 Moral Theology Research Essay
This is a reading and research paper for students advancing in Moral Theology. It is intended to cater for specific advanced study interests not met within the current schedule of Moral Theology offerings.

Note: * Starred papers will not be taught during the current Calendar year.
† daggered papers will not be taught during the current Calendar year unless sufficient staff are available.
# Inter-Faculty Degrees and Diplomas

<table>
<thead>
<tr>
<th>Degree Course Regulations</th>
<th>Bachelor of Music Education</th>
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<td>503</td>
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<table>
<thead>
<tr>
<th>Degree Course Prescriptions</th>
<th>Bachelor of Music Education</th>
<th>504</th>
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<tr>
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<td>Bachelor of Science Education</td>
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<td>Bachelor of Technology</td>
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<table>
<thead>
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<th>Diploma Course Regulations</th>
<th>Diploma in Environmental Management</th>
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<tr>
<td></td>
<td>Diploma in Science Education</td>
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<table>
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<tr>
<th>Diploma Course Prescriptions</th>
<th>Environmental Management</th>
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<tr>
<td></td>
<td>Mathematics Education</td>
<td>510</td>
</tr>
<tr>
<td></td>
<td>Science Education</td>
<td>511</td>
</tr>
</tbody>
</table>
DEGREE COURSE REGULATIONS

THE DEGREE OF BACHELOR OF MUSIC EDUCATION BMusEd

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

I. Subject to the admission regulations, a candidate for the Degree of Bachelor of Music Education shall before enrolling for this Degree satisfy the Head of the Department of Music at the University of Auckland that a suitable standard in music has been attained.

2. A candidate for this degree shall follow a course of study of at least four years.

Course requirements

3. The course of study for this Degree shall consist of twenty eight papers selected from those listed in the Schedule to these Regulations and from the schedules for the Degrees of Bachelor of Arts, Bachelor of Education and Bachelor of Music.

4. Every course of study shall include papers taken through University study and papers undertaken as part of the Auckland College of Education’s Teaching Studies & Professional Practice.

5. Each course of study shall have two parts, PART I and PART II. Part I shall include fourteen University of Auckland papers and Part II shall consist of three options from which each candidate must select one option. It is not necessary to complete Part I before commencing Part II.

PART I

Fourteen University of Auckland papers:

(a) Seven university papers in Education (including E14.150 and E14.151) of which at least two are required at Stage II level and three at Stage III level as prescribed for the Degree of Bachelor of Education or Bachelor of Arts

(b) Four university papers in practical musicianship as set out in Schedule A;

(c) Paper 28.105 (Basic Music Techniques) or another Stage I Music paper if, in the opinion of the Head of Department of Music at the University of Auckland, a sufficient standard in the theory of music has been attained;

(d) Paper 28.101 (Musicianship and Materials of Music);

(e) Paper 28.217 (Music Education).

PART II

A course of study which includes papers from the schedules of Teaching Studies & Professional Practice papers at the Auckland College of Education and may include University of Auckland papers. Students must select one of the following options for Part II of their course:

(i) Primary Music Certification

Fourteen papers in Teaching Studies & Professional Practice (including 632.130 and 632.230 Practical Studies in Musicianship 1A and 632.132 and 632.232 Practical Studies in Musicianship 1B) as prescribed and programmed on behalf of the Faculty of Education by the Principal of the Auckland College of Education.

AND

Three papers from the schedule for the degree of Bachelor of Music (of which at least two papers must be at Stage II or above);

AND

Two non-music papers from the schedule for the Degree of Bachelor of Arts (of which at least one paper must be at Stage II or above).

(ii) Secondary Music Certification

Nine papers in Teaching Studies & Professional Practice (including 632.130 and 632.230 Practical Studies in Musicianship 1A and 632.132 and 632.232 Practical Studies in Musicianship 1B) as prescribed and programmed on behalf of the Faculty of Education by the Principal of the Auckland College of Education;

AND

Four papers from the schedule for the Degree of Bachelor of Music (of which at least two papers must be at Stage II or above).

6. Except with the permission of the Senate no candidate shall take in any one year more than seven papers for this degree.

Credit for other Qualifications

7. The Senate may grant up to three papers towards the requirement of teaching studies in Part II for a course successfully completed at Wellington Polytechnic or another approved tertiary institution.

Special Provision

8. The Senate may, in exceptional cases, approve a personal course of study which does not conform to the foregoing Regulations.

Commencement

9. These Regulations shall come into force on 1 January 1995.

PART I

Schedule A

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title of Paper</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>28.237</td>
<td>Practical Studies in Musicianship 2A</td>
<td>632.130, 632.230</td>
</tr>
<tr>
<td>28.337</td>
<td>Practical Studies in Musicianship 3</td>
<td>28.237</td>
</tr>
<tr>
<td>28.397</td>
<td>Practical Studies in Musicianship 4</td>
<td>28.337</td>
</tr>
</tbody>
</table>
THE DEGREE OF BACHELOR OF SCIENCE EDUCATION BScEd

The Bachelor of Science Education (BScEd) is a four year degree taught within the Faculties of Education and Science, and in cooperation with the Auckland College of Education. There are two parts to the degree and during Part II students shall complete a Diploma of Teaching (Secondary) programme at the Auckland College of Education. The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General) and the Examination Regulations.

General Information

The Bachelor of Science Education (BScEd) is a four year degree taught within the Faculties of Education and Science, and in cooperation with the Auckland College of Education. There are two parts to the degree and during Part II students shall complete a Diploma of Teaching (Secondary) programme at the Auckland College of Education.

General Provisions

1. Except as provided in the Admission Regulations candidates for the Degree of Bachelor of Science Education shall follow a course of study of not less than four years.

2. (a) For the purpose of these Regulations, a ‘paper’ is a separately assessed segment of work in a subject, and papers are classified as follows:
   - Stage I (xxx.100 to xxx.199)
   - Stage II (xxx.200 to xxx.299)
   - Stage III(xxx.300 to xxx.399) etc
   (b) ‘Credits’ are awarded for the successful completion of papers as set out in the Schedule to these Regulations (“the BScEd Schedule”).

3. A complete course of study for this Degree requires the successful completion of Part I and Part II as detailed below. Students who have completed two years of a BSc degree may enter the BScEd at Part II. Students who are not successful in their application to the Auckland College of Education for the Diploma of Teaching may transfer BScEd credits to a Bachelor of Science (BSc) degree.

PART I

4. In Part I a candidate’s course of study for the degree shall comprise:
   (a) Not fewer than 66 credits in papers prescribed for the Degree of Bachelor of Science including
      (i) At least 12 Stage II credits in either Chemistry or Physics and
      (ii) At least 6 Stage I credits in each of the following subjects: Biology; Chemistry; Applied Mathematics or Pure Mathematics or Statistics; Physics and
   (b) Environmental Science 64.200 plus either Chemistry 08.200 (for those taking Physics under Regulation 4(a)(i)) or Physics 31.200 (for those taking Chemistry under Regulation 4(a)(ii)).
   (c) Students will apply to enter the Diploma of Teaching (Secondary) programme at the Auckland College of Education mid-way through their second year of Part I.

PART II

5. Admission to Part II of the course of study for the Degree of Bachelor of Science Education is dependent on acceptance into the Diploma of Teaching (Secondary) at the Auckland College of Education and on the recommendation of the Board of Studies.

6. After admission to Part II the candidate shall follow a course of study of at least two years which shall comprise:
   (a) the five papers specifically prescribed in the schedule for BScEd Part II
   (b) the Diploma of Teaching (Secondary) of the Auckland College of Education as set out in the Auckland College of Education Calendar.
   (d) Credits obtained from the paper 14.327 (Aspects of Science Education) shall not satisfy the requirement of Regulation 6(a) above.

7. The Board of Studies for Part II of the Degree of Bachelor of Science Education shall comprise: Dean of the Faculty of Education, or nominee; Dean of the Faculty of Science, or nominee; Head of Science in the School of Secondary Teacher Education at the Auckland College of Education.

8. In relation to the taking of any paper, a candidate shall comply
   (i) (before enrolment) with all prerequisite requirements and
   (ii) with all the corequisite requirements, as set out in the BSc Schedule or the BScEd Schedule. However, the Head of Department in the case of the BSc Schedule or the Board of Studies in the case of the BScEd Schedule, may in exceptional circumstances:
      (a) waive any of those requirements;
      (b) waive any prerequisite requirement and impose it as a corequisite.

9. A candidate who has not gained at least 24 credits from Stage I papers in the BSc Schedule may not enrol for any papers above Stage I without the prior permission of the Senate.

Practical Work Requirements

10. In any paper that includes practical work as well as written work:
    (a) a candidate must obtain passes in both in order to pass the paper as a whole;
    (b) a candidate who is awarded a pass in practical work, but who fails the written work may, with the permission of the Head of Department, have the result for the practical work carried forward to a subsequent year.

Course Load Restrictions

11. A candidate may not enrol, in any one year, for papers totalling more than 50 credits.

Credit for Papers in Other Faculties

12. (a) A candidate for Part I of this Degree may obtain up to 12 credits from any other papers or subjects which:
    (i) are taught in any of the Faculties of the University other than the Faculty of Science, and are prescribed for a Bachelor’s degree in any of those other Faculties; and
    (ii) are not the same as, or do not substantially overlap with, any other paper or papers which the candidate wishes to credit to the BScEd degree.
Architecture Property and Planning per credit 1 credit
Arts per paper 5 credits
Commerce per paper 5 credits
Engineering paper 50.002 3 credits
per any other half-year paper (but not 31.114) 4 credits
per full-year paper 6 credits
Fine Arts per paper 5 credits
Law per 23 hours of lectures in any subject 2 credits
Medicine & Human Biology per paper 6 credits
Music per paper 5 credits

Cross-Credits from Other Degree Courses
Note: See Regulation 11 of the Enrolment and Course Regulations (General)

13. Credits obtained under Regulation 12 from papers which are credited also to the course of study for another degree, shall be counted as cross-credits for the purpose of Regulation 11 of the Enrolment and Course Regulations (General).

14. For the purposes of these Regulations the word 'papers' in Regulation 15 of the Enrolment and Course Regulations (General) shall be interpreted as meaning:
(a) papers listed in the BSc Schedule or the BScEd Schedule;
(b) papers equivalent to papers listed in the BSc Schedule or the BScEd Schedule as determined by the Senate;
(c) papers that can be credited towards the BScEd Degree under Regulation 12.

Credit for Other Qualifications
15. A candidate who has gained the New Zealand Certificate of Science or has gained any other recognised technical qualifications of comparable standard, may be credited with such specified papers and/or given such unspecified credits up to a maximum of 36 credits, as the Senate may determine.

Note: A candidate who has successfully completed a course at an Auckland Teachers' College may be granted credit towards this Degree as provided by Regulation 12 of the Enrolment and Course Regulations (General).

Transitional Provisions
16. (a) Except as otherwise provided in this Regulation, the course of study of every candidate shall be governed by these Regulations.
(b) A candidate who gained credit in any unit, course or paper under any of the former Regulations for the BSc Degree, shall be credited with such equivalent papers as may be determined by the Senate.

Exceptions
17. (a) The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.
(b) Every application for approval under this Regulation shall be submitted by the candidate in writing to the Registrar.

Validity
18. (a) These Regulations shall come into force on 1 January 1991.

Schedule
1. This schedule sets out paper numbers, credits, prerequisites, corequisites and restrictions applying to courses of study offered for the Degree of Bachelor of Science Education.
2. The schedule shall be read with the Regulations for the Degree and with the prescriptions set out elsewhere in the Calendar.
3. The heading 'prerequisite' in relation to a paper refers to other papers which must be passed before the candidate may take that paper.
4. The heading 'corequisite' in relation to a paper refers to other papers which must be taken concurrently with that paper or have been passed in a previous year.
5. The heading 'restrictions' in relation to a paper refers to papers which cannot be credited together with that paper.

SCHEDULE

PART I
As in the BSc Schedule.

PART II

<table>
<thead>
<tr>
<th>Paper No</th>
<th>Title of Paper</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.327</td>
<td>Aspects of Science Education</td>
<td>4</td>
<td>BScEd Part I</td>
<td>Diploma in Teaching (ACE)</td>
<td>14.270 prior to 1995</td>
</tr>
<tr>
<td>† 621.220</td>
<td>Science Technology &amp; Industry</td>
<td>4</td>
<td>As for 14.327</td>
<td>As for 14.327</td>
<td></td>
</tr>
<tr>
<td>† 621.300</td>
<td>Current Advances in Science</td>
<td>4</td>
<td>As for 14.327</td>
<td>As for 14.327</td>
<td></td>
</tr>
<tr>
<td>† 634.260</td>
<td>Teaching and Learning in Science &amp; Technology</td>
<td>4</td>
<td>As for 14.327</td>
<td>As for 14.327</td>
<td></td>
</tr>
</tbody>
</table>

Note: * Starred papers will not be taught during the current Calendar year
† Dagged papers will not be taught during the current Calendar year unless sufficient staff are available

THE DEGREE OF BACHELOR OF TECHNOLOGY BTech

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations; for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.
General Provisions

1. Subject to the Admission Regulations and except as otherwise provided in these Regulations, a candidate for the Degree of Bachelor of Technology shall be required to:
   (i) pursue a course of study of not less than four years;
   (ii) pass separately each paper in each part of one of the course options as specified in the Schedule to these Regulations;
2. Subject to Regulations 5 and 6, a candidate for this Degree, who has been credited for another degree or diploma with any paper the same as or similar to that prescribed in the Schedule to these Regulations, shall substitute for each paper so credited such additional paper or papers as the Board of Studies on behalf of the Senate may approve.
3. The course for each option shall consist of four parts as defined in the Schedule to these Regulations. Admission to Part Three of the course of study, after completion of Parts One and Two, shall be at the discretion of the Board of Studies on behalf of the Senate.

Concessions

4. The Senate may exempt from Part One, a candidate who has reached a high standard in the Universities Bursary Examination, in subjects relevant to the programme selected.
5. The Senate may exempt from Parts One and/or Two, a candidate who has already passed the relevant papers specified for Parts 1 and/or 2 (or their equivalents) when enrolled for another degree.
6. A candidate who has gained the New Zealand Certificate of Science or the New Zealand Certificate of Engineering or any other recognised technical qualifications of comparable standard may be credited with such papers as the Board of Studies on behalf of the Senate may determine.
7. Entry into the BTech degree as specified in regulation 5 and 6, will be subject to places being available, and to the attainment of a high standard in previously passed papers.

Examinations

8. A candidate who has failed to pass any paper of one part may, in a subsequent year, be permitted to re-enrol in the failed paper or papers together with such papers of the succeeding part as may be approved by the Board of Studies on behalf of the Senate provided that the prerequisites and corequisites for individual papers are satisfied except as the Head of the Department may otherwise permit.

Honours

9. (a) The Degree of Bachelor of Technology may be awarded with or without Honours. Honours may be awarded to a candidate who has maintained a superior standard of work throughout the course and has completed the requirements for the award of the Degree
   (i) within four years of first enrolment in the Degree
   OR
   (ii) if granted exemptions or credits under Regulations 4 or 5 within the period determined by the Board of Studies on behalf of the Senate at the time of entry to this Degree;
   OR
   (iii) in exceptional circumstances as approved by the Board of Studies on behalf of the Senate within five years of first enrolment in the Degree.
   (b) There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions, First Division and Second Division.

Practical and Laboratory Work Requirements

10. A candidate shall not be admitted to the Degree unless the Registrar has received from the Chairperson of the Board of Studies a certificate that the candidate has complied with the requirements of the Faculties as to Practical Work.

11. In any paper that includes laboratory work as well as written work:
   (a) a candidate must obtain passes in both in order to pass the paper as a whole;
   (b) a candidate who is awarded a pass in laboratory work, but who fails the written work may, with the permission of the Head of Department, have the result for the laboratory work carried forward to a subsequent year.

Elective Papers

12. (a) At least two Elective papers in each programme of study shall be chosen from Faculties other than those of Science, Engineering and Medicine.
   (b) The candidate's choice of elective papers shall be approved by the Board of Studies on behalf of the Senate. Preference will be given to papers in the Humanities and to Language and Management Studies papers.

Personal Course of Study

13. The Senate may, in such cases as it thinks fit, approve a personal course of study which does not conform to the foregoing regulations.

Commencement

14. These Regulations shall come into force on 1 January 1993.

Schedule for BTech (Animal Technology Option)

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Restrictions</th>
<th>Paper Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part One</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>07.100</td>
<td>Principles of Computing (a)</td>
<td>As for BSc</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td>07.111 Introduction to Computing and</td>
<td>As for BSc</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Applications</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31.140</td>
<td>Foundations of Classical Physics</td>
<td>As for BSc</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td>31.124 Physics for the Life Sciences</td>
<td>As for BSc</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>08.111</td>
<td>Organic and Physical Chemistry</td>
<td>As for BSc</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>39.101</td>
<td>Central Concepts of Biology</td>
<td>As for BSc</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>39.104</td>
<td>Biology for Biomedical Science</td>
<td>As for BSc</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>72.101</td>
<td>Organization and Management</td>
<td>72.203</td>
<td>1.0</td>
<td></td>
</tr>
</tbody>
</table>
528.181 Introduction to Probability and Statistics

**Part Two**

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>67.202</td>
<td>Introductory Human Physiology</td>
<td>As for BSc</td>
<td>1.0</td>
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<tr>
<td>67.203</td>
<td>Introductory Experimental Physiology</td>
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<tr>
<td>39.201</td>
<td>Cellular and Molecular Biology</td>
<td>66.201, 66.203</td>
<td>1.0</td>
</tr>
<tr>
<td>39.202</td>
<td>Genetics</td>
<td></td>
<td>1.0</td>
</tr>
<tr>
<td>39.203</td>
<td>Biochemistry</td>
<td>As for BSc</td>
<td>1.0</td>
</tr>
<tr>
<td>68.251</td>
<td>Mechanisms of Disease</td>
<td></td>
<td>1.0</td>
</tr>
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</table>

**Part Three**

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>39.350</td>
<td>Protein Structure and Function</td>
<td></td>
<td>1.0</td>
</tr>
<tr>
<td>39.351</td>
<td>Molecular Genetics and Population Genetics</td>
<td></td>
<td>0.5</td>
</tr>
<tr>
<td>96.303</td>
<td>Principles of Toxicology</td>
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<td>1.0</td>
</tr>
<tr>
<td>67.301</td>
<td>Systematic Physiology</td>
<td></td>
<td>1.0</td>
</tr>
<tr>
<td>47.351</td>
<td>Reproductive Biology</td>
<td></td>
<td>1.0</td>
</tr>
</tbody>
</table>

A further elective paper

**Part Four**

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>93.451</td>
<td>Mammalian Growth and Development</td>
<td></td>
<td>1.0</td>
</tr>
<tr>
<td>32.454</td>
<td>Animal Behaviour, Husbandry and Welfare</td>
<td></td>
<td>1.0</td>
</tr>
<tr>
<td>39.451</td>
<td>Molecular Biotechnology</td>
<td></td>
<td>0.5</td>
</tr>
<tr>
<td>or</td>
<td>98.451 Cellular and Molecular Methods in Biomedical Science</td>
<td></td>
<td>0.5</td>
</tr>
<tr>
<td>701.357</td>
<td>Project in Animal Technology <em>(two paper value)</em></td>
<td></td>
<td>2.0</td>
</tr>
</tbody>
</table>

A further elective paper

**Note:** The BTech (Animal Technology Option) will be introduced for the first time in 1995. Parts Three and Four will be available in subsequent years. Many of these papers, however, are available in 1995 for the BSc degree.

### Schedule for BTech (Biomedical Science Option)

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Title of Paper</th>
<th>Availability</th>
<th>Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Part One</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>07.100</td>
<td>Principles of Computing (a)</td>
<td>As for BSc</td>
<td>1.0</td>
</tr>
<tr>
<td>or</td>
<td>07.111 Introduction to Computing and Applications</td>
<td>As for BSc</td>
<td>1.0</td>
</tr>
<tr>
<td>31.140</td>
<td>Foundations of Classical Physics</td>
<td>As for BSc</td>
<td>1.0</td>
</tr>
<tr>
<td>or</td>
<td>31.124 Physics for the Life Sciences</td>
<td>As for BSc</td>
<td>1.0</td>
</tr>
<tr>
<td>08.111</td>
<td>Organic and Physical Chemistry</td>
<td>As for BSc</td>
<td>1.0</td>
</tr>
<tr>
<td>39.101</td>
<td>Central Concepts of Biology</td>
<td>As for BSc</td>
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</tr>
<tr>
<td>39.104</td>
<td>Biology for Biomedical Science</td>
<td>As for BSc</td>
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<td>72.101</td>
<td>Organization and Management</td>
<td>72.203</td>
<td>1.0</td>
</tr>
<tr>
<td>528.181</td>
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**Part Two**

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**Part Three**

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A further elective paper

**Part Four**

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<td>67.451</td>
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Three papers from the following:

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### Inter-Faculty, Degrees and Diplomas

- **65.451** Advanced Biomedical Imaging * 1.0
- **39.451** Molecular Biotechnology * 0.5
- **98.451** Cellular and Molecular Methods in Biomedical Science * 1.0
- **702.355** Project in Biomedical Science * 2.0

A further paper at 300 or 400 level 1.0
A further elective paper 1.0

*Note: Only Parts One and Two of the BTech (Biomedical Science Option) will be available in 1995. Parts Three and Four will be available in subsequent years. Many of these papers, however, are available in 1995 for the BSc degree.*

### Schedule for BTech (Biotechnology Option)

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*Note: Only Parts One and Two of the BTech (Biotechnology Option) will be available in 1995. Parts Three and Four will be available in subsequent years. Many of these papers, however, are available in 1995 for the BSc degree.*
### Schedule for BTech (Industrial Mathematics Option)

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Note: Students who wish to take T74.300 in Part Four must take T74.200 as a Part Two or Three elective.

Note: (i) Only Parts One and Two of the BTech (Industrial Mathematics) degree will be offered in 1995. Parts Three and four will be available in subsequent years. All papers, however, are available in 1995 for other degrees.

(ii) Part One of this degree has a common content with Part One of the Information Technology degree.

(iii) The course content for advanced years may be modified to reflect the papers taught at Tamaki.

### Schedule for BTech (Information Technology Option)

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<tr>
<td>31.225</td>
<td>Classical and Mathematical Physics</td>
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<tr>
<td>31.245</td>
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<tr>
<td>31.255</td>
<td>Quantum and Statistical Physics</td>
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<td>Digital Logic Laboratory</td>
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<td>Mathematics 5</td>
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<td>26.252B</td>
<td>Mathematics 6</td>
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<td><strong>Part Three</strong></td>
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<tr>
<td>31.345</td>
<td>Analogue and Digital Electronics</td>
<td>As for BSc</td>
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<tr>
<td>31.390</td>
<td>Experimental Physics A</td>
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<td>31.391</td>
<td>Experimental Physics B</td>
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<tr>
<td>53.222</td>
<td>Networks and Signals</td>
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<tr>
<td>26.340</td>
<td>Multivariable Calculus</td>
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<tr>
<td><strong>Part Four</strong></td>
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<tr>
<td>31.426</td>
<td>Optoelectronics and Laser Physics</td>
<td>*</td>
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<tr>
<td>31.427</td>
<td>Optoelectronics and Optical Communications Systems</td>
<td>*</td>
<td></td>
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<tr>
<td>51.222</td>
<td>Electrical Engineering Materials</td>
<td>*</td>
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<tr>
<td>53.352</td>
<td>Communication Systems</td>
<td>*</td>
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<td>702.351</td>
<td>Project in Optoelectronics</td>
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<td><strong>A further elective paper</strong></td>
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Note: 
(i) Only Parts One, Two and Three of the BTech (Optoelectronics) will be available in 1995. Part Four will be available in 1996. The majority of these papers, however, are available in 1995 for other degrees.

(ii) *Starred papers will not be taught during the current Calendar year.
† Daggered papers will not be taught during the current Calendar year unless sufficient staff are available.

### Inter-Faculty, Degrees and Diplomas

- Faculty, Degrees and Diplomas
- Operations Management
- Total Quality Management
- Non-metallic Materials Engineering
- Topics in Materials Chemistry
- Materials IIIB
- Polymer Chemistry
- Total Quality Management
- 528.384, 5528.384
- Project in Materials

A further elective paper.
CONJOINT DEGREES

BCom/BSc

Note: These regulations facilitate the study of the Degrees BCom and BSc in combination; there is no conjoint degree in its own right, but students completing a conjoint programme graduate with the two degrees in which they enrol.

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

1. With the permission of Senate a candidate whose academic record is of a sufficiently high standard may be admitted to a course of study leading to the Degrees of BCom and BSc. Each of the degrees included in the conjoint course will be referred to as a “component” of the conjoint course.

2. Each paper taken for the conjoint course shall be credited to one or other of the two components. Except as otherwise provided by these Regulations, each component shall be governed by its appropriate course regulations.

3. (a) A candidate taking the conjoint course shall obtain the permission of Senate to re-enrol for it in each year after admission to the course.

(b) A candidate taking the conjoint course is normally expected to advance studies in both components of the course in each year of enrolment.

(c) A candidate who has already completed the requirements for one of the component degrees will not be permitted to enrol in the conjoint programme.

4. A candidate completing a course of study which satisfies both components, as defined in the respective degree Regulations, shall be deemed to have completed both components.

5. Papers may not be cross-credited into, from, or between components of the conjoint course.

6. A paper may not be included in one component if it is substantially similar to, or is restricted against, a paper included in the other component.

7. (a) The Senate may, in such exceptional circumstances as it sees fit, approve a personal course of study which does not conform to the foregoing Regulations.

(b) Every application for approval under this Regulation shall be submitted by the candidate in writing to the Registrar.

Honours Degrees

8. In exceptional cases a student enrolled for a conjoint course may be admitted to an Honours programme associated with one of the components. Enrolment in an Honours programme constitutes enrolment in a component for the purposes of Regulation 3(b).

BA/BCom, BCom/BE, BCom/LLB and BCom/LLB(Hons)

Further conjoint programmes are offered in the above combinations. Refer to the Regulations for the Bachelors of Arts, Commerce, Engineering, Law and Law(Honours) for details.

THE DEGREE OF MASTER OF PHILOSOPHY MPhil

Note: A student who has qualified for a Bachelor’s Degree in one Faculty but who wishes to take a Master’s course which is only available in another Faculty may be permitted by Senate to do so for the Degree of Master of Philosophy. Permission will normally be given where the Senate is satisfied that the student holds qualifications at least equivalent to the prerequisites for the Master’s course concerned. In some cases, instead of MPhil, the Master’s Degree of the Faculty will be approved as the course for a student particularly appropriately qualified (e.g. a student qualified in Engineering but with a Bachelor’s Degree in another Faculty may be permitted to take a Master’s course in Engineering for ME instead of MPhil).

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions

1. Subject to the Admission Regulations, a candidate before enrolment for this Degree shall have been:

(a) admitted or qualified for admission to a Bachelor’s Degree of this or any other University; and

(b) have been approved by the Senate as qualified to pursue a course of study for a Master’s Degree in a particular Faculty, but the content of whose first degree is, in the opinion of the Senate, not sufficiently similar to the normal Bachelor’s Degree in that Faculty.

Course Content

2. Every candidate for the Degree of Master of Philosophy shall comply with the Course Regulations for a Master’s Degree prescribed in the Faculty in which the course of study is being pursued.

3. The Degree shall be awarded by the Senate after receipt of a certificate from the Head of the Department in which the course for the degree has been taken, stating that the candidate has completed the prescribed requirements.

Honours

4. (a) There shall be two classes of Honours: First Class Honours and Second Class Honours. Second Class Honours shall be awarded in two divisions, First Division and Second Division.

(b) Honours shall not be awarded if the papers in the first year in which a candidate takes an examination for the Degree are unsatisfactory or if the thesis is unsatisfactory: provided, however, that a candidate whose performance at a written examination has been seriously impaired by illness or injury or exceptional circumstances beyond his or her control (certified under the aegrotat or compassionate pass provisions of the Examination Regulations) may elect, instead of applying for an aegrotat or compassionate pass, to take a subsequent written examination so that he or she shall still be eligible for the award of Honours, subject to the provision of subclause (c) of this Regulation.

(c) A candidate shall be eligible for the award of Honours only if he or she completes the requirements for Honours within three years of first enrolment for this Degree: provided that this period may be extended, in exceptional cases, by the Senate.

5. These Regulations shall come into force on 1 January, 1971.
INTER-FACULTY, DEGREES AND DIPLOMAS

BACHELOR OF MUSIC EDUCATION

14.342 Aspects of Music Education
Prerequisite 28.217
An introduction to philosophical, psychological, sociological and pedagogical issues relevant to New Zealand music today. A review of some recent research studies leading to a personal research project.
Note: The same paper is offered as 28.317.

28.237 Practical Studies in Musicianship 2 A
Prerequisite 632.130 and 632.230
The development of musicianship through tuition in the student’s major performance study. In addition, two minor performance studies in keyboard, recorder or other area (as agreed by the Head of Department).
28.247 Practical Studies in Musicianship 2 B
Prerequisite 632.132 and 632.232
The development of musicianship through performance and study in vocal and instrumental groups e.g. band, choir and cultural groups. Students are required to perform in three different kinds of group and be available for occasional performances during the year.

28.337 Practical Studies in Musicianship 3
Prerequisite 28.237
An introduction to the skills and understandings required for major performance leadership skills including conducting and directing a group, score reading and repertoire, arranging and composing, management and public relations. An introduction to music technology including electronic instruments, computer applications and recording techniques.

28.397 Practical Studies in Musicianship 4
Prerequisite 28.337
More advanced studies in musical leadership as noted in 28.337 and including directing a group for public performance. More advanced studies in music technology as noted in 28.337.

BACHELOR OF SCIENCE EDUCATION

14.327 Aspects of Science Education
An introduction to children’s learning in science, to issues in the philosophy of science relevant to the science curriculum and to a range of other issues in the contemporary international debate concerning science education at primary and secondary level.

14.370 Issues in Science, Technology, Society and Environment Education
This paper examines the complex interactions between science, technology, society and the environment. It provides a critical awareness of some of the major issues confronting human society, and considers ways in which an ecologically-oriented science and technology education can be implemented in primary and secondary schools. Major topics may include: health, land, water and mineral resources; food and agriculture; energy resources and consumption; industry and technology; biotechnology; information technology; ethics and social responsibility in science and technology.

Restriction: This paper is not available to students who completed 14.270 prior to 1995.

1621.220 Science, Technology and Industry
This paper provides an introduction to the use of science and technology in commerce and industry. It involves (i) a study of some of the processes that underpin industrial operations in New Zealand and overseas, and (ii) experience of a range of laboratory skills, instrumentation techniques and computer applications through a laboratory-based component focusing on ‘real life’ problems and simulated industrial processes. Industrial visits and a short period of work experience may be included.

1621.300 Current Advances in Science
This paper provides some understanding and awareness of current priorities and interests in scientific research. In addition to specific topics such as gene technology, the course includes several interdisciplinary modules, such as fractal and chaotic processes, global change, hazards, and modern instrumental techniques. The precise content of the paper will vary from year to year in order to reflect current research developments.

634.260 Teaching and Learning in Science and Technology
This paper involves a study of some of the key concepts and theories in science education, and the teaching and learning issues they raise at primary, secondary and tertiary level. Of particular concern is the relationship between the content and context of learning and the teaching/learning methods employed. The paper provides opportunities for field-based investigations and individual research projects in science and technology education.

BACHELOR OF TECHNOLOGY

These courses are composed of a defined selection of papers drawn from the parent Faculties of Science, Engineering, Medicine and Commerce. The individual programmes are specified in the Schedule, and details of the content of individual papers may be found in the prescriptions for the degrees of BSc, BE, and BCom in the appropriate sections of this Calendar. Each course has a designated course coordinator, whom students are encouraged to contact for any further details.

ANIMAL TECHNOLOGY OPTION

*39.351 Molecular Genetics and Population Genetics
This paper will incorporate modules in Molecular Genetics and Population Genetics from the School of Biological Sciences with contributions to the latter from AgResearch, Ruakura.

*47.351 Reproductive Biology
This new paper will incorporate some aspects of existing graduate courses taught in the School of Medicine with contributions from AgResearch, Ruakura. The paper will cover aspects of reproductive endocrinology including: regulation of gonadal function, the menstrual cycle, ovulation, spermatogenesis, and foeto-maternal physiology including: placental function.

*93.451 Mammalian Growth and Development
This new paper will incorporate some aspects of graduate courses taught in the School of Medicine with contributions from AgResearch, Ruakura. It will cover aspects of the biology of mammalian growth with the special emphasis on the roles of genetic, endocrine and paracrine influences. The paper will concentrate on growth in ruminant species and consider: carcass growth, fibre growth and lactation.

*32.454 Animal Behaviour, Husbandry and Welfare
This new paper will be taught by the Department of Psychology in conjunction with AgResearch, Ruakura. It will cover aspects of animal behaviour and investigate how this relates to appropriate husbandry and animal welfare. The ethics of animal usage in agricultural industry will be considered.

BIOMEDICAL SCIENCE OPTION

68.251 Mechanisms of Disease
Pathogenesis of various types of disease at the molecular, cellular and tissue level. Essential nature, the causes and development of abnormal conditions. A general introduction to: Pathogenesis of cell injury; Reversible and irreversible cell injury; Inflammation; Thrombosis and embolism; Ischaemia and infarction; Immunopathology and Oncology.

*65.451 Advanced Biomedical Imaging
Theory and practice of biomedical imaging with specific emphasis on recent developments in the field. Principles of digital image processing including quantitative morphology, computed tomography and volume analysis. Imaging modalities including light microscopy; electron microscopy; X-ray, ultrasonic and magnetic resonance imaging.

*67.451 Physical Methods in Biomedical Science
Applications of systems analysis: simple linear systems; instrumentation systems. Principles of digital signal processing:
data acquisition, frequency analysis, digital filters. Biostatistics
and Experimental Design.

*98.451 Cellular and Molecular Methods in Biomedical
Science
Theory and practice of biomedical laboratory methods with
specific reference to recent advances in biomedical science.
Methods will include: Immunohistochemistry; Radio-immune
assay; Flow cytometry; In situ hybridization; The polymerase
chain reaction; Gene mapping; DNA sequencing; Gene cloning
and expression; High Performance Liquid Chromatography; Cell
and tissue culture.

BIOTECHNOLOGY OPTION

*39.350 Protein Structure and Function
The biochemistry and molecular biology of proteins with
particular reference to structure and its elucidation using
contemporary methods of protein and glycoprotein sequencing,
x-ray analysis, high-field NMR and other forms of mass
spectroscopy and mass spectrometry. Protein engineering by way
of directed mutagenesis. DNA recognition by proteins with helix-
turn-helix and other motifs. Structural motifs of eukaryotic
transcription factors. Serine proteinases as an example of enzyme
catalysis. Membrane and receptor proteins. Viral proteins.

*39.351 Molecular Genetics
The units of mutation, function and recombination in bacteria, and
bacterial viruses. The transmission and recombination of genetic
material in bacterial viruses, animal viruses, bacteria, diploid
eukaryotic micro-organisms and their applications in the
biotechnology industry. Human molecular and somatic cell
genetics.

*39.352 Microbiology and Immunology
Conventional and molecular approaches to the taxonomy of
microbes. Unique biochemical pathways in microbes, including
the synthesis of secondary metabolites. Microbial environmental
impacts and microbial ecology, particularly in waste water. Water
microbiology and renewable resource technology. The structure
and synthesis of antibodies and the cellular nature of the immune
response. The relationship of the immune response to the activities
and strategies of pathogenic organisms.

*51.353 Introduction to Bioengineering
Introductory biochemical engineering, including fluid statics and
dynamics, diffusion and convective processes, selected aspects of
thermodynamics, kinetics, equilibria, rate equations, reaction
mechanisms and reversible reactions. The study of rate co-
efficients, homogeneous and heterogeneous reactors, heat transfer
oxygen transfer and biochemical reactions as they relate to
microbial fermentations.

*39.451 Molecular Biotechnology
The principles of gene manipulation and expression in prokaryotic
and eukaryotic cells. The commercial exploitation of microbes
including their large-scale cultivation and cell and enzyme
immobilization. The principles and application of mammalian cell
culture, monoclonal antibodies and transgenic animals and plants.
Plant cell, organ and tissue culture. Legal, ethical and social
aspects of biotechnology.

*39.452 Microbial Growth and Physiology
Microbial metabolism and the generation of ATP and the
biodiversity of fermentations. The assimilation of inorganic
carbon, nitrogen and sulphur. Interconnections between catabolic
and biosynthetic pathways. Special pathways for the primary
attack on organic compounds by micro-organisms. The definition,
mathematical nature, expression and efficiency of microbial
growth. Continuous culture of micro-organisms. The effect of the
environment on microbial growth and the optimization of growth
in large-scale fermentations.

51.453 Biochemical Reaction Engineering
Engineering aspects of biochemical reactors, fermenters and film
reactors. Theory and practice in the use of batch and continuous
reactors, reactors in series and parallel. Gas-liquid reactors, fixed
bed reactors and reactor control. Downstream processing
including product yield and purity, scale-up of reactors, control
and optimisation of processors, recycling and effluent treatment. Legal implications of effluent and pollution control.

INDUSTRIAL MATHEMATICS OPTION

T26.207 Algebra and Calculus
Matrix-vector algebra, multivariable calculus, differential
equations and the use of symbolic computing with applications
to Commerce and Industry.

T26.267 Applied and Computational Mathematics
This paper will emphasise the building and solution of models
related to a variety of dynamical systems with examples from
economics, environmental systems and industry. These models are
often in the form of differential or difference equations and the
course will consider methods for their solution using symbolic and
numerical computation packages. The numerical analysis of these
methods will also be discussed.

*T54.292 Engineering Design
The study of the design process including conceptualisation and
analysis. Systems analysis of design concepts applied to the
computer solution of industrial problems including formulation
and preparation of initial specifications, implementation of
algorithms, and presentation and interpretation of results. An
introduction to computer aided design will also be included.

*T26.307 Advanced Algebra and Calculus
The paper will consider aspects of partial differential equations,
Fourier series, complex variables and discrete mathematics.

MATERIALS OPTION

*51.111 Introductory Process Engineering
Flowchart representation of processes, material balance with and
without chemical reaction and recycle. The first and second laws
of thermodynamics as applied to energy balancing in reacting and
non-reacting systems. Energy utilisation in processing, heat
exchangers and elementary heat transfer for efficient utilisation.
Simultaneous material and energy balancing.

*08.315 Surface and Bulk Properties of Materials
Surface chemistry, surface spectroscopy and catalysis. The theory
and experimental techniques of molecular spectroscopy,
including prediction of spectra and laser Raman spectroscopy.
Chemistry of the solid state. Magnetic resonance and solid-state
NMR. Dynamic electrochemistry, fuel cells and corrosion.

*08.325 Inorganic Materials
Inorganic polymers, including silicates and other chain, sheet and
network structures. Organometallic chemistry of transition metals
and main group metals. Aspects of inorganic spectroscopy,
quantum and bioinorganic coordination chemistry.

*08.335 Advanced Organic Chemistry
Heterocyclic and applied and industrial organic chemistry.
Aspects of synthetic organic chemistry, including applications of
organoborane and organosilicon chemistry. Stereochemistry, the
study of reaction mechanisms, radicals, pericyclic reactions,
photochemistry, reactions of carbonyl compounds and bioorganic
chemistry.

*08.365 Analytical Chemistry
General analytical chemistry. Speciation in analytical and
environmental chemistry. Computation in analytical chemistry.
Theory of chromatography. High performance liquid
chromatography. Separation and determination of ionic analytes.
Gas liquid chromatography. Optical and electroanalytical methods.

*08.455 Topics in Material Chemistry
A selection of special topics on the chemistry of materials. A list
of the topics to be covered in the lectures will be available at the
beginning of each year.

*08.480 Polymer Chemistry
Organic unit processes. Synthesis of monomers from natural gas
or petroleum feedstocks. Synthetic methods for polymers.
Copolymerisation: comonomer reactivity ratios, the effects of
monomer reactivity on copolymer composition and sequence
distribution, segmented copolymers. Polymer-based composites
and polymer blends. Characterisation of bulk polymers and
OPTOELECTRONICS OPTION

*31.427 Optoelectronics and Optical Communications

Topics covered include: optical data storage systems, scanners and printers, propagation in optical waveguides, nonlinear effects in optical fibres, amplifiers, semiconductor laser sources, LEDs and the detection of optical radiation, optical communication systems architecture and an introduction to network topology.

* Starred papers will not be taught during the current Calendar year.
† Dagged papers will not be taught during the current Calendar year unless sufficient staff are available.

DIPLOMA COURSE REGULATIONS

Diplomas

The majority of the Regulations for Diplomas are found under individual Faculty headings. In a number of cases, however, the prerequisites may be obtained in another Faculty, and the Diplomas are inter-Faculty qualifications. An example is the Diploma in Labour Studies. Interested students should check the index to the Calendar under Course Prescriptions for Diplomas.

DIPLOMA IN ENVIRONMENTAL MANAGEMENT DipEnvirMgmt

The personal course of study must be approved by the Senate. Approval will normally be granted for courses that are in accordance with the following regulations: for general provisions affecting their course of study, candidates are referred to the Course Regulations (general), and the Examination Regulations. Every intending new candidate must apply to the Registrar for permission to enrol in the course not later than the date prescribed by the Senate for the year in which the applicant proposes to enrol.

General Provisions

1. Subject to the Admission Regulations, a candidate for the Diploma in Environmental Management shall before enrolment for the Diploma:
   (a) have been admitted or qualified for admission to a Bachelor's degree and have had not less than two years of employment experience deemed relevant by the Senate, or
   (b) hold a professional qualification deemed relevant by the Senate in Science, Engineering, Planning or other approved discipline and have had not less than two years of employment experience deemed relevant by the Senate, or
   (c) have not less than five years of work experience deemed relevant by the Senate.

2. Admission to the course shall be at the discretion of the Senate.

3. A candidate for this diploma who has been accredited for another degree or diploma with any paper the same as or similar to that prescribed under Regulation 5 of this diploma shall substitute for each paper or papers so credited such additional papers as the Senate may approve.

Course Requirements

4. A candidate for the Diploma in Environmental Management shall:
   (a) pursue a course of study for not less than twelve and not more than 36 months, and
   (b) pass separately in each of the three Parts listed under Regulation 5, and
   (c) complete research and practical work to the satisfaction of the Senate, and attend laboratories and workshops as required by the Senate.

5. The course of study of this Diploma shall consist of eight papers and a research project equivalent to two papers: five papers in Part 1, three papers in Part 2 and a research project equivalent to two papers in Part 3.

Part 1: Core Papers (Five papers)
722.501 Society and Environment
722.502 Environmental Processes
722.503 Management and Economy
722.504 Environmental Law and Policy
plus any other paper in Part 2 outside chosen specialisation or selected paper from the Diploma in Management.

PART 2: Specialist Option (Three papers)
Three papers from one of the following specialisations:

Conservation Management
722.510 Conservation Biology
722.511 Management of Conservation Areas
722.512 Conservation and Heritage Law
*722.513 Special Topic in Conservation Management

Tourism and Recreation
*722.520 The Tourism Industry
722.521 Tourism, Recreation and the Environment
*722.522 Environmental and Cultural Tourism
*722.523 Special Topic in Tourism and Recreation

Environmental Health and Safety
722.530 Environment and Human Health
722.531 Management of Hazards and Risks
722.532 Human Factors and the Environment
*722.533 Special Topic in Environmental Health or Safety

Waste Management
722.540 Waste Management
722.541 Waste Control Systems
722.542 Waste Management Law
*722.543 Special Topic in Waste Management
Resource Management
722.550 Principles of Resource Management
722.551 Methods in Resource Management
722.552 Applied Resource Management
*722.553 Special Topic in Resource Management

PART 3: Research Project (2 papers)
722.600 Research Project
All candidates are required to research and complete a management project, research essay or comparable document that builds on the knowledge gained from their general and specific papers.

6. In exceptional circumstances the Senate may approve a course of study which does not conform to the foregoing regulations.
7. These regulations come into effect on 1 February 1995.

DIPLOMA IN MATHEMATICS EDUCATION DipMathsEd
The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Information
The Diploma in Mathematics Education (DipMathsEd) is a diploma taught within the Faculties of Education and Science, and in cooperation with the Auckland College of Education.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Diploma in Mathematics Education shall before enrolment for this Diploma:
   (a) have been admitted or have qualified for admission to a Bachelor’s Degree, or hold an equivalent professional qualification in teaching, or have attained a high level of practical experience in the teaching profession;
   (b) be currently teaching or have had three years of teaching experience;
   (c) have attained a level of competence, to the satisfaction of the Board of Studies, sufficient to enable him or her to perform satisfactorily in each paper chosen for this Diploma.

   Note: An interview will normally be required under 1(c).

2. The Board of Studies for the Diploma in Mathematics Education shall comprise: Dean of Science, or nominee; Dean of Education, or nominee; Head of Department of Education, or nominee; Head of Department of Mathematics, or nominee; two representatives from the Auckland College of Education. In the first instance, candidates should apply to the Head of the Department of Education.

3. A candidate shall be required to pursue a coherent course of study consisting of two parts. Each part must be passed separately before a candidate qualifies for admission to this Diploma.

Part I: Five papers selected with the approval of the Board of Studies from the following groups (a), (b) and (c). At least one paper must be chosen from each group:

(a) Papers taught by the Auckland College of Education.
   †625.501 Mathematics in early childhood (ages 0 to 5)
   625.502 Mathematics in the first three years of school (ages 5 to 8)
   †625.503 Mathematics in Standard 2 to Form 1 (ages 8 to 11)
   625.504 Mathematics in Form 1 to Form 4 (ages 11 to 14)
   †625.505 Mathematics in Form 4 to Form 6 (ages 14 to 16)
   †625.506 Mathematics in Form 7 and Tertiary Education
   625.507 Investigative methods of teaching
   †625.508 Bilingual Mathematics

(b) Papers taught by the Department of Mathematics of The University of Auckland.
   Any papers approved by the Head of the Department of Mathematics, listed in the BSc Schedule, or the Schedule for MSc in Mathematics. The weighting for each such paper is:
   Six credits at Stage I are equivalent to one paper.
   Four credits at any other Stage are equivalent to one paper.
   In addition, the following papers are available for the Diploma:
   †26.512 Independent learning course in Mathematics
   †26.522 School pupil projects in Mathematics
   †26.532 Mathematics for problem solving in Primary School Mathematics
   †26.533 Mathematics for problem solving in Secondary School Mathematics

(c) Papers taught by the Department of Education of the University of Auckland.
   Any paper, approved by the Head of the Department of Education, listed in the BA Schedule. In addition, the following half-papers are available:
   14.510 History of Mathematics (half paper)
   14.511 Philosophy of Mathematics (half paper)
   †14.514 Cultural Context of Mathematics Education (half paper) (2nd half year)
   †14.515 Assessment and evaluation in Mathematics (half paper)
   †14.516 Mathematics in the curriculum (half paper)
   †14.517 Children’s development of Mathematical Concepts (half paper) (1st half year)

Part II: 14.520 Investigation in Mathematics Education (two papers).
   (i) The investigation shall relate directly to some aspect of the practice of Mathematics Education from a topic developed from papers taken in Part I.
   (ii) The topic must be approved by the Board of Studies through the Head of the Department of Education.
   (iii) Must be supervised by a course lecturer approved by the Head of the Department of Education.
   (iv) The written project resulting from the investigation will be submitted within one year of its commencement provided that, in exceptional circumstances, this period may be extended on the recommendation of the Board of Studies.
4. A candidate must pass at least four papers from Part I before commencing Part II. Part I may be undertaken either full-time in one year, or part-time for such period as the Senate may permit on the recommendation of the Board of Studies. The project will normally be submitted within one year of its commencement, although in exceptional circumstances, projects lasting over more than one year may be approved.

5. No candidate shall be credited for this Diploma with any paper the same as or substantially similar to a paper already passed for any other University degree or diploma.

6. Notwithstanding the provision of Enrollment and Course (General) Regulation 15, a candidate shall be permitted to credit to this diploma no more than the equivalent of one Part I(a) paper which has been taken as part of the School of Advanced Studies of Teachers – Higher Diplomas of Teaching at the Auckland College of Education.

7. A candidate who has been enrolled for the Diploma of Mathematical Education under the Regulations holding in 1988 may complete that Diploma, up to 31 January 1992, under those Regulations or with such substitutions as the Senate may permit on the recommendation of the Board of Studies.

8. These Regulations shall come into force on 1 January 1989.

Note: Where necessary, candidates may be directed to undertake appropriate preparation in research methodology.

DIPLOMA IN PERFORMING ARTS DipPerformArts

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Provisions
1. Subject to the Admission Regulations, a candidate for this Diploma in Performing Arts shall before his or her enrolment for this Diploma:
   (a) have been admitted or qualified for admission to the Degree of Bachelor of Arts, or
   (b) have been admitted or qualified for admission to some other University degree approved for this purpose by the Senate, or
   (c) hold or have qualified for an award or qualification in an appropriate area of the performing arts approved for this purpose by the Senate and, in any case, hold a professional qualification in teaching, approved by the Senate, or
   (d) have attained to the satisfaction of the Senate a high level of practical experience in the teaching profession, or
   (e) have had three years' teaching experience, or
   (f) have had three years' teaching experience, or
   (g) have had three years' teaching experience, or
   (h) have had three years' teaching experience, or

2. A candidate for this diploma shall follow a course of study (576.500) for a period of one year, but in exceptional circumstances this period may be extended by the Senate.

3. The programme shall consist of such written and practical work as may be prescribed in the candidate's area of performance, in the history and practice of performing arts and in disciplines associated with performance.

4. A candidate shall throughout his or her enrolment for this Diploma carry out such practical work, participate in such approved performance work and satisfactorily complete such written assignments and examinations as the Senate, on the recommendation of the lecturer in charge of the programme, shall require.

5. These Regulations shall come into force on 1 January 1992.

DIPLOMA IN SCIENCE EDUCATION DipSciEd

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

General Information
The Diploma in Science Education (DipSciEd) is a diploma taught within the Faculties of Education and Science, and in cooperation with the Auckland College of Education.

General Provisions
1. Subject to the Admission Regulations, a candidate for the Diploma in Science Education shall before enrolment for this Diploma:
   (a) have been admitted or have qualified for admission to a Bachelor’s Degree, and be currently teaching or have had three years’ teaching experience, or
   (b) hold a professional qualification in teaching, approved by the Senate, or
   (c) have attained to the satisfaction of the Senate a high level of practical experience in the teaching profession; and, in any case, hold a professional qualification in teaching, approved by the Senate, or
   (d) have attained to the satisfaction of the Senate a high level of practical experience in the teaching profession; and, in any case, hold a professional qualification in teaching, approved by the Senate, or
   (e) have attained to the satisfaction of the Senate a high level of practical experience in the teaching profession; and, in any case, hold a professional qualification in teaching, approved by the Senate, or
   (f) have attained to the satisfaction of the Senate a high level of practical experience in the teaching profession; and, in any case, hold a professional qualification in teaching, approved by the Senate, or

2. The Board of Studies for the Diploma of Science Education shall comprise: Dean of Science, or nominee; Dean of Education, or nominee; Professor of Science Education, or nominee; one representative from the Faculty of Science; two representatives from the Auckland College of Education. In the first instance, candidates should apply to the Head of the Department of Education.

3. A candidate shall be required to pursue a coherent course of study consisting of two parts. Papers for Part I are divided into three groups, and candidates will take one to three papers from each group. Each part as a whole must be passed separately before a candidate qualifies for admission to this Diploma.

Part I: Five papers selected with the approval of the Board of Studies from the following groups (a), (b), (c). At least one paper must be chosen from each group:
   (a) Papers taught by the Auckland College of Education.
      634.260 Teaching and Learning in Science and Technology
      634.501 Modern Trends in Science Teaching
      634.502 Teaching Science using the Environment
      634.503 New Strategies in Teaching Science
      634.504 Teaching Strategies in Biotechnology Forms 1-5
   (b) Papers taught by the Faculty of Science of the University of Auckland.
      08.111 Organic and Physical Chemistry
      08.121 Inorganic and Physical Chemistry
   (c) Papers taught by the Faculty of Education of the University of Auckland.
      483.100 Teaching Strategies in Science
      483.101 Teaching Science using the Environment
      483.102 New Strategies in Teaching Science
      483.103 Teaching Strategies in Biotechnology Forms 1-5

Note: An interview will normally be required under 1(c).

Note: * Starred papers will not be taught during the current Calendar year.
† Daggered papers will not be taught during the current Calendar year unless sufficient staff are available.
T08.170 Chemistry and Our World
T21.108 Earth Processes & Materials
21.110 Planet Earth
21.111 Introduction to General and Environmental Geology
31.101 The Physical Universe
31.102 The World of Physics
T31.122 Physics of the Environment
39.101 Central Concepts of Biology
39.103 New Zealand Biology
T39.103 New Zealand Biology

Other papers of equivalent weighting chosen from the BSc schedule with the approval of the Board of Studies and the relevant Head(s) of Department(s).

(c) Papers taught by the Department of Education of The University of Auckland.
14.327 Aspects of Science Education
14.370 Issues in Science, Technology, Society and Environment Education
14.421 Perspectives on Science Education
T14.458 History, Philosophy and Science Teaching
T14.551 Assessment and Evaluation in Science Education

Restriction: This paper is not available to students who have completed 14.465 under the Master of Education regulations

Part II: 14.575 Investigation in Science Education (two papers)
(i) The investigation shall relate directly to some aspect of the practice of Science Education.
(ii) The topic must be approved by the Board of Studies.
(iii) The investigation must be supervised by a member of the academic staff of the University or the Auckland College of Education approved by the Board of Studies.
(iv) The written project resulting from the investigation will be submitted within one year of its commencement provided that, in exceptional circumstance, this period may be extended on the recommendation of the Board of Studies.

4. A candidate must pass at least four papers from Part I before commencing Part II. Part I may be undertaken either full-time in one year, or part-time for such a period as the Senate may permit. The project will normally be submitted within one year of its commencement, although in exceptional circumstances, projects lasting over more than one year may be approved.

5. No candidate shall be credited for this Diploma with any paper the same as or substantially similar to a paper already passed for any other University degree or diploma.

6. Notwithstanding the provision of Enrolment and Course (General) Regulation 15 a candidate shall be permitted to credit to this diploma no more than the equivalent of one Part I(a) paper which has been taken as part of the School of Advanced Studies for Teachers – Higher Diplomas of Teaching at the Auckland College of Education.

7. The Senate may, in such exceptional cases as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.

8. These Regulations shall come into force on 1 January 1992.

DIPLOMA COURSE PRESCRIPTIONS

DIPLOMA IN ENVIRONMENTAL MANAGEMENT

This Diploma is taught in a modular format of three consecutive days at four to five week intervals throughout the year. The modular format probably includes one day over the week end to reduce intrusion into work schedules of professionals. Please contact the course Director for full details and application form. Class size limited to 40 but more than one intake per year is planned.

722.501 Society and Environment
The evolution of society-environment relations with an emphasis on the contemporary New Zealand community, cultural, business and institutional attitudes to the environment, including health and safety. This will include ethics, environmental perceptions and attitudes, historical changes, economy and culture.

722.502 Environmental Processes
The physical and ecological perspectives on the environment: erosion, soil, water, demography, conservation genetics, population processes, climate etc. Natural processes, and the effects of perturbations at macro and micro scales and as global and local issues but with special emphasis on the New Zealand environment.

722.503 Management and Economy
The theory and practice of management and economics. Contemporary approaches to environmental management including the use of (so called) economic instruments. The issues to be covered will also include macro-economic indicators, decision analysis, project management, and managerial responses to environmental management.

722.504 Environmental Law and Policy
Contemporary New Zealand and international law and associated policy, issues covered will include the role of the state, regional and local government, policy development, implementation and constraint; the Resource Management Act (1991), health and other environmental laws plus international conventions.

Conservation Management Option

722.510 Conservation Biology
The biological basis of management techniques for threatened species, illustrated by New Zealand examples. Translocation, pest eradication, supplementary feeding, cross-fostering and captive raising. The genetics of small populations and the process and application of population viability analysis. Ranking of priorities for management action and the procedure of recovery planning. Conservation of ecosystems and ecological processes. The theory of reserve design.

722.511 Management of Conservation Areas
722.512 Conservation and Heritage Law

The law relating to the preservation and protection of natural and historic resources, i.e. National Parks, reserves, wildlife, flora, historic sites, cultural and natural heritage. Legislation to be covered includes (inter alia) the Wildlife Act (1953), the Marine Mammals Protection Act (1978), the Conservation Act (1987), and the Resource Management Act (1991) as well as international conservation conventions and treaties such as CITES and the Biodiversity Convention.

*722.513 Special Topic in Conservation Management

An in-depth study of a selected topic in Conservation Management.

Tourism and Recreation Option

†722.520 Tourism Industry

Definitions of tourism and models of tourism; motivations and behaviour of tourists; organisation of the tourism industry in New Zealand, Australia and the South Pacific.

†722.521 Tourism, Recreation and the Environment

Environmental factors important to tourism development; interactions between tourism, recreation and the environment; tourism and recreation management; evaluating tourism and recreation resources; assessing environmental and social impacts; the role of government agencies in the development and planning of tourism.

†722.522 Environmental and Cultural Tourism

The definition and study of environmental and cultural tourism, with an emphasis on New Zealand and the South Pacific; definitions of ecotourism and adventure tourism, assessment of ecotourism resources, management of ecotourism and adventure tourism; a case study approach, based on New Zealand ecotourism operations.

*722.523 Special Topic in Tourism and Recreation

An in-depth study of a selected topic in Tourism and Recreation.

Environmental Health and Safety Option

722.530 Environment and Human Health

This module will review the theory and methods of human risk assessment (which generally comprise hazard identification, risk characterisation, exposure measurement and risk estimation), their advantages, disadvantages and limitations. Common and topical environmental hazards will be used to exemplify theoretical and methodological issues. Risk communication will be covered and the importance of cultural differences and other factors in risk perception will be highlighted.

722.531 The Management of Hazard and Risk

An introduction to approaches for the control of hazards and the management of health and safety risks, including the legislative basis for these, will be introduced. Case material will be used to illustrate key points and highlight some of the tensions inherent in these processes. This material will cover ubiquitous hazards and risks as well as those more specifically related to the workplace and the management of injury and illness.

722.532 Human Factors and the Environment

This module will focus on the way in which human beings interact with products, equipment, facilities, procedures and environments used in work and everyday living. The module will also examine how the study of human factors seeks to change the equipment and processes people use, and the environments in which they operate in order to achieve maximum capability.

*722.533 Special Topic in Environmental Health and Safety

An in-depth study of a selected topic in Environmental Health and Safety.

Waste Management Option

722.540 Waste Management


722.541 Waste Control Systems

Community and industrial waste water collection, treatment, reuse and disposal. Solid and hazardous residues management, recovery recycling and disposal. A case study in urban waste management.

722.542 Waste Management Law

Legislative framework for the management of waste including responsibilities of local authorities and other organisations. The concept of waste management law involves the operation of waste disposal and recycling facilities as well as the application of the waste minimisation principle and the cradle-to-grave principle.

*722.543 Special Topic in Waste Management

An in-depth study of a selected topic in Waste Management.

Resource Management Option

722.550 Principles of Resource Management

Major theoretical and applied issues relating to the management of natural resources. Environmental perception and behaviour, property rights, involvement of the state, market mechanisms and regulation, public participation, resource classification and assessment. Background, scope and application of the Resource Management Act (1991). Particular consideration is given to the statutory objectives, regional and district content, and to resource consent procedures. Land use regulation, planning structures and the international dimension of resource management law.

722.551 Methods in Resource Management

Review and evaluation of the main methods and techniques used to assist decision making in respect of resource allocation and use. A foundation is established in issues of methodology, followed by an examination of methods selected from cost-benefit analysis, resource accounting, plan evaluation techniques, environmental impact assessment techniques, environmental auditing, land evaluation methods, and the use of negotiation and bargaining.

722.552 Topics in Applied Resource Management

A case study approach is used to illustrate the different perspectives on resource management problems, the legal frameworks, the institutional factors influencing decisions, and the use of appropriate methods and approaches to help resolve decisions. Case studies will be selected to represent both local scale resource management problems and those at a broader scale (e.g., national, international).

*722.553 Special Topic in Resource Management

In-depth study of a selected topic in resource management.

DIPLOMA IN MATHEMATICS EDUCATION

(a) Papers taught by the Auckland College of Education

The prerequisite for any paper in this schedule is that the candidate can demonstrate mastery of the mathematical content at the relevant level.

625.501 Mathematics in Early Childhood (Ages 0 to 5)

625.502 Mathematics in the First Three Years of School (Ages 5 to 8)

625.503 Mathematics in Standard 2 to Form 1 (Ages 8 to 11)

625.504 Mathematics in Form 1 to Form 4 (Ages 11 to 14)

625.505 Mathematics in Form 4 to Form 6 (Ages 14 to 16)

625.506 Mathematics in Form 7 and Tertiary Education

625.507 Investigative Methods of Teaching

625.508 Bilingual Mathematics

These are classroom-oriented papers. All papers incorporate examination of the syllabus, including the rationale and relevance of the content, critical inspection of teaching materials, issues in Mathematics Education such as equity, diagnostic and interactive teaching, use of technology in Mathematics Education, testing and evaluation in the classroom, children with special needs, emphasis on practical classroom tasks and reflective behaviour.

(b) Papers taught by the Department of Mathematics of the University of Auckland

The papers chosen from the BSc Schedule will normally be in the subjects Pure Mathematics, Applied Mathematics or Computer Science.

*626.512 Independent Learning Course in Mathematics

Students who need to increase their mathematical skills will be required to take this paper.
634.502 Teaching Science Using the Environment

The course content lays emphasis on planning and safety aspects of field trips, particularly for bush and stream studies. Some simple astronomy and a general study of the geology of Auckland is included.
# Inter-Faculty Studies

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INTER-FACULTY STUDIES

Operations Research

Operations Research (also known as Management Science) can be defined briefly as the application of scientific methods to management decision problems in business, industry, and government. It is widely used in areas such as optimal scheduling, inventory control, simulation studies, decision analysis and many similar applications, both on a short-term basis and to assist in long-range planning. Training for Operations Research is frequently inter-disciplinary and in the University there are several paths along which Operations Research may be approached. These include a conjoint BCom/BSc in Operations Research and Statistics, a conjoint BCom/BE in Operations Research and Engineering Science, a BCom in Operations Research, a BSc in Statistics, or a BE in Engineering Science, as well as study at graduate level. The particular programmes are described here, and further reference should be made to relevant prescriptions in the Faculties of Commerce, Engineering and Science.

1. In the Faculty of Science, the Department of Statistics offers courses which contain topics dealing with the theory and methodology of basic stochastic and deterministic techniques in Operations Research. In particular the following papers are offered for the BSc and BSc(Hons) Degrees:
   - 528.293 Introduction to Operations Research
   - 528.380 Applied Probability
   - 528.382 Design of Surveys and Experiments

2. In the Faculty of Commerce students wishing to specialise in Operations Research for the BCom or BCom(Hons) Degrees should consider the following papers offered by the Department of Management Science and Information System:
   - 74.301 Project in Operations Management
   - 74.392 Optimisation in Management Science
   - 74.396 Stochastic Methods in Management Science

3. In the Faculty of Engineering, students may specialise in Operations Research within the professional Degree of BE by taking the Engineering Science option, which includes:
   - 54.251 Operations Research I
   - 54.252 Queueing and Inventory Theory
   - 54.291 Engineering Science Design
   together with related papers in Accounting, Computer Science, Economics, Engineering, Management Science and Information Systems, Marketing and International Business, Mathematics and Statistics.

CERTIFICATE COURSE REGULATIONS

CERTIFICATE OF PROFICIENCY COP

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their course of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

1. In these Regulations a "pass" means a pass in any paper or subject or in any examinable part of a subject. "Certificate of Proficiency" means a certificate issued by the University as to a pass otherwise than for a degree or diploma.
2. With the permission of the Senate a matriculated student may be enrolled under the Enrolment and Course Regulations (General) for the purpose of obtaining a Certificate of Proficiency.
3. To obtain a Certificate of Proficiency a student who is enrolled under Regulation 2 must comply with the provisions of the Examination Regulations and pass the appropriate examinations.
4. Where a candidate has sat a paper for Certificate of Proficiency that paper may not be credited towards or repeated for a Master's Degree without having to make a formal application for Admission Ad Eundem Statum.
5. A candidate who (having completed a course of study) has been admitted to a degree, may, subject to the approval of the Senate, enrol for a further course of study prescribed for that degree; and on completing it shall be entitled to a Certificate of Proficiency.
6. A candidate who (a) has obtained a pass in any subject at Master's level for a Certificate of Proficiency and (b) would have been eligible for Honours if that subject had been presented under the appropriate Master's Degree Regulations, may be awarded a Certificate of Proficiency with Honours of the appropriate class provided in those Regulations.
7. A candidate who (having completed a course of study) has been admitted to a degree, may, subject to the approval of the Senate, enrol for a further course of study prescribed for that degree; and on completing it shall be entitled to a Certificate of Proficiency.
UNITECH CERTIFICATE UnitechCert

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

The aim of the Unitech Certificate is to permit students to engage in a course of study in both The University of Auckland and a participating polytechnic. The Unitech Certificate is administered by a Board of Studies which acts on behalf of, under delegated powers from, the Councils of each of the participating institutions.

General Provisions

1. A candidate for the Unitech Certificate shall be enrolled in a course of study approved by the Board of Studies.
2. The course of study shall comprise three equal parts:
   (a) one part shall consist of two undergraduate papers, which will normally be at Stage I level, of The University of Auckland;
   (b) a second part shall consist of a course of study offered by the participating polytechnic, and which will normally require attendance and assessed work totalling approximately 300 hours;
   (c) a third part may be completed in one of the following ways:
      (i) Two university papers, or approximately 300 hours of study in courses of one of the contributing polytechnics, or by one university paper and approximately 150 hours of study in a course of one of the contributing polytechnics;
      (ii) appropriate work of a practical nature which is related to an area of study already undertaken and which is equivalent to 300 hours of study at a tertiary education institution;
      (iii) (a) credit of appropriate course or practical work which has already been completed and certified by a recognised training or educational institution or organisation, such credit to count for one-sixth of the Certificate requirements; and
      (b) undertaking an approved project relevant to the courses taken and the personal area of interest of the candidate, the result of the project to be presented in an appropriate form and to count for one-sixth of the Certificate requirements.
3. Not more than one-third of the total of the course may be derived from credit from non-participating institutions. In assessing whether credit may be granted towards the Certificate for work completed in non-participating institutions, the following principles apply:
   (a) the work to be credited shall be appropriate in subject matter and standard;
   (b) the work has required a similar period of study to that which would be needed for a similar body of work carried out in the participating institutions (for this purpose it will be generally assumed that 150 hours of study equates to two years of appropriate practical experience);
   (c) once credit towards the Certificate has been granted for work which has already been recognised as part of the requirement for any earlier qualification, it cannot be further cross-credited to another higher qualification (e.g. a degree) unless the Certificate is surrendered.
4. A candidate who has successfully completed the Certificate may apply to the Registrar of The University of Auckland, or to the Chief Executive Officer of any of the contributing polytechnics, to credit Certificate courses towards a higher qualification of that institution. Credit which may be awarded for transfer to a higher qualification shall be decided by the appropriate authority of the institution to which application is made.
   The application must be accompanied by the prescribed fee. The credited courses shall comply with the regulations for the higher qualification. A maximum of one-third of the work completed for the Certificate may be credited in this way. A candidate who wishes to credit more than one-third of the work completed for the Certificate will be required to surrender that Certificate before the award of credit will be confirmed.
5. These Regulations shall come into force on 1 January 1993.

TRANSITIONAL CERTIFICATE TransCert

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

1. Subject to the Admission Regulations a candidate for a Transitional Certificate shall (a) have qualified for admission to a degree in this University and (b) with the approval of the Senate be enrolled in a course prescribed for a Transitional Certificate and (c) follow a course of study of not less than one year and pass the prescribed examinations and (d) comply with such of the prerequisites for that course as shall be specified in each case by the Senate.
2. The completion of the prerequisites for a Transitional Certificate shall have the effect of meeting whichever of MA Regulation 1, MSc Regulation 1, MCom Regulation 1, MBA Regulation 1, LLM Regulation 1, MLJur Regulation 1, MArch Regulation 1, MBldgSc Regulation 1, MProp Regulation 1, MPlan Regulation 1, ME Regulation 1, MFA Regulation 1 or MPhil Regulation 1, the Senate shall determine is appropriate, and shall have no other purposes or effect whatever.
3. To be eligible for the award of a Transitional Certificate a candidate shall be required to enrol for the degree to which it leads.
4. The subjects for examination shall be those prescribed for BA, BSc, BCom, LLB, BMus, BArch, BProp, BPlan, BE, BFA degrees.

INTERMEDIATE COURSES FOR DEGREES OR DIPLOMAS FOR OTHER NZ UNIVERSITIES

Intermediate courses may be taken at the University of Auckland for a number of degrees and diplomas offered by other New Zealand Universities. Proposed courses should be checked with the University concerned before any enrolment for that University is made at the University of Auckland.

A student wishing to enrol at Auckland for an Intermediate course for a degree or diploma at another University is required to include on the enrolment forms the course of study and the University for which it is being taken as an Intermediate e.g. 'Forestry Intermediate for Canterbury.'

A student who decides to remain at Auckland after having passed Intermediate papers for another University's course may apply to have those papers credited to an Auckland course by completing the appropriate form (Abandonment) and paying the prescribed fee of $12.00.
# Doctor of Philosophy and Higher Degrees

## Degree Course Regulations

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## Higher Degree Regulations

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DOCTOR OF PHILOSOPHY AND HIGHER DEGREES

The University offers higher doctorates in Literature, Science, Laws, and Engineering. As at other universities, these are primarily designed for graduates of the University who have subsequently published original work that has over a period given them authoritative international standing in their field. The higher doctorate is thus to be seen as a recognition of real distinction in one of these areas of study. It will be awarded rarely and after rigorous examination of a substantial and significant corpus of material.

Candidates intending to submit for examination are advised to obtain the notes Guidance for Candidates from the Registrar, The University of Auckland, before submitting.

DEGREE COURSE REGULATIONS

THE DEGREE OF DOCTOR OF PHILOSOPHY PhD

The personal course of study of every candidate must be approved by the Senate. Approval will normally be granted for courses which are in accordance with the following Regulations: for general provisions affecting their courses of study students are referred to the Enrolment and Course Regulations (General), and the Examination Regulations.

1. The PhD degree comprises a course of advanced study and research, the results of which are presented in a thesis. The thesis is a formal and systematic exposition of a coherent piece of research work carried out over the period of registration. It shall be an original contribution to the field of study and is required to meet internationally recognised standards for such work. Every candidate for the Degree of Doctor of Philosophy shall apply to the Head of Department for registration as such, showing:
   (a) that he or she has the requisite preliminary qualification set out in Regulation 2 hereof; and
   (b) that he or she has adequate training and ability to pursue a course of advanced study and research.

2. The preliminary qualification shall be:
   (a) qualification for admission to a Bachelor's Degree with Honours, or a Bachelor's (Honours) Degree, or a Master's Degree with Honours of this University, or
   (b) qualification for admission to a Master's Degree First Class or Second Class, or
   (c) qualification for admission to the Degree of Bachelor of Medicine and Bachelor of Surgery together with evidence that the candidate has carried out research which, in the opinion of the Senate, is satisfactory evidence of the candidate's ability to pursue a course of advanced study and research for this Degree;
   (d) qualification for admission to the Degree of Bachelor of Human Biology, a pass in Part I of the Degree of Bachelor of Medicine and Bachelor of Surgery and a pass with a minimum of a B+ average in two Medicine Masters papers, together with evidence that the candidate has carried out research which, in the opinion of the Senate, is satisfactory evidence of the candidate's ability to pursue a course of advanced study and research for this Degree;
   (e) in the case of a graduate of another University, admission to the course under the provisions of the Admission Regulations, or
   (f) any other qualifications approved by the Senate in the particular case of any candidate.

3. (a) The Senate (Deans Committee) having received a recommendation from the Head of the Department concerned (or in Commerce, Engineering and Medicine and Human Biology, from the Dean concerned) shall determine if the candidate may be registered and the date and conditions of that registration.

   (b) The recommendation for registration shall include: (i) the field of study (ii) the date of registration (iii) the name of a supervisor or supervisors from members of the academic staff (iv) satisfactory evidence of the candidate's training and ability to pursue the proposed course of study (v) a statement of any language or other requirement which the candidate must satisfy as part of the course of study (vi) where submitted by the Dean of Engineering, a description of the papers required in terms of clause 8(a) of these Regulations.

   (c) An application for registration from a qualified candidate may be declined by the Senate, acting upon the recommendation of the Head of Department, if appropriate supervision and resources are not available.

4. A candidate for a Master's Degree may, after the completion of at least one year's work for that Degree at a standard considered satisfactory by the Senate, be registered as a candidate for the Degree of Doctor of Philosophy. Any such candidate so registered may be allowed credit for the work for the Master's course if that work can form part of the doctoral thesis. The date of registration shall not be earlier than the end of the academic year in which he or she completed papers for a Master's or Bachelor's Degree with Honours.

5. (a) After being registered as a candidate for the Degree of Doctor of Philosophy the candidate shall pursue a course of advanced study and research at the University to the satisfaction of the Head of the Department and the Supervisor for a period of at least two calendar years from the date of registration, during which he or she shall work at the advanced study and research full-time under the supervision of a teacher in the University; provided that:

   (i) laboratory work may be carried out in an approved institution outside the University for such limited period or periods as may be determined from time to time by the Senate;
   (ii) field work may be carried out at such places and for such periods as the Senate may determine;
   (iii) research requiring the use at first hand of documents or books not available within the University may be undertaken in an approved institution outside the University, for such period or periods and on such conditions as may be determined from time to time by the Senate;
   (iv) when a candidate has completed the initial period of two years full-time study and research he or she may apply to the Senate for permission to continue as a part-time candidate. Any such application must be supported by the Supervisor and the Head of the Department.

   (b) For the purpose of this Regulation a candidate shall be deemed to work full-time if he or she has no occupation other than his or her study or research; provided that he or she may:

   (i) with the approval of the Supervisor and the Head of Department be employed in academic work other than his/her study or research for up to 270 hours per Calendar year;
   (ii) take such statutory, recreational and other holidays as are normally incidental to full-time occupation.
6. (a) Notwithstanding anything in Regulation 5, a part-time member of the academic staff:
   (i) engaged for not more than 400 hours of assigned duties over the Calendar year, and
   (ii) with no other occupation may register as a candidate for the Degree of Doctor of Philosophy. After being so registered he or she shall pursue a course of advanced study and research at the University over a period which shall, except in special circumstances to be determined by the Senate, be of at least three calendar years from the date of registration, to the satisfaction of the Head of Department and the Supervisor.
   (b) Notwithstanding anything in Regulation 5, a full-time member of the academic staff, other than a Head of the Department, may register as a candidate for the Degree of Doctor of Philosophy. After being so registered he or she shall pursue a course of advanced study and research at the University over a period which shall, except in special circumstances to be determined by the Senate, be of at least four calendar years from the date of registration, to the satisfaction of the Head of his or her Department and the Supervisor.
   (c) Notwithstanding anything in Regulation 5, a full-time member of the teaching staff of a Teachers’ College in the Auckland area or a Technical Institute in the Auckland area or member of the staff of a recognised Research Organisation may apply for registration for the Degree of Doctor of Philosophy and shall submit with such application a statement from the Principal of the College or Institute or Head of Research Organisation that the candidate’s College or Institute or Research Organisation work is such as to allow him or her to pursue a course at the University for the Degree of Doctor of Philosophy. After being registered the candidate shall pursue to the satisfaction of the Head of his or her Department and the Supervisor, a course of advanced study and research at the University over a period of at least four calendar years from the date of registration.
   (d) Notwithstanding anything in Regulation 5, a candidate who, by reason of occupation or other responsibilities, is unable to enrol full-time, and to whom paragraphs (a), (b) and (c) of this Regulation do not apply, may register for a PhD, provided that Senate (Deans Committee) is satisfied, on the evidence of the supervisor and Head of Department, that the candidate would be able to attempt at least the equivalent of two years full-time study within an initial period of four years enrolment.
7. The supervisor shall submit to the Senate, through the Head of the Department, a brief report on the progress of the candidate at the end of each year, provided that in the case of a candidate who is a member of the teaching staff of a Teachers’ College or Technical Institute or member of the staff of a recognised Research Organisation the supervisor shall submit a report at the end of each six months. A candidate’s registration may be terminated by the Senate if an unfavourable report is received.
8. (a) A candidate for the Degree of Doctor of Philosophy in Engineering shall take three papers prescribed for the Degree of Master of Engineering or papers deemed by the Deans Committee to be equivalent provided that the Senate on the recommendation of the Deans Committee may waive or modify this requirement.
   (b) A candidate shall not be eligible to enrol for any other course while registered for the Degree of Doctor of Philosophy unless he or she obtains the prior permission of the Senate.
9. A candidate for the Degree of Doctor of Philosophy in Commerce may be required to take three papers prescribed for the Degree of Master of Commerce or papers deemed by the Dean to be equivalent provided that the Senate on recommendation of the Dean may waive or modify this requirement.
10. (a) A candidate who has fulfilled the conditions required by these Regulations may apply at any time within six years from the date of registration to the Registrar to be examined provided that a full-time member of the academic staff, or a member of the teaching staff of a Teachers’ College or Technical Institute or member of the staff of a recognised Research Organisation, or any candidate registered in accordance with Regulation 6(d) above, may apply at any time within eight years and this period may in special circumstances be extended by the Senate for a full-time member of the academic staff who has not while registered for the Degree been a full-time research student.
   (b) A candidate shall submit to the Registrar three bound copies of a thesis embodying the results of his or her research which shall be retained by the University.
   Note: An abstract is to be submitted with each copy of the thesis, see Examination Regulation 16.
11. (a) After having accepted the candidate’s application to be examined the Senate shall, upon the recommendation of the Head of the Department, approve the title of the thesis and shall appoint as examiners:
   (i) the Supervisor or Supervisors,
   (ii) one person, who shall also act as Oral Examiner, and who may be a member of the staff of this University if there is no specialist in the field at another University in New Zealand, and
   (iii) one person who may not be a member of the staff of this University except in such circumstances as the Senate thinks fit.
   (b) The Senate may, on the recommendation of the Head of the Department, appoint a further Examiner and in exceptional circumstances two further Examiners.
12. The Supervisor shall forward to the Registrar a certificate stating that the work described in the thesis was carried out by the candidate under his or her supervision and that the conditions laid down in Regulation 5 or 6 have been fulfilled.
13. (a) A copy of the thesis shall be submitted to each examiner who shall report on the thesis independently. Except where the Vice-Chancellor acting on the advice of the Examiners otherwise authorises, the Supervising Examiner and one External Examiner shall together examine the candidate orally in the subject of the thesis and on the general field to which the subject belongs. The oral examination shall be held after the reports from all the examiners have been received, and not sooner than six weeks after the submission of the thesis, except in very special circumstances and with the approval of the Senate. At the request of the Oral Examiners the candidate may be required to take a written examination. The Oral Examiners shall make a joint report to the Senate on the whole examination. The Examiners may recommend that a thesis, not considered entirely suitable by them for acceptance, may be revised by the candidate for re-submission on one further occasion only.
   (b) Where a candidate registered for this Degree who has not qualified for or been awarded a Master’s Degree of this University submits or re-submits a thesis not considered entirely suitable to the examiners, the Senate may recommend that the thesis be submitted for a Master’s Degree without Honours in the appropriate Faculty provided that the candidate satisfies all other requirements for that Master’s Degree.
14. Senate may, in such exceptional circumstances as it thinks fit, approve a personal course of study which does not conform to the foregoing Regulations.
THE DEGREE OF DOCTOR OF LITERATURE LittD

General Provisions
1. Other than in exceptional circumstances, a candidate for the Degree of Doctor of Literature shall be a graduate of the University of Auckland, or that of the University of New Zealand.
2. No candidate shall present himself or herself for the Degree of Doctor of Literature until at least eight years after graduation to his or her first degree.
3. The Degree of Doctor of Literature shall be awarded for an original contribution (or contributions) of special excellence to linguistics, literary, philosophical, social or historical knowledge.
4. The Degree shall be awarded only on work, whether sole or conjoint, published in book form or in scholarly journals in general circulation.
5. No work shall be considered for the Degree if the work, or major portion thereof, has previously formed the basis of an award of any degree or diploma in this or any other University.
6. A candidate shall make application in writing to be examined, and such application, accompanied by the fees prescribed in the Fees Regulations, shall be lodged with the Registrar together with:
   (a) three copies of the work to be examined;
   (b) a statutory declaration which shall:
       (i) state the extent to which the work is the candidate’s own, and (in the case of a conjoint work) identify as clearly as possible which parts are the candidate’s own; and
       (ii) state what portion (if any) of the work submitted has been previously presented for a degree or diploma of the University of Auckland or any other University; and
       (iii) declare that the work in substantially its present form has not been previously accepted for the award of a degree or diploma in this or any other University and is not being concurrently submitted for a degree or diploma in any other University.
7. As soon as possible after the application has been lodged, the Senate shall appoint a Moderator who shall:
   (a) consider the work and submit, through the Registrar, a preliminary report, which shall indicate whether, in his or her opinion, the examination should proceed; and
   (b) state the names of not fewer than two persons recommended as suitable examiners in the field covered by the work submitted, provided that the Senate in appointing examiners under Regulation 9 of these Regulations shall not be restricted to the persons so named.
8. Upon receipt of the report of the Moderator the Senate shall decide whether to proceed with the examination. If the Senate determines that the examination shall not proceed or that the degree shall not be awarded, the candidate may not lodge a further application to be examined for a higher degree until a period of five years or more has elapsed from the date of Senate’s decision.
9. (a) If the examination is to proceed the Senate shall appoint two independent External Examiners of whom at least one shall be resident outside New Zealand, provided that the Senate may in its discretion appoint an additional Examiner who may be a member of the teaching staff of the University of Auckland.
   (b) The contents of the Moderator’s report shall not be communicated to the Examiners.
10. The duties of each Examiner shall be:
    (a) to report independently on the quality of the work and its value as a significant contribution to learning; and
    (b) to recommend whether or not the Degree should be awarded, provided that where the recommendation is that the Degree should not be awarded, the Examiner may recommend that the candidate be permitted to re-submit the work with further published work at a later date. A re-submission shall be accompanied by a further full examination fee.
11. All reports and other communications shall be sent to the Registrar who shall refer them to the Moderator.
12. The Moderator shall consider the reports of the Examiners and prepare a final report based upon them which, together with the reports of the Examiners, shall be placed before the Senate and the Senate shall determine whether or not the Degree shall be awarded.
13. Notwithstanding anything in Regulation 12 of these Regulations the Moderator shall, where only two Examiners have been appointed and their recommendations are conflicting, submit to the Senate the name of a further person qualified to act as an Examiner and in such case the Senate shall appoint the person so named or some other suitable person to be an additional Examiner to furnish an independent report in accordance with the provisions of Regulation 10 of these Regulations, which shall be considered by the Senate together with the other reports.

THE DEGREE OF DOCTOR OF SCIENCE DSc

General Provisions
1. Other than in exceptional circumstances, a candidate for the Degree of Doctor of Science shall be a graduate of the University of Auckland, or of the University of New Zealand.
2. No candidate shall present himself or herself for the Degree of Doctor of Science until at least eight years after graduation to his first degree.
3. The Degree of Doctor of Science shall be awarded for an original contribution (or contributions) of special excellence in some branch of pure or applied science.
4. The Degree shall be awarded only on work, whether sole or conjoint, published in book form or in scholarly journals in general circulation.
5. No work shall be considered for the Degree if the work, or a major portion thereof, has previously formed the basis of an award of any degree or diploma in this or any other University.
6. A candidate shall make application in writing to be examined, and such application, accompanied by the fees prescribed in the Fees Regulations, shall be lodged with the Registrar together with:
Examination Procedure

7. As soon as possible after the application has been lodged, the Senate shall appoint a Moderator who shall:
   (a) consider the work and submit, through the Registrar, a preliminary report, which shall indicate whether, in his or her opinion, the examination should proceed; and
   (b) state the names of not fewer than two persons recommended as suitable Examiners in the field covered by the work submitted, provided that the Senate in appointing Examiners under Regulation 9 of these Regulations shall not be restricted to the persons so named.

8. Upon receipt of the report of the Moderator the Senate shall decide whether to proceed with the examination. If the Senate determines that the examination shall not proceed or that the degree shall not be awarded (Regulation 12) the candidate may not lodge a further application to be examined for a higher degree until a period of five years or more has elapsed from the date of the Senate's decision.

9. (a) If the examination is to proceed the Senate shall appoint two independent External Examiners of whom at least one shall be resident outside New Zealand, provided that the Senate may in its discretion appoint an additional Examiner who may be a member of the teaching staff of the University of Auckland.
   (b) The contents of the Moderator's report shall not be communicated to the Examiners.

10. The duties of each Examiner shall be:
    (a) to report independently on the quality of the work and its value as a significant contribution to learning; and
    (b) to recommend whether or not the Degree should be awarded, provided that where the recommendation is that the Degree should not be awarded, the Examiner may recommend that the candidate be permitted to re-submit the work with further published work at a later date. A re-submission shall be accompanied by a further full examination fee.

11. All reports and other communications shall be sent to the Registrar who shall refer them to the Moderator.

12. The Moderator shall consider the reports of the Examiners and prepare a final report based upon them which, together with the reports of the Examiners, shall be placed before the Senate and the Senate shall determine whether or not the Degree shall be awarded.

13. Notwithstanding anything in Regulation 12 of these Regulations, the Moderator shall, where the Examiners' recommendations are conflicting, submit to the Senate the name of a further person qualified to act as an Examiner, and in such case the Senate shall appoint the person so named or some other suitable person to be an additional Examiner to furnish an independent report in accordance with the provisions of Regulation 10 of these Regulations, which shall be considered by the Senate together with the other reports.

THE DEGREE OF DOCTOR OF LAWS LLD

General Provisions

1. Other than in exceptional circumstances, a candidate for the Degree of Doctor of Laws shall be a graduate of the University of Auckland, or of the University of New Zealand.

2. No candidate shall be eligible for the award of Degree of Doctor of Laws until at least eight years after graduation to his or her first degree.

3. The Degree of Doctor of Laws shall be awarded for an original contribution (or contributions) of special excellence to the history, philosophy, exposition or criticism of law.

4. The Degree shall be awarded on work, whether sole or conjoint, published in book form or in scholarly journals in general circulation, but in addition to the published work the candidate may submit unpublished work in support of the application.

5. No work shall be considered for the Degree if the work or a major portion of it has previously formed the basis of an award of any degree or diploma in this or any other University.

6. Written application to be examined for the Degree, accompanied by the fees prescribed in the Fees Regulations, shall be lodged with the Registrar together with:
   (a) three copies of the work to be examined; and
   (b) a statutory declaration which shall:
       (i) state the extent to which the work is the candidate's own, and (in the case of a conjoint work) identify as clearly as possible which parts are the candidate's own; and
       (ii) state what portion (if any) of work submitted has been previously presented for a degree or diploma of the University of Auckland or any other University; and
       (iii) declare that the work in substantially its present form has not been previously accepted for the award of a degree or diploma in this or any other University and is not being concurrently submitted for a degree or diploma in any other University.

Examination Procedure

7. As soon as possible after the application has been lodged, the Senate shall appoint a Moderator who shall:
   (a) consider the work and submit, through the Registrar, a preliminary report, which shall indicate whether, in his or her opinion, the examination should proceed; and
   (b) state the names of not fewer than two persons recommended as suitable examiners in the field covered by the work submitted but the Senate in appointing examiners under Regulation 9 of these Regulations shall not be restricted to the persons so named.

8. Upon receipt of the report of the Moderator the Senate shall decide whether to proceed with the examination. If the Senate determines that the examination shall not proceed or that the degree shall not be awarded (Regulation 12) the candidate may not lodge a further application to be examined for a higher degree until a period of five years or more has elapsed from the date of the Senate's decision.

If the examination is not to proceed the candidate shall be entitled to a refund of one half of the fees paid under Regulation 6 of these Regulations.
9. (a) If the examination is to proceed the Senate shall appoint two independent External Examiners of whom at least one shall be resident outside New Zealand, and the Senate may in its discretion appoint an additional Examiner who may be a member of the teaching staff of the University of Auckland.

(b) The contents of the Moderator’s report shall not be communicated to the Examiners.

10. The duties of each Examiner shall be:

(a) to report independently on the quality of the work and its value as a significant contribution to learning; and

(b) to recommend whether or not the Degree should be awarded. Where the recommendation is that the Degree should not be awarded the Examiner may recommend that the candidate be permitted to re-submit the work together with further published work at a later date. A re-submission shall be accompanied by a further full examination fee.

11. All reports and other communications shall be sent to the Registrar who shall refer them to the Moderator.

12. The Moderator shall consider the reports of the Examiners and prepare a final report based upon them which, together with the reports of the Examiners, shall be placed before the Senate and the Senate shall determine whether or not the Degree shall be awarded.

The Degree of Doctor of Engineering shall be awarded for an original contribution (or contributions) of special excellence in some branch of Engineering of Technology.

THE DEGREE OF DOCTOR OF ENGINEERING DEng

General Provisions

1. Other than in exceptional circumstances, a candidate for the Degree of Doctor of Engineering shall be a graduate of the University of Auckland, or of the University of New Zealand.

2. No candidate shall present himself or herself for the Degree of Doctor of Engineering until at least eight years after graduation to his or her first degree.

3. The Degree of Doctor of Engineering shall be awarded for an original contribution (or contributions) of special excellence in some branch of Engineering of Technology.

4. The Degree shall be awarded only on work, whether sole or conjoint, published in book form or in scholarly journals in general circulation or as designs and inventions; but in addition the candidate may submit unpublished work in support of the application.

5. No work shall be considered for the Degree if the work, or major portion thereof, has previously formed the basis of an award of any degree or diploma in this or any other University.

6. Written application to be examined for the Degree, accompanied by the fees prescribed in the Fees Regulations, shall be lodged with the Registrar together with:

(a) three copies of the work to be examined; and

(b) a statutory declaration which shall:

(i) state the extent to which the work is the candidate’s own, and (in the case of a conjoint work) identify as clearly as possible which parts are the candidate’s own; and

(ii) state what portion (if any) of work submitted has been previously presented for a degree or diploma of the University of Auckland or any other University; and

(iii) declare that the work in substantially its present form has not been previously accepted for the award of a degree or diploma in this or any other University and is not being concurrently submitted for a degree or diploma in any other University.

Examination Procedure

7. As soon as possible after the application has been lodged, the Senate shall appoint a Moderator who shall:

(a) consider the work and submit, through the Registrar, a preliminary report, which shall indicate whether, in his or her opinion, the examination should proceed; and

(b) state the names of not fewer than two persons recommended as suitable examiners in the field covered by the work submitted.

8. Upon receipt of the report of the Moderator the Senate shall decide whether to proceed with the examination. If the Senate determines that the examination shall not proceed or that the degree shall not be awarded (Regulation 12) the candidate may not lodge a further application to be examined for a higher degree until a period of five years or more has elapsed from the date of Senate’s decision.

If the examination is not to proceed the candidate shall be entitled to a refund of one half of the fees paid under Regulation 6 of these Regulations.

9. (a) If the examination is to proceed the Senate shall appoint two independent External Examiners of whom at least one shall be resident outside New Zealand, provided that the Senate may in its discretion appoint an additional Examiner who may be a member of the teaching staff of the University of Auckland.

(b) The contents of the Moderator’s report shall not be communicated to the Examiners.

10. The duties of each Examiner shall be:

(a) to report independently on the quality of the work and its value as a significant contribution to learning; and

(b) to recommend whether or not the Degree should be awarded. Where the recommendation is that the Degree should not be awarded the Examiner may recommend that the candidate be permitted to re-submit the work together with further published work at a later date. A re-submission shall be accompanied by a further full examination fee.

11. All reports and other communications shall be sent to the Registrar who shall refer them to the Moderator.

12. The Moderator shall consider the reports of the Examiners and prepare a final report based upon them which, together with the reports of the Examiners, shall be placed before the Senate; and Senate shall determine whether or not the Degree shall be awarded.

The contents of the Moderator’s report shall not be communicated to the Examiners.

13. Notwithstanding anything in Regulation 12 of these Regulations, the Moderator shall, where the Examiner’s recommendations are conflicting, submit to the Senate the name of a further person qualified to act as an Examiner and in such case the Senate shall appoint the person so named or some other suitable person to be an additional Examiner to furnish an independent report in accordance with the provisions of Regulation 10 of these Regulations, which shall be considered by the Senate together with the other reports.
## Centre for Continuing Education

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The Centre for Continuing Education is a Department of the University, the special function of which is to create opportunities for the whole community to attend courses and other activities for personal enjoyment and development or advancement of professional knowledge. Nearly all courses are conducted by University academic staff or outside specialists. The Centre makes available to the general public a wide variety of courses in the humanities, sciences, music and the arts. These are usually taught over six to ten weeks. Day or weekend seminars are also promoted at the Centre. A number of these focus on issues of community concern and have an interdisciplinary perspective.

Adults contemplating degree studies after some years away from formal education are referred to the “New Start” programmes in Arts detailed in the Calendar under “Preliminary Courses” in the General Statutes and Regulations chapter. Alongside the basic New Start 10 week courses are introductory courses in specific subjects, study skills, workshops and other supportive activities to assist adults recommence formal studies. New Start also caters for people with physical and sensory disabilities. Stepping Stones, a preparatory course for those needing additional help with written language is also offered.

The Preliminary Commerce Course is a year-long programme with an examination of bursary-level standard at the end of the course. The Centre is linked with the N.Z. College for Seniors and the American Elderhostel movement to provide residential educational programmes for older adults. In addition its Educational Travel Programme arranges study tours abroad for New Zealanders of all ages. Short courses providing professional development for workers in health, education, welfare, recreation, community development are also available. Aspects of the theory and practice of Adult Education are taught in short courses within the Centre and at Stage III and Master’s level within the Education Department.

The Centre also promotes a wide-ranging series of seminars, courses for such professional groups as engineers, business people, teachers, surveyors, valuers. The Centre’s Conference organisation team provides administrative services for a range of academic and professional conferences. The Centre coordinates the University of Auckland Principals’ Centre, which runs an annual programme of professional development.

The Centre also coordinates and administers distance education for the University, including all degree and Certificate programmes taught in Northland.

Publicity brochures about the Centre’s activities are available on request from the Centre for Continuing Education. More information can be obtained by telephoning the Centre, 3737 999 or 3737 599 ext. 7831 or 7832, writing to the Centre for Continuing Education, University of Auckland, Private Bag 92019, Auckland or calling at the General Office of the Centre, Old Arts Building, 22 Princes Street.

QUALIFICATION PROGRAMMES

The following Certificates and other qualification programmes are offered by the Centre. These are part-time specialist courses which enable students to gain University-level, non-degree qualifications. Successful students can, however, qualify for credit towards degree courses. Students can apply for up to four papers credit in specified degrees on the basis of their performance in completed Certificates. The application must be accompanied by the prescribed fee. The credited courses shall comply with the regulations for the higher qualification. A student who wishes to credit more than one-third of the work completed for the Certificate will be required to surrender that Certificate before the award of credit will be confirmed.

In Adult Education, Music Education for LTCL, School Leadership and Women’s Studies; students may enrol in single modules. No degree credit is available, however, for individual modules.

All enquiries and all enrolments for these courses are handled directly by the Centre for Continuing Education.

Certificate in Adult Education
This Certificate is designed for people working in any field of Adult Education, formal or non-formal. It comprises five modules (chosen from six), including a compulsory Research Methods module. The minimum duration of the course for accreditation purposes is two years. Successful students may be credited for up to four papers towards a BA or a BEd degree. Application forms, further information on this programme and enrolment procedures are available at the Centre.

Certificate in Training and Human Resource Development
This Certificate is designed for people with interests in human resource development and training in the public, private and voluntary sectors. The Certificate comprises a three-semester part-time programme of six modules. These modules are not usually available separately. Successful students may be credited for up to four papers towards a BA/BCom degree (cf MSLR in Arts Faculty). Applications for this course close at the Centre on 1 February 1995. The Certificate requires completion of six integrated units of study including an individual project. These are usually completed in a three semester programme, but students may take longer if necessary. Modules are not usually available separately.

Certificate in School Leadership
This Certificate is designed for experienced teachers in New Zealand primary, intermediate and secondary schools, especially those already holding positions of responsibility. It caters for teachers who lack the qualifications to enter the University’s MEd programme, as well as those with degrees. The programme comprises six modules taken over a minimum of two years, including an action research module. Successful students may be credited for up to four papers towards a BA or a BEd degree. Enrolment is restricted, and applications close at the Centre on 1 February, 1995.

Certificate in Women’s Studies
The Centre offers two Certificates in Women’s Studies, one taught locally and one a Distance Option. Both programmes are designed for women at all stages of their lives and from all backgrounds. They are of particular relevance to librarians, health workers, union women, women returning to or beginning tertiary study and those working in equity or equal opportunities areas. The full Certificate comprises six modules, two of which are compulsory, taken over a minimum of two years. Successful students may currently be credited with up to four papers towards a BA degree, and will also be eligible to enter the University’s Women’s Studies degree programme at level II. Application forms, enrolment procedures and further details on these programmes are available at the Centre.

Music Education for LTCL
This course is designed for music teachers with or without a diploma, school teachers who have some experience of music teaching and students studying music who do not wish to enrol in higher performance diplomas. The course comprises both music education and the opportunity for students to attempt the Trinity College of Music Practical Examination for the LTCL (Music Education) Diploma. It is part-time over a minimum of one year and a maximum of three. Applicants must have a minimum of grade 7 instrumental qualification. This course will not be offered in 1995.
# Staff and Student Information

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STAFF AND STUDENT INFORMATION

ACADEMIC DRESS
The Auckland Branch of the New Zealand Federation of University Women owns a stock of Academic Gowns, Hoods, Trenchers and Tudor Bonnets. These are available for hire on Wednesdays throughout the year. Details may be obtained from Barbara Robinson, Room 144, Old Arts Building, 22 Princes Street, Ext 7176. A student completing the requirements for a degree or diploma will receive information regarding the hire of academic dress for the Graduation Ceremony with his or her Application for Conferment of Degree Form.

ACCOMMODATION SERVICE
The Accommodation and Conference Centre offers five different options of accommodation. These are:
- Halls of Residence (Refer HALLS OF RESIDENCE/HOSTEL)
- Single Occupancy Self-Catering
- Group Occupancy Self-Catering
- Grafton Flats and Houses
- Private Sector Accommodation

The office is located 1st Floor, Recreation Centre, 17 Symonds Street. Information booklets containing a common application form are available early August of each year. Notice boards located outside the office are maintained giving detail of accommodation available within private flats and houses. With the regularity of change information from these notice boards is unable to be given by telephone, facsimile, or letter.

AUCKLAND UNISERVICES LIMITED
Auckland UniServices Limited is a company legally separate from the University of Auckland but its shares are held in trust by the University. The objectives of UniServices are to:
- Commercialise university-sourced technology and innovations.
- Provide specialist consulting, testing and teaching services on a commercial basis.
- Carry out research contract work for outside organisations.
- Undertake any other commercial work considered to be advantageous.

UniServices will evaluate the commercial potential of new ideas, innovations and inventions produced by University staff and students and, where there is judged to be a good possibility of commercialisation, will arrange patent protection or advise on copyright and/or confidentiality agreements.

The main office of UniServices is located in UniServices House, 58 Symonds Street and is open during normal working hours (telephone 373 7522). Offices are also located in Room 2503 School of Medicine, 5th Floor (extn. 6779) and Room 1.610 School of Engineering, 6th Level (ext. 5114).

All profits made by UniServices will be returned to the University of Auckland.

CAREERS ADVISORY SERVICE
The Careers Advisory Service offers advice and information to assist students plan and achieve their career goals. The services include information resources, C.V. appraisal, advice on interview and job-seeking strategies, individual interviews, workshops and a computer based career guidance package. In addition the Service coordinates recruitment programmes on behalf of employers wishing to employ graduates, and maintains a Situations Vacant noticeboard. Students are encouraged to visit the Careers Advisory Service in the early stages of their university studies. The office is located in the top floor of the Upper Lecture Theatre building and is open between 8.30am and 5.00pm. Enquiries to the Secretary, Room 10, phone 373-7599 ext. 5940.

A limited service is offered at the Tamaki Campus including Drop-in, information resources and workshops. For enquiries phone 3737 599 ext. 6669, or the Secretary on ext. 6677.

THE CHAPEL
The Maclaurin Chapel was established under a deed of trust by Sir William Goodfellow, Hon. LLD, in memory of his son, Richard Maclaurin Goodfellow, killed during service with the Fleet Air Arm in World War II, and of Professor Richard Cockburn Maclaurin, one of Auckland's most distinguished graduates. University representatives are included in the Board of Management which is responsible for administering the trust and appointing the Maclaurin Chaplain.

Services are conducted in the University Chapel are non-denominational in character, and all members of the University are welcome. Special Services are held at Orientation, Easter, Graduation, Mid-Year and End of Year. There are regular discussion groups, bible studies and other events associated with the Chapel, which are advertised in "Craccum" and "This Week". The Chaplaincy publishes a journal "Real World", for the University Community.

The Chapel may also be used for weddings and funerals of University students and staff and their families.

CHAPLAINSES
There are two chaplaincies to the University. The Roman Catholic team is based at the Catholic Student Centre, Newman Hall, 16 Waterloo Quadrant, with a priest, one lay person and a sister on the team (telephone 3732 097).

The Maclaurin chaplaincy is non-denominational. The Chaplain may be contacted in his office in the Chapel complex (extension 7732). The Ecumenical chaplain is Rev Dr Calum Gilmour (extension 7424) whose office is in the Classics Department.
The programme will recommend EEO training for University staff to ensure familiarity with affirmative action principles and practices.

Wide enough to include such matters as applicants' community and cultural standing or their work experience (whether paid or unpaid).

The programme will aim to identify and avoid any unfair discrimination against those employed by, or applying for appointment within the University. It will review current personnel policies and procedures, such as those relating to recruitment, interviewing, appointments, promotions, work conditions and staff development and training, in order to meet EEO objectives.

The University of Auckland is committed to meeting its responsibilities under the Treaty of Waitangi. The EEO programme will contain objectives which show that we accept the principle of partnership, and that we aim to redress the under-representation of Maori in the University.

The University of Auckland aims to promote teaching, research and community service of the highest standard so as to enhance the standing of the University in Auckland, in New Zealand and internationally.

The University of Auckland has adopted an “Equal Employment Opportunity” policy under its obligations to be a “good employer” as provided for in the State Sector Act, 1988.

Policy

The University of Auckland aims to promote teaching, research and community service of the highest standard so as to enhance the standing of the University in Auckland, in New Zealand and internationally. The University of Auckland is committed to the principle and practice of equity. It therefore opposes unfair discrimination on the grounds of gender, race, disability, marital status, sexual orientation, age, religion, or on any other grounds, or through harassment.

The University undertakes, within available resources, to meet its obligations to equity by developing, publishing and ensuring compliance with an effective Equal Employment Opportunity (EEO) programme in each year for all general and academic staff.

The development of the EEO programme will be the responsibility of the EEO Officer and the Advisory Committee on EEO working in consultation with the University community.

The programme will aim to redress under-representation of other groups also; in particular women, Pacific Islanders, members of other ethnic minorities, people with disabilities, and others who are under-represented.

The programme will aim to identify and avoid any unfair discrimination against those employed by, or applying for appointment within the University. It will review current personnel policies and procedures, such as those relating to recruitment, interviewing, appointments, promotions, work conditions and staff development and training, in order to meet EEO objectives.

The programme will, where necessary, recommend the review of University structures as well as policies and procedures to achieve equal employment opportunity.

The programme will require that appointment to all positions should be on the basis of merit and that the definition of merit should be wide enough to include such matters as applicants’ community and cultural standing or their work experience (whether paid or unpaid).

The programme will recommend EEO training for University staff to ensure familiarity with affirmative action principles and practices.
The EEO Officer, in liaison with the Advisory Committee on EEO, will co-ordinate the development of an EEO database to enable the EEO programme to be evaluated regularly and checked for its effectiveness.

The University acknowledges an obligation, within available resources, to provide facilities and support services such as childcare centres and liaison officers, in order to meet EEO objectives.

The responsibility for disseminating and giving effect to this policy will lie at all levels within University government, i.e. in Council, Senate, and their Committees, and with the Vice-Chancellor, Registrar, Deans and Heads of Departments. The EEO Officer is available to offer advice.

The monitoring of EEO in the University is the responsibility of the EEO Officer and the EEO Advisory Committee, a committee of Council comprising representatives from many of the groups named in the EEO Plan and chaired by the Assistant Vice-Chancellor for EEO and Staff Development. The EEO Advisory Committee is responsible for the preparation of a three-year plan to implement the EEO Policy in the University. The most recent plan adopted by Council in July 1994.

For more information on EEO issues, or copy of the Plan or other EEO resources, please contact Stephenie Knight, EEO Officer (ext 8316) or Margaret Freeman, EEO Secretary (ext 7855). The EEO Office is in the corridor behind the Lower Lecture Theatre (Rooms 5-7) on the City Campus.

HALLS OF RESIDENCE/HOSTEL
Refer also ACCOMMODATION SERVICE
There are three Halls of Residence available to full time University students, with two thirds of each Hall allocated to new entrant applicants. Each offers three meals a day and each hall is available to both men and women. Pastoral care is provided by resident Master/Warden personnel. Application forms are available from early August each year, with the closing date of 31 October each year. Late applications are accepted for the Waiting List.

Grafton Hall, 40 Seafield View Road, Grafton, administered by the Presbyterian Methodist Congregational Foundation Inc., is within 15 minutes' walk of the City Campus. Accommodation and full board is provided for 166 students in single or twin rooms.

International House, 27 Whakairi Place, administered by the University, is within seven minutes' walk of the City Campus. Accommodation and full board is provided for 164 students in single or twin rooms.

O'Rorke Hall, 16 Mount Street, administered by the University, is within five minutes' walk of the City Campus. Accommodation and full board is provided for 356 students in single rooms.

The University administers certain floors at the following single occupancy self-catering property. All conditions and services are similar to those offered within Halls of Residence with the exception that meals are not provided.

Huia Residence Hostel, Corner Grafton and Park Roads, Grafton, is within 15 minutes' walk of the City Campus.

HARASSMENT PROCEDURES
The University is committed to providing an environment within the University and all its facilities which is free from harassment. Harassment may be offensive behaviour or unwanted attention. It may involve an abuse of power to disadvantage, dominate, discriminate or insult. Whatever kind of harassment - sexual, racial, academic, religious etc - it is totally unacceptable. The University’s Council endorsed the above policy in 1984.

The University has set in place:

(a) procedures to investigate and/or resolve harassment complaints

(b) programmes to prevent the occurrence of harassment.

Procedures available for the informal, confidential and expeditious resolution of harassment complaints involve:

(i) The Contact Network, drawn from staff and students throughout the University to listen to and discuss options for dealing with the harassment. Lists of Contact Network members are available from all Departmental Offices or in the internal telephone directory.

(ii) The Mediator, who is also a part of the informal procedures. When mediation is required the complaint is referred to the Mediator.

A complainant may approach the Mediator directly and may request a mediator of the same gender. The Mediator co-ordinates University procedures for dealing with harassment and provides educative activities relating to harassment. The Mediator also functions as a disputes mediator, any staff member or student may request the assistance of the mediator in resolving a dispute.

The Mediator’s office is located in Room 4, Lower Lecture Theatre, Ext 7478.

STUDENTS OR STAFF USING THE UNIVERSITY’S FACILITIES SHOULD NOT HESITATE IN USING THESE PROCEDURES IF THEY FEEL THEY ARE BEING HARASSED.

INTELLECTUAL PROPERTY INCLUDING INVENTIONS AND PATENTS
When staff or students consider that during the course of their University activities a discovery or innovation has occurred which may have possibilities for commercial exploitation, the University requires them to disclose such a discovery to the University by informing the Auckland UniServices Limited. The Board of Directors of Auckland UniServices Limited would, in due course, make a decision as to its assignment to UniServices, its protection and its course of commercialisation. An agreement between the discoverer(s) and UniServices would then be entered into, such an agreement describing the obligations of the parties and the division of any income and expenditure.

Members of staff and students should know that prior to the granting of a provisional patent, publication is likely to render any research, result unpatentable. It is not the wish of the University, however, that this circumstance should inhibit the free publication of research work.

Copyright of journal articles and books are not included in the above requirements and the copyright will remain with the author(s). Where research contract agreements are being negotiated on behalf of the University with clauses regarding the ownership of data or results, or any future inventions or patents arising from the proposed research, then the University requires that Auckland UniServices Limited be consulted at an early stage of these negotiations to ensure that no commitments regarding such ownership are made to funding agencies which are in conflict with University policy.

Staff or students are not to use for commercial purposes any University resources, invention or development or computer program to
THE LIBRARY

The University Library was established in 1884 with a grant of £37 for books which were ‘to be bought in England and uniformly bound in full calf with golden lettering’. Since then the Library has grown into a collection of more than 1 million volumes, including thousands of unbound periodicals, pamphlets and reprints. Over 16,000 periodical titles are currently received. *The True University: A Short History of the University of Auckland Library* 1883–1986 by Olive Johnson was published in 1988 as No. 16 of the Library’s Bibliographical Bulletins.

The University Library comprises the General Library in the Library Building on the corner of Princes Street and Alfred Street, divisional libraries in Architecture Property and Planning, Biological Sciences, Continuing Education, Engineering, Fine Arts, Geography, Law, Te Hukatai (Maori Studies), Medicine, Music, Science and at Tamaki. In addition there are departmental reading rooms in a number of subjects. The General Library contains most of the books needed for undergraduate reading in arts and commerce subjects. It also contains more advanced material in Accountancy, Anthropology, Economics, Education, Geography, History, Languages and Literature, both classical and modern, Management Studies, Philosophy, Political Studies, Psychology and Sociology.

The Audio Visual Library is located in the Arts I Building. It contains a collection of videotapes, audio cassettes and slides. More information about the Library, its services and organisations, can be found in the *Library Guide* and in the pamphlet *Library Resources in the University of Auckland*. These are available from the Information Desk in the General Library. The Library aims to provide an effective and properly managed information resource for the teaching, learning and research needs of all members of the University of Auckland and thereafter the wide community, and will: collect and organise materials and facilitate access to them; employ state-of-the-art techniques and methods in information delivery; educate readers to become skilled in locating information; develop professionally competent and highly motivated staff; play an active and innovative role in the development of the University. (Mission statement)

LOST PROPERTY

Enquiries regarding lost property should be referred in the first instance to the nearest custodial services office, or the Security Desk. All subsequent enquiries should be made to the Student Association Custodian.

NEWMAN HALL

Newman Hall is the Catholic Student Centre at 16 Waterloo Quadrant. It is named after Cardinal John Henry Newman, the nineteenth century scholar.

Newman Hall is the centre for the Catholic tertiary students and staff. There is Mass each day at 1.10 p.m. and 6.00 p.m. every Thursday and Sunday.

The Theological library is at Newman Hall for the use of theology staff and students. Some of the lectures for the Bachelor of Theology degree are held at Newman Hall.

THE NEW ZEALAND UNIVERSITIES GRADUATES ASSOCIATION (UK)

The New Zealand Universities Graduates’ Association (UK) was formed in 1967 with the main aim of creating and fostering opportunities for graduates of New Zealand Universities to establish contact with other New Zealand graduates in the United Kingdom of Great Britain and Northern Ireland.

Other objects of the Association are the establishment of links with Universities and University organisations throughout the United Kingdom and New Zealand, and to make known to visitors the names of individuals or organisations who might be helpful to them. Membership is open to holders of a degree or equivalent professional qualifications and associate membership is available to all members of NZUSA who are not yet graduates. The Secretary will be pleased to receive membership inquiries and give further information. Postal Address: Secretary: Mrs Mary Mitchell, “Wyndcliffe”, Shootersway Lane, Berkhamsted, Hertfordshire, HP4 3NW, U.K. [Tel: (0442) 874 057]; President: Dr Robert Orr, 12 Erskine Hill, London, NW11 6HB, U.K. [Tel: (081) 455 1636 (hm); (071) 955 7190 (wk)].

THE NEW ZEALAND UNIVERSITY STUDENTS’ ASSOCIATION

Formed in 1929, the New Zealand University Students’ Association is the national union of New Zealand’s university students, to which all seven local university students’ associations are affiliated, giving a total membership of approximately 100,000.

NZUSA acts for students in all matters of national concern. Education and student welfare are NZUSA’s major concerns, but it also takes stands on wider social and political issues on which students, through their representatives, have expressed their collective views. NZUSA’s National Office is in Wellington and is headed by the President along with a Vice President, a Women’s Officer and a Research Officer.

NZUAS’s policies are made by representatives of its constituent students’ associations conferences. These policies are carried out under the guidance of the Federation Executive consisting of the Presidents of the constituent associations and the full-time elected officers of NZUSA.

NZUSA’s activities are funded by an annual levy of approximately $3.45 paid by constituent students’ associations on account of each individual member. More information about NZUSA can be gained by contacting AUSA or by writing to the President, P.O. Box 10191, The Terrace, Wellington.

PARKING

Street parking is available for two-wheel vehicles in Symonds Street between Alfred and Wellesley Streets, in Alfred Street, in Symonds Street between Grafton Road and the Human Sciences building, Princes Street outside Maidment Arts Centre and School of Medicine.

 Provision has been made for bicycles on the following areas: Alfred Street – Concourse, Library; Princes Street – Physics Building; Symonds Street – School of Architecture and School of Engineering; Goods Entrance and Lower Lecture Theatre City Campus, Upper and Lower Concourses, Recreation Centre; Park Road – School of Medicine.
An area in lower Grafton Road (area No. 17) has been set aside for students' cars. Admission is by ticket only, to be purchased at the University Bookshop on production of student identification only. Tickets will be sold in groups of 5 — the 1995 fee is under review. No charge is made for this area during the weekend or after 4 p.m. on weekdays. Students may use the parking facilities in Wynyard Street (between Grafton and Alten Roads) without charge after 5.45 p.m. any day, and at any time during the weekends. The parking building at 36 Princes Street is available for general parking after 5.45 each evening and weekends.

PUBLIC COMMENT
Staff should ensure that their university title is used in the media or in press correspondence only when they are commenting on a subject in which they have special competence and when there are no commercial or legal implications arising. For academic staff such subjects would normally be those within their area of academic competence. Students may refer to their links with the University in matters of general concern.

Staff commenting on matters of public interest outside their particular areas of expertise or responsibility should do so in a purely private capacity unless they have first obtained the specific approval of the University through the appropriate head of department or section. Further details of University policy on this matter are set out in the Staff Handbook held by each department. Subject to the above, staff and students should ensure that, in general, their correspondence or statements are not printed on University letterhead unless that correspondence or statement arises from a task the individual has been appointed by the University to undertake. Otherwise the use of University letterhead can give undue weight to the opinion of the author.

RECREATION CENTRE
The Recreation Centre has been planned to meet a comprehensive range of sporting and recreational needs. The facilities available include six squash courts, a health and fitness studio, a martial arts studio, a dance studio and the main hall which may be used for basketball, hockey, soccer, volleyball, badminton, cricket, netball, table tennis and cricket practice.

The Centre runs a diverse range of aerobics classes plus a special Recreational Programme which offers instruction from qualified people in a wide range of activities. Centre hours are Monday to Friday 6.30 a.m. - 10 p.m., Saturday and Sunday 9 a.m. - 6 p.m.

REST SPACES
The University has a number of rest spaces which students and staff with disabilities are welcome to use. Enquiries should be made in the first instance to the Disabled Students Resource Officer, telephone 309-0789.

ROOM BOOKINGS
University lecture theatres can be booked by departments, AUSA clubs and by outside groups, on a casual or regular basis. For casual bookings phone extension 7475 and for regular bookings phone extension 5783. Bookings for the University Conference Centre in the School of Architecture are taken on extension 4064. Outside groups who have not previously used University facilities need to write to the Registrar providing information about their organisation and the event or meeting they want to hold. (Subsequent bookings by the group can be made by telephone.) All bookings are confirmed in writing and include details of the hire charge, where applicable.

SMOKE FREE POLICY

Introduction
The University of Auckland has adopted a “smoke free” policy, in accordance with the provisions of the Smoke Free Environments Act 1990, for the following reasons:

(i) Research suggests tobacco smoke may affect an individual’s well being and health;
(ii) Everyone is entitled to a smoke free environment in all public areas and their place of study or work.

The University recognises that the implementation of the “smoke free” policy requires the cooperation of all members of the University and visitors.

Policy

1. Smoking is not permitted in any building controlled by the University Council (with the possible exception of personal offices as outlined in 3 below). This includes public areas, lifts and stairways.
2. Smoking is not permitted in any vehicle controlled by the University Council, if at any time that vehicle is used by more than one person.
3. Except in departments where a “No Smoking” policy has been adopted, smoking is permitted in personal offices provided University members who wish to smoke in their office take all reasonable precautions to prevent such smoke circulating to other areas where it may affect non-smokers. Accordingly, members of the University wishing to smoke in their personal office should ensure that their office door is kept closed and that the office is adequately ventilated by opening external windows. Smokers should also consider the effect of smoke on the health of persons who may have to visit their office for consultations and meetings. [N.B. a “personal office” is an office occupied by one person only.]
4. Staff who wish to smoke should try to do so only during lunch or tea breaks and out of doors.
5. The international no smoking symbol will be displayed in all university controlled buildings to remind University members and visitors of the “smoke free” policy.
6. Members may complain to their supervisor or Head of Department if a person continues to smoke in any designated “smoke free” area. The supervisor or Head of Department shall, within twenty days of the receipt of the complaint, investigate that complaint and, if it appears a contravention has occurred, shall try to resolve the complaint. In the event that a member of the University will not give an assurance that there will be no repetition of the cause of the complaint the University will notify the Auckland Area Health Board which is responsible for enforcing the provisions of the Smoke Free Environments Act.
7. At its first meeting each year the University Council shall review the “smoke free” policy and shall, before making changes to the policy in accordance with the provision of the Smoke Free Environments Act 1990, consider any submissions received from members of the University of their representatives by the Registrar during the previous year.
8. Copies of the “smoke free” policy are available from the Registrar on request and reminders will be printed in Next Week at the commencement of each term and from time to time in other University publications.

AUCKLAND UNIVERSITY STUDENTS’ ASSOCIATION

The Association is an Incorporated Society which was founded in 1891. For more than 100 years the Students Association (AUSA) has acted for the benefit of students both within and outside the University. The student body is an integral part of the University community and the members of AUSA are involved not only in the control of the University but also in fostering social, political, cultural and sporting activities within the University. AUSA is a society which is concerned with the problems and needs of students in their widest context.

Activities

There are over one hundred clubs and societies affiliated to the Association covering many spheres of student interest. The sports clubs cater for almost all sporting interests and most participate in the local Auckland inter-club competitions and in the NZSU tournaments. The cultural societies cater for a wide range of religious, academic, social, cultural and political interests. Information about these clubs and societies is available from the AUSA reception office. The Association employs a full-time Social Activities Officer and organises a large number of social functions and cultural activities. These include formal dances, the formal Graduation Ball, weekly lunch-time entertainment, film festivals and the annual Capping Festival as well as regular entertainment in the licensed student restaurant “Shadows”. At the beginning of the academic year the Association organises the Orientation Festival to acquaint new students with the varied facets of University life. Various welfare activities such as school visits, blood days, emergency accommodation are co-ordinated by the Welfare Officer.

“CRACCUM” is the weekly newspaper published by the Association during the academic year. Traditionally, it is the vehicle for the expression of student views and news and viewpoints of interest to students, the Editor is elected annually. The Association owns Campus Radio BFIM Ltd which broadcasts on 95 FM throughout the year.

Administration

The control of the business and affairs of AUSA lies with the Executive Committee which is elected annually. It is comprised of a full-time President, three part-time Officers and thirteen portfolio holders, together with the General Manager - a full-time position. The Executive is the official mouthpiece of AUSA and takes action on behalf of AUSA to further students’ interests. Through this Executive which acts as a co-ordinating body, AUSA undertakes a wide and varied number of activities. AUSA is the link between individual students and the academic and administrative staff of the University. Students elect four representatives to Senate, one to the University Council, a number to departmental and faculty committees as well as to the committees of Senate and Council. The President is also a member of Council and Senate. Through its Executive, AUSA represents students in matters involving their interests within the University community.

The Students Representative Council is the political and policy making body of AUSA. The SRC acts on any matter of concern to students and all students may attend meetings and vote. These meetings are usually at 1.00 p.m. in the Quad outside the University Bookshop every Wednesday.

Cafeterias

The Cafeteria block is under the supervision of the Catering Manager. The Main Cafeteria is the only food outlet open on campus during holidays. The Catering Service provides freshly brewed coffee in most of its outlets and various vending machines are situated in the Student Union area for out of hours requirements.

The Main Cafeteria is situated on the ground floor of the Catering block and provides a range of sandwiches, filled rolls, hot savouries and from the hot servery chips, fish, hot dogs etc to take away. There is a large seating area available adjacent to the Cafeteria, term time only. Hours are term time 7.30 am to 3.30 pm; holidays 9 am to 3 pm. The Coffee Lounge (SWOTS) on the first floor provide a variety of hot dishes and salad and is open from 11.30 am to 2 pm. A hot budget meal at a subsidised price for students is served on the mezzanine floor each night (term time and holidays) from 4.30 pm to 6.30 pm. There is also a Chef’s special meal which costs a little more. Hours 4.30 pm to 6.30 pm term time only.

The Milk Bar and Coffee Bar are situated on Alfred Street. The Milk Bar specialises in milkshakes, thickshakes, ice creams and a wide range of sweets. Opening hours are 8.30 am to 5.30 pm. The Coffee Bar has a jukebox and coin operated games machines as well as food and drinks. Daily papers are sold from here and opening hours are 8 am to 9 pm. During the third term and exam time the Coffee Bar is open during the weekends from 8 am to 4 pm.

There are other Cafeterias operating in the Human Science block, Elam Fine Arts and Engineering, Medical and Law Schools, and at the Tamaki Campus.

Facilities

The Student Union Buildings are occupied by the Association with control and use subject to the Student Union Management Committee, which consists of six students and five University representatives including representatives of the Senate, Council and Sub Professional staff. There are five separate blocks, with the Administration block containing Reception, Council Room, the offices of Executive, the Disabled Students Resource Officer, the Student Parent Resource Officer, the Finance department, general meeting rooms, the Publications Office, Student Travel and the radio station. Reception is open from 9 a.m. to 5 p.m. for Association business. The official AUSA Noticeboard outside the Book Shop carries information on activities and meetings as well as details on appointments of Association Representatives. In general, any student may be a representative. On the same level is the Social Activities Officer and the Custodians. Above these are the main common rooms. At the Southern end of the lower common room is AUSA member services where the campus bus ticket agency, Student Resource Service and Student Law Centre can be found. Below are the toilets and lockers, which can be hired for the year from the Custodians. The block adjacent to Alfred Street contains the TV Room, the games and billiard room, the sick bay, meeting rooms, Wominspace and Hineahouhe, the Maori Students’ Room and club facilities. The AUSA Secondhand Bookstall located in the Functions Room (Second Floor of Student Union Building) runs during the last week of enrolment and throughout the first week of term one. The bookstall provides a valuable service for students wishing to acquire their year’s textbooks at a reduced rate. Opening hours are 9.00 am to 6.00 pm for taking in books and 10.00 am to 6.00 pm for selling.

The Maidment Arts Centre

The Maidment Arts Centre on the corner of Princes and Alfred Street provides a venue for some of the cultural activities of AUSA and the University. The larger of the two theatres seats 450, while the smaller holds up to 120 people. The Centre is managed by the Theatre Management Committee which comprises five Association and four University members.

The Recreation Centre

The Recreation Centre meets a comprehensive range of sporting and recreation needs. The facilities available include seven squash courts, a health and fitness studio, a martial arts studio, a dance studio and the main hall, which can cater for basketball, hockey, soccer,
volleyball, badminton, netball, table tennis or cricket. The operating costs are met by membership charges paid by users of the centre. This centre is managed by the Student Recreation Committee, which comprises four Association and six University representatives. This committee also oversees University Park; 40 acres of facilities for rugby, soccer, hockey, athletics and tennis. The Clubrooms contain changing rooms and extensive social facilities.

Students' Association Fee
All students pay a membership fee to belong to the Students' Association. The fee is calculated as a portion of the course load for which a student is enrolled, but no student pays more than a full time course load equivalent of $139.50. This fee is recalculated whenever a student changes their course. Any student may appeal to the University Council if they conscientiously object to being a member of the Association. Many University and Students' Association funds exist to help students who are suffering financial hardship and find payment difficult. The Students' Association will put any student in touch with these funds.

Support
Displaced Student Resource Officer: A full time officer is employed by the Association to provide practical help to disabled students. This officer helps students familiarise themselves with the campus, assists with mobility, library work and research, typing, financial problems, obtaining lecture notes, organising parking and transport, and lobbying for access improvements around the campus.

Referral and Advice: The Association's Reception staff are skilled in referring students to the right people and places around the University. The Association's officers are available to give advice and referrals on all facets of student life.

Student Job Search: The Department of Labour funds a job search programme for students over the summer. During the remainder of the year, a reduced service locates part-time jobs for students.

Student Parent Resource Officer: AUSA employs a part-time resource officer to advise student parents on academic choices, mobility, parking, and support groups. This officer also represents student parents within the University and organises social events.

The University Book Shop
Nearby is the University Book Shop in which AUSA has a half interest. Students are entitled to a 10% discount. The Book Shop also provides the Association with a financial contribution in recognition of its marketing assistance.

STUDENT HEALTH SERVICE
This Service is located next to the Counselling Service on the upper floor of the eastern extension of the Old Arts Building, above the Pharmacy. The service is free and confidential, offering General Practice together with specialised advice for family planning, psychiatric and psychological problems, S.T.D., gynaecology, immunisation and travel advice and minor surgery. Appointments can be made by telephoning 373-7599 ext. 7681. Urgent matters can be seen every week day in a Clinic between 9-10 a.m. The staff comprises a full-time Medical Director, Pat Mauger, three full-time nurses, Sue Parton and Shirley Bennett and Judi Tuck, other male and female doctors and Reception staff giving advice and information. Evening clinics are available Monday to Thursday. There is also a sports medicine service and physiotherapy clinic situated at the Recreation Centre.

A branch of this service is available on the Tamaki Campus.

STUDENT LEARNING CENTRE
The SLC is located on Floor 1 of the Main Library Building and is staffed by academic tutors with special skills for helping students overcome difficulties in university study. Individual consultations are available to enrolled students who can just come to the Centre or phone 373 7599 ext. 8850 for an appointment. Various skills development courses are also taught throughout the year. The wide range of topics dealt with at the SLC include: memory and concentration, writing skills, time management and study organisation, basic maths skills, reading and notetaking, motivation and self-discipline, test-exam preparation and taking, management of study stress, and so on. The Centre also caters for the academic needs of Maori students through a project known as Te Puni Wanaanga/Director. Tutors in this programme can be located in Room 138 of the SLC, ext. 8608. The Fale Pasifika project which caters for the needs of Pacific Islands students is also based at the Centre.

Special educational testing and evaluation can be arranged, to assist specific learning requirements. There is a small registration fee for use of the SLC. The Director of the Student Learning Centre is Emmanuel Manalo.

TELEPHONES
Telephones for student's use are provided in the following locations:

Telecom Card Telephones
Old Arts Building (basement south wing and adjacent to the Campus Pharmacy), Library Building, (Alfred Street Foyer), Thomas Building, (ground floor, adjacent to the entrance to the Biological Sciences Library), School of Engineering, (adjacent to the Library), Human Sciences Building, (adjacent to the Lifts), Human Sciences Building, (adjacent to Lecture Theatres), School of Architecture, Property and Planning, (adjacent Reception Office, main entrance), School of Commerce and Economics, (outside main entrance, off Symonds Street), in tunnel between Arts and Commerce Building, Arts Building, (Lobby areas 2nd and 4th floors), Maths/Physics Building, (outside Lecture Theatre G20), Chemistry Building, (ground floor foyer), Recreation Centre, (off main quad, adjacent to the Pool tables), Maidment Theatre, (courtyard), School of Medicine, (adjacent to Student Common Room) and Tamaki Campus, (Student Common Room).

Telephones suitable for use by students with wheelchairs:

National Payphones - Coin Telephones
There are three National Payphones (coin): Library Building, (Level one), School of Architecture, Property and Planning, (Level 2, adjacent to Lecture Theatre 4), Chemistry Building, (ground floor).

Students are not permitted to make or receive outside calls through the University main telephone system except on University business. Telecom cards are available from the University Book Shop Limited.

THE UNIVERSITY OF AUCKLAND ALUMNI ASSOCIATION (INC.)
The Alumni Association was established in 1991: to encourage interaction between the University and its graduates, former students and former staff; to engender support for the University and its various undertakings from members at large; to inform members of the Association about the activities of the University; and to provide a means whereby organisations of former alumni can contribute to the University's activities.
students based on faculties, departments, associated institutions, other special interests, or based in particular countries or cities, may promote the common object of the welfare of the University.

Members receive regular mailouts including a magazine, as well as social and commercial benefits. A wide range of memorabilia for sale has been developed. Those eligible to join the Association are all past students, graduate or non-graduate, of the University of Auckland and Auckland University College, all members and past members of the Senate and Council, present and past staff members, and anyone who, through association with the University, contributes towards its development and achievement.

The Alumni Office will be pleased to receive membership enquiries or to give further information about the activities of the Alumni Association. Contact Christine Smith Phone 373 7599 Extns 7600 or 8723.

THE UNIVERSITY OF AUCKLAND FOUNDATION

In commemoration of the Centenary of the University, the University of Auckland Foundation is established for the advancement of education in New Zealand in ways which extend the University’s ability to meet the higher educational needs of the Community.

The Trustees will apply the income of the foundation from time to time in fulfilling within the University District and elsewhere in New Zealand the purpose for which the Foundation is established:

1. To encourage the transfer and exchange of knowledge among scholars and the dissemination of knowledge among the community.
2. To encourage overseas scholars to visit New Zealand and New Zealand scholars to visit overseas to carry out study and research and to exchange and impart their knowledge and experience.
3. To arrange the movement within New Zealand of resident and visiting scholars.
4. To facilitate those visits and movements of scholars to, from and within New Zealand, assisting to arrange the temporary exchange or occupation of academic posts in New Zealand and (where New Zealand scholars are concerned) overseas.
5. To arrange the giving of lectures and the promotion of educational discussion and debate in New Zealand before invited or public audiences by scholars from both within and without New Zealand and to arrange itineraries and accommodation for the participants; and in encouraging, arranging and facilitating those activities the Trustees may make such grants, pay such fees, cost of travel and accommodation and make such other expenditure as they consider necessary or desirable.

Note: "New Zealand Scholar" means a scholar resident in New Zealand who is pursuing her/his career here. "Scholar" includes a person engaged in any discipline in the study or practice of administration and of technology and in the management or custody of libraries.

Donations to the Foundation should be sent to:

The Registrar,
University of Auckland,
Private Bag 92019,
Auckland 1,
A form of legacy for the Foundation, or for the University as a whole, is available on request from the Registrar.

UNIVERSITY PARK

The University Park is a 40 acre sports complex situated in Glen Innes. Sports facilities include rugby, soccer, hockey, Australian Rules Football and tennis. The Clubrooms contain changing rooms and extensive social facilities.
Student Allowances, Student Loans, Scholarships and Awards

<table>
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<td>University of Auckland Prizes 1993</td>
<td>539</td>
</tr>
</tbody>
</table>
STUDENT ALLOWANCES

For the convenience of students a brief outline of allowances available through the Ministry of Education is printed below.

Official information is contained in the booklet Student Allowances 1995.

All enquiries should be made to the Student Allowances Office (Room 126, Old Arts Building).

Note: Values stated are the figures as at August 1994.

Eligibility

Students may receive assistance only if they are:

a. a New Zealand citizen; or
b. a person from overseas who has obtained permanent residency and signs a statutory declaration of their intention to reside permanently.

c. enrolled in a fulltime course of study. (Some students may have reason not to be enrolled in a fulltime course of study. Such students should contact the Student Allowances Office to ascertain their eligibility. If there are special reasons and the course of study is more than half a fulltime course of study the Dean of the faculty may consider the application).

Note: Persons admitted to New Zealand on a study permit issued by the Department of Labour are NOT eligible for Student Allowances.

Income Restriction

The income limit for assistance in 1994 is $5,000 gross p.a. not including the vacation periods.

Tenure

Students may only receive assistance for five academic years of fulltime study in a recognised course(s) unless they are enrolled in a recognised long course to study. The period of tenure for the various courses that have been recognised for tertiary grants purposes is as follows:

- **STUDENT ALLOWANCES**

<table>
<thead>
<tr>
<th>13 weeks</th>
<th>One Year:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof LS</td>
<td>DipArts, DipBrC, DipCom, DipCompSci, DipDrama, DipEd, DipELT</td>
</tr>
<tr>
<td></td>
<td>DipGeothermTech, DipGuid, DipLabourStudies, DipLGA, DipMathsEd, DipMus(Hons), DipPH, DipStats, DipSci,</td>
</tr>
<tr>
<td></td>
<td>DipDipRes, MPlan, MArch, MJur, LLM (papers only),</td>
</tr>
<tr>
<td></td>
<td>MPA, MMedSc, MHB, BMus(Performance) (Hons), ME (papers only),</td>
</tr>
<tr>
<td></td>
<td>Transitional Certificate</td>
</tr>
</tbody>
</table>

- **Two Years: |

  |               |
  | DipCrim, DipEdPsych, DipTP, MBChB, MA, MAud, MCom, MSc, MPhil, MFA, ME, Med, MLitt (papers and thesis), MMs, LLM (papers and thesis), MA/MPH, MPH, MPhD, DMus |

- **Three Years: |

  | BA, BCom, MBH, BMus, BPA, BSc, BTheol, DipMus, PGDipAppPsych, PGDipTrans |

- **Four Years: |

  | BE, BEd, BFA, BMus(Performance), BOpOpt, BSc (Hons), BPlan, BPlanOpt, LLL, LLL(Hons), BCom/BSc, BCom, BBA, BScEd |

- **Five Years: |

  | BArch, BA/BSc, BA/LLB(Hons), BA/LLB(Hons), BA/BMus(Hons), BA/BMus(Performance), BA/BMus(Hons), |
  | BCom/LLB(Hons), BCom/LLB(Hons), BBH/BMBChB, BMus/DipMus(Hons), BA/BTheol, BMus/DipMus(Hons), BSc/BOptom, BMus(Performance)/BMus(Performance) (Hons), BA/MA, BA/MA/ |
  | DipMusPsych, BSc/MSc, BSc(Hons)/MSc, BCom/Com, LLL/LLM (papers only), LLL(Hons)/MJur, BMus/MMus, BE/ME (papers only), BPlan/MPPlan |

- **Six Years: |

  | LLL/LLM (papers and thesis), BFA/MFA, BBH/MBChB/MMedSc, BBH/HB/MBChB(Hons), BArch/MArch, BE/ME (papers and thesis), BMus(Performance)/MMus(Performance), BOptom/MSc (in Psych) |

- **Seven Years: |

  | - BSc/BHB/MBChB, BA/Bio or Chem/BHB/MBChB |

Notes:

(i) Joint courses, marked with a *, count as one course only. Other combined courses count as one course only.

(ii) Those combinations of courses marked with a # have been approved as "long" courses and can qualify for a six year tenure of study.

(iii) A further year's fee assistance is available for Professional Legal Studies in the following combinations only: LLL/LLM/ProfLS and LLL(Hons)/MIur/ProfLS. LLL/ProfLS and LLB(Hons)/ProfLS.

(iv) Seven "long" courses in Medicine, requires a student to be admitted to BHB II on the basis of credits for the first Degree.

COP

Papers for Certificate of Proficiency are not recognised for Student Allowance purposes because they do not in themselves result in a recognised qualification.

Overseas Study

Students who need to study overseas (eg thesis research) may not be eligible for Student Allowances. Such students need to consult with the Student Allowances Office in order to gain approval from the Ministry of Education before departing overseas.

Academic Performance

Students must pass more than half a fulltime course of study in any year in order to be eligible for assistance in a subsequent year.

Application for Allowances

For 1995 students must apply for an application form on the mailer sent to all students with their pre-enrolment material, or alternatively the application form may be collected from Student Allowances, Room 126, Old Arts Building.

ALLOWANCES

Allowances are available according to the age of the student. There are two categories for single students: a) 16 - 24 years of age, b) 25 years and over.

For students who are married and/or have dependents, there are specific allowances which are detailed in the booklet 1995 Student Allowances which will be sent to you with your application form. A brief outline of allowances is given below.

- **Students 16-24 years of age inclusive**

  Your parents' combined taxable gross income must be tested for the 1993/94 tax year in order for you to be eligible for any payment, as allowances for your age group are targeted.

  There is a scale of payment (maximum $112.23 per week if you live away from home or $89.78 per week if you live at home).

  **At Home**

  If you live at home and your parents' combined gross income is less than $28,080 you will receive $89.78 per week. This decreases as your parents' earnings increase. If your parents earn more than $45,760 you will not receive any targeted allowance.

  **Away from Home**

  If you live away from home and your parents' combined gross income is less than $28,050 you will receive $112.23 per week. This also decreases as your parents' earnings increase. You will also receive an accommodation benefit (in 1994 this was $21.50 per week, for flatting and boarding but varied for hostels). If your parents earn more than $50,752 you will not receive any targeted allowance.

  A or B Bursary

  A "B" mark (250-299) or an "A" mark (300+) in the Bursaries Examination entitles a student to a bursary payment of $100 or $200 respectively if they are under 20 years of age at the commencement of the academic year.
The A or B Bursaries are not subject to a parental income test. You must apply for the payment of an A or B Bursary.

**Independent Circumstances Allowance**

The Independent Circumstances Allowance is for students who can prove that there are home circumstances which preclude their living at home. An allowance of $112.23 a week plus an accommodation benefit may be payable. A special application form is available from the Student Allowances Office.

**b. Students 25 years and over**

Students 25 years of age and over will receive $107.74 per week if living with their parents, or $134.69 per week if living away from their parents, plus an accommodation benefit.

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**STUDENT LOANS**

This scheme was introduced by the Government for 1992 enrolment. It is administered at present by Student Loans Management on behalf of the Ministry of Education.

A brief outline of the Student Loan scheme is given below. In order to apply for a student loan you complete the application request that is sent with your pre-enrolment form and instructions and information will then be sent to you.

**ELIGIBILITY**

New Zealand citizens or permanent residents enrolled in an approved course of study of at least 12 weeks tenure. IRD number and verification is required as well as a bank account to credit your loan money. You must also sign a contract with the State over your loan.

**LOANS**

**FULL-TIME STUDENTS**

1. **Compulsory Fees**
   - (i.e. tuition, welfare, student assoc)
2. **$1,000 for course related costs**
3. **Up to $4500 living expenses less any entitlement you claim through Student Allowances**

**CHARGES**

1. A $50 administration fee is added to your loan each year by Student Loans Management when the loan is first accessed by you. This is incorporated as part of your loan over and above the other totals. Once you begin borrowing you are charged interest on the amount borrowed. This is calculated at 6% plus the cost of living increase. (For 1994 students the total rate was set at 7.0%) and is calculated daily.
2. Students who take out a loan credit to pay their enrolment fees and then subsequently cancel their Student Loan application will be charged a fee of $60.00 (refer Penalties, Calendar, page 91) to cover the cost of recovering the fees owing.

**REPAYMENT**

You may pay back your loan at any time to reduce your debt. Any loan unpaid will become a compulsory repayment through the Inland Revenue Department once your income exceeds $13,520.

**SCHOLARSHIPS AND PRIZES**

A booklet entitled *Awards Handbook 1994–5* is available without charge from the Enquiry Office of the Registry, 24 Princes Street. This booklet also gives details of certain funds for special assistance.

**REVIEW OF SCHOLARSHIP**

The Council, in awarding any scholarship, reserves the right to reduce the annual value of a scholarship at any time and from time to time during the tenure of it by any holder should the annual income of the funds of the scholarship, in the opinion of the Council, render such reduction expedient. All scholarships offered are subject to review in the event of the candidate being awarded other scholarships. Every holder of a scholarship shall be deemed to accept the award subject to the above reservation and notwithstanding that the value of the scholarship is set out specifically in the Regulations.

**RE-AWARD OF A SCHOLARSHIP DISCONTINUED BY THE ORIGINAL HOLDER**

Fresh applications may be called for in respect of any scholarship discontinued after a period of three months or more from the original date of award; the re-award in the event of this discontinuation of the scholarship to be made on the basis of the original application if possible.

**Please Note:** The sign ***(or ***) indicates an award shared between two (or three) students

**NATIONAL SCHOLARSHIPS - 1994**

The following scholarships were offered to students from the University of Auckland:

- Cambridge Commonwealth Trust Prince of Wales Scholarship
- Commonwealth Scholarship to Australia
- Commonwealth Scholarships to Britain
- DAAD German Academic Exchange Scholarships
- Country Calendar Scholarship
- French Teaching Assistantship

<table>
<thead>
<tr>
<th>Scholarship</th>
<th>Recipient(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cambridge Commonwealth Trust Prince of Wales</td>
<td>Justine Crump</td>
</tr>
<tr>
<td>Scholarship</td>
<td>Carlo Laing</td>
</tr>
<tr>
<td>Commonwealth Scholarship to Australia</td>
<td>Stephen Fenwick</td>
</tr>
<tr>
<td>Commonwealth Scholarships to Britain</td>
<td>Nicola Van Dijk</td>
</tr>
<tr>
<td></td>
<td>Fiona Carswell</td>
</tr>
<tr>
<td></td>
<td>Justine Crump</td>
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<tr>
<td></td>
<td>Carlo Laing</td>
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<td></td>
<td>Philip Smith</td>
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<td></td>
<td>Simon Webb</td>
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<tr>
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<td>Karen Wilcox</td>
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<td>Michaela Sangl</td>
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<tr>
<td></td>
<td>Richard Storey</td>
</tr>
<tr>
<td></td>
<td>Catherine Burnet</td>
</tr>
<tr>
<td></td>
<td>Christoph Hafner</td>
</tr>
</tbody>
</table>

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THE UNIVERSITY OF AUCKLAND SCHOLARSHIPS - 1994

The following scholarships for 1994 had been awarded at the time of preparation of the 1995 Calendar:

Casement Aikin Memorial Bursary
Marie d’Albini Scholarship
Les and Sonia Andrews Scholarship
Asea-Brown Boveri Scholarship in Electrical Engineering
Auckland Centennial Music Festival Scholarship
Auckland Chinese Society Medical Elective Scholarship
Auckland City Council Bursary in Planning
Auckland City Council Queen Elizabeth II Scholarships for Polynesian Students

Auckland City Council 1990 Commemoration Scholarships for Maori Students

Barclays de Zoete Wedd Scholarship in Finance
Anne Bellam Scholarships

Bishop Music Scholarship, Senior
Bishop Music Scholarship, Junior
Frances Briggs Memorial Bursary in Botany, Senior
Frances Briggs Memorial Bursary in Botany, Junior
Broadcast Communications Limited (BCL) Scholarship in Communications Engineering
R N Brothers Memorial Award
F D Brown Postgraduate Science Research Scholarship

Buttle Wilson Scholarships in Finance

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William Georgetti Scholarship
IBM Postgraduate Scholarship
McKee Trust Postgraduate Scholarship
Honorary New Zealand Ramsay Fellowships
Rhodes Scholarships
Shircliffe Fellowship
Transit New Zealand Postgraduate Scholarship

Gordon Watson Scholarship
L B Wood Travelling Scholarship

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Rosalind Archer
Letecia Duncaif
Michael Seth
Karl Tomlinson
Ruth Way
Karl Tomlinson
Barry O’Connor
Simon Webb
Merata Kawharu
Philip Smith
Paul Godfrey
Bruce McNaughton
Robert MacCulloch
Simon Webb
Heather Guy
Elizabeth Wesseling
Michelle Page
Ragu Balanathan
**Kamala Bain
**Victoria Hunt
Adrian H Ormsby
Craig Bond
Silipa Silipa
Desirea Sineiti
Michelle Taito
David Tan
Cherie Tautolo
Umiire Timaloa
Filenimo Timoto
Loti Titi Fuli
Evelise Togi Vaoga
Charlie Tu’u
Sarai Tufala
Anavea Vailahi
Gregory Vailahi
Mark Vailahi
Penisimani Vete
Judy Viliamu
Sara Vui-Talitu
Terry Andrews
Cherry Connew
Stephen Freundlich
Carol Hohepa
Leisa Nathan
Marc Vincent
Hine-A-Tau-Ira Wilkinson
**Angela Anderson
**Carrick Whitney
***Natalie Tantrum
***Elizabeth Hirst
***Kathryn Owen
Gareth McGuinness
Kathryn Lauder
Victoria Allison
Merula Dalebout
Daniel Salek
Matthew I Watson
**Daniel Harris
**David Hirst
James D Agnew
Angela Anderson
David Phillips
Shirley Calderwood Memorial Scholarship

Chapman Tripp Sheffield Young Postgraduate Award
Comalco New Zealand Limited Scholarship in Engineering
Comalco Undergraduate Bursaries in Chemical & Materials Engineering
Consultel Scholarship in Telecommunications Engineering
John Court Scholarship
CS First Boston Scholarship in Finance

CS First Boston Scholarship in Investments
A G Davis Scholarship in Law
DowElanco Bursary in Chemical & Materials Engineering
Elam Art Scholarship
Exicom Scholarship in Radio Communications Engineering
Flying Officer Alfred P Fogerty Memorial Scholarship
Geology Centennial Awards

Winifred Gimblett Scholarship
Sir George Grey Scholarship

Harcourts Real Estate Scholarship
James Hardie & Co. Pty Ltd Bursary in Architecture
Evelyn M Harrison Scholarship
Constance Herbert Memorial Music Scholarship
Hollinrake Memorial Scholarship
Robert Horton Engineering Scholarship
IPENZ Craven Scholarship for Postgraduate Research in Engineering
T R Johnston Scholarship
Sir Alexander Johnstone Scholarships in Law
Grace Kay Awards

Walter Kirby Singing Scholarship
Duffus Lubecki Scholarship
John Hamel MacGregor Award in Medical Science
McConnell Dowell Postgraduate Scholarship

McKee Trust Awards in Mining Engineering (two)
Ray & Dorothy Meyer Engineering Study Award
Mitsubishi Research Fellowship in Geothermal Technology
New Zealand Association of Optometrists Undergraduate Award

New Zealand Federation of University Women (Auckland Branch) Postgraduate Fellowships

Frederick Ost Scholarship in Architecture
Greta Ostova Violoncello Scholarship
Paramount Scholarship in Property Management
Maurice Paykel Scholarship
Pears-Britten Scholarship in Singing
Wilhelm Penseler Scholarships in Music

Grace Phillips Memorial Bursary
Lissie Rathbone Additional Scholarship
Lissie Rathbone Scholarships

Joe Raynes Scholarship
Kathleen Mary Reardon Memorial Music Scholarship
Rive Memorial Scholarship
Sagar Scholarship for String Players
Michael Joseph Savage Memorial Scholarship

***Michael Chin
***Tracey Fromow
***Wendy Boxall
Campbell Walker
Mark Dorrein
Andrew Hooks
Nicholas Hamblin
Gavin L Hansen
**Emily Papworth
**James Agnew
Michael Chin
Katharine O'Leary
Kerry Williamson
Tobias Curnow
Bruce Mauder
Paul F A Maysert
Micheli J Cameron
Marija I Alexandra
Kenneth M Mackenzie
Joanne G McLean
John F Nowack
Anne-Louise Lockhart
**Sharon R Guy
**Christopher L Heath
Jennette Baucke
Jill Shepherd
Terri Crouch
William Hanfling
Mark Storey
Nicola Chong
Paul A Godfrey
Jacqueline Powell
Robert J Hollyman
Melanya Burrows
Samantha Doherty
Michelle Mounce
Shalinka Smith
Fiona Milmine
Patricia A Hunt
Roger Tiedemann
Christopher Tse
**Hasnain Rashid
**David Lee
Christopher Vane
Andrew R Prentice
Karen Lancaster
Kiril Poppovski
Russell Todd
Jyotika Singh
Frances Sullivan
Melissa Hoy Fong
Anthony Cradwick
Elaine Barling
Cara Lowe
Sarah Baker
Claire Lewes
Richard Cavander
Jennie Billot
Barbara Simpson
Andrew Barrie
Kathryn Owen
Fiona M Stewart
Russell Mora
Morag Atchison
**William Hanfling
**Kamala Bain
**Peter Rutledge
**Christopher Squire
Fiona Hamilton
Kay M Shelley
Amber McWilliams
Sean Kerr
Deborah Kapohe
Reuben De Latour
Edwina Williamson
Kathryn Lauder
SENIOR SCHOLARSHIPS:

Accounting & Finance
Ancient History
Anthropology

Applied Mathematics
Architecture
Art History
BHB

Biochemistry
Botany
Cellular & Molecular Biology
Chemistry

Chinese
Commercial Law
Computer Science
Economics
Education (Arts)

Education (Education)

Engineering:

Chemical & Materials
Civil
Electrical & Electronic
Engineering Science

Mechanical

English
Fine Arts
French
Geology
Geography
German
History
Indonesian
Italian
Japanese
Korean

Law

LLB (Hons)

LLB(Hons)

Linguistics

Management Science & Information Systems
Management Studies & Labour Relations
Maori Studies
Marketing & International Business
Music
Optometry
Pharmacology
Philosophy
Physics
Physiology
Planning
Political Studies
Psychology
Pure Mathematics
Russian
Sociology
Spanish
Zoology

Siemens Bursary in Electrical & Electronic Engineering
Mervyn Walter Stoddart Scholarship in Electrical & Electronic Engineering

Telecom New Zealand Fellowship in Telecommunications Engineering
Telecom New Zealand Scholarship in Telecommunications Engineering

Wendy Boxall
Peter Royle
**Ian Hunter
**Eliaikimi Pepa
Sharon Guy
Amanda Bulman
Sarah Hill
Darren Hunt
Weng Chan
Adam Bartlett
Sonja Bastin
Janus Schaumkel
Kim Newton
Jared Boow
Sheryl LJ Hawkes
**Peter J Rutledge
**Christopher Squire
Elizabeth Garratt
Robin Powell
Jaroslaw Mazur
Paul Muyser
**Melissa Spencer
**Vivienne Ivory
Anne Marie Miller

Christian Tribbe
Aaron Beer
Russell Smith
**Rosalind Archer
**Karen Willcox
Adam Barker
Deborah Wilton
Phillip Neary
Nicola Barfoot
Catherine M Reid
Janine Pritchard
Nicola Barfoot
Mark Dawson
Stephanie Ellis
Sarah Hill
Vanessa Hamm
Natalie Walsh
Matthew Harris
Miko N Bradford
David J Ward
Mac Imrie
**Kirstin Hanna
**Vanessa Taler
Allison Fyers
Elizabeth Graham
Edwina M Murphy
Johanna Honeyfield
Philip R N Brownlee
Andrew Collins
Carlene J Todd
Stephen Finlay
Rowan B Killip
Graham R Denyer
Craig P Bond
Sean McLaughlan
Anne Potts
Christopher Heath
Victoria Kellett
Miriam Ransom
Meegan Davis
Cordula V Haugh
Nicola Chong

Daniel Salek
Christopher J Waters
Matthew D Orange
The University of Auckland Malaysian, Hong Kong, Singapore Scholarships

Trans Power Scholarship in Power Systems Engineering

George Turner Wilson Music Trust Scholarships
  Senior Award
  Junior Award

Maxwell Walker Memorial Scholarship, 1994

The University of Auckland Doctoral Scholarships

The University of Auckland Maori & Polynesian Graduate Scholarships

The University of Auckland Masters/Honours Scholarships
THE UNIVERSITY OF AUCKLAND PRIZES for 1993

Agfa Awards in Photography
Andrew Memorial Prize

ANNUAL PRIZES

Accounting & Finance
Ancient History
Applied Mathematics
Architecture
Asian History
Asian Politics
Biochemistry
Cellular & Molecular Biology
Chemistry
Chinese
Commercial Law (Commerce)
Commercial Law (Law)
Computer Science
Economics
Education (Education)
Engineering:
  Chemical & Materials
  Civil
  Electrical & Electronic
  Engineering Science
  Mechanical
English
Equity & Succession (Law)
Fine Arts
French
Geography
Geology
German
Greek
History
Human Biology (BHB II)
Indonesian
Italian
Japanese
Korean
Land Law (Law)
Latin
Maori Studies
Management Science & Information Systems
Management Studies & Labour Relations
Marketing & International Business
MBChB
Music
Optometry
Pharmacology
Philosophy
Physics
Physiology
Planning
Political Studies
Property

Ann Shelton
Marcus Williams
Andrew Prentice

Wendy Boxall
**Simon Coates
**David Harvey
Shing-Hoi Lee
Jamie Sanderson
Scott Abel
Bradley D Swann
David J Titheridge
Sheryl L J Hawkes
Simon R W Chan
**David Thompson
**Rachel Tee
Melissa A Mason
**Gary Warren
**Katharine O’Leary
Robert W O’Callahan
William Wallace
** Philip Keith
** David Thompson
Melanie Griffin

Kerry J Williamson
**Jonathon K Burden
**Kerry G McCollum
Nicholas D Hamblin
Rosalind A Archer
Adam R Barker
**Leah Henderson
**Katherine Heslop
Matthew Conaglen
Dean Poole
Sarah L Mayo
**Kathleen M Bunting
**Tarne I L Gracefield
Sophie J Pezaro
Claire L T Speedy
** Simon Coates
** Sandra Hartnell
Christopher Hilliard
Laura Young
**Angela Dalzell
**Jean-Claud Ortscheid
Kathleen R Clist
**Dennis Mullan
**Michael Radich
** Geoffrey Barrett
** Kim Toddun
Andrew Fraser
Thomas Rutledge
**Jeanette Hollyman
** Ian Hunter
Ruth S De Silva
** Elizabeth Graham
** Richard L Parker
Sarah O'Brien
Parnjot K Bains
Thomas H Pierard
Cara Lowe
Joanne Dalton
**Timothy R Rayner
** Andrea L Spurdle
** Lara Wilcocks
** Jacob Dunningham
David J Titheridge
Vanessa Berry
Vera McFadyen
Sheryl Boshier
Psychology
Pure Mathematics
Russian
Scandinavian Studies
Sociology
Spanish

Antarctica 150 Prize in Environmental Science
Philip Sidney Ardern Memorial Prize
John Asher Prizes in German Literature:
  Stage I
  Stage II

Asian History Award
Auckland Brick Manufacturers Prizes:
  First
  Second

Auckland Goethe Society Prize in Medieval German Studies
Auckland Town Planning Association Prize in Town Planning
Barrtrum Memorial Prize in Geology:
  Honours
  Stage III
Beca Carter Hollings & Ferner Engineering Prizes

BHP New Zealand Steel Prizes
  Civil
  Mechanical

Brokers' Prize for Civil Procedure
Dennis Brown Prize in Experimental Physics
Vernon Brown Memorial Award
Alice Bush Memorial Prize in Paediatrics
Bulland Prize

R Morrison Cassie Memorial Prize
Robert Chapman Prize in Political Studies
Chisholm Memorial Prize
Ciba-Geigy Prize in Applied Pharmacology & Therapeutics
CIMA Prize in Management Accounting

Clarkson Measured Drawing Prize
Collins Prize in Mathematics & Statistics
Concrete Prize
  (Eng)
  (Arch)

Coopers & Lybrand Prizes in
  Accounting a)
  Accounting b)
  Accounting Information Systems
  Financial Management
  Graduate Award
  Undergraduate Award

Tony Cotton Memorial Prizes

Philip Graham Crabbe Memorial Prize
Kenneth B Cumberland Prize
Gary Davies Memorial Prizes
Davies-Sproule Memorial Prize

Deloitte, Touche Tohmatsu Prizes in Advanced Financial Accounting:
  First Prize
  Second Prize

Deloitte Touche Tohmatsu Prize in Taxatio
Ernst & Young Prize in Cost and Management Accounting
Ernst & Young Prize in Financial Accounting
ESR Prize
Forensic Medicine Essay Prize
Fowlds Memorial Prizes:
  Arts
  Commerce
  Education
  Engineering
  Fine Arts
  Music
  Science

Virginia Braun
Richard Evans
Clare A M Ancliffe
Jeremy J Miocevic
Jane Massey
Mai B Dahl

Lois Easton
Danielle Carter
**Miles Bailey
**Tania Scott
**Sarah Kerr
**Sarah Wood
Sandran Balan

Amanda Bulman
**Matthew Brew
**Stephen King
Andrew Irving
Robin Brenstrum
Barry M O'Connor
Andrew H Menzies
Susan M Bradley
John P O'Sullivan
Annette F Wilson

Samir Kanji
Susan Bradley
Paul Wicks
Tessa Phillips
Rachel Carley
Margo J Peart
**Fhiona D Barrett
**Jonathan P Christiansen
Jennifer R Kerr
Karen Murphy
Thomas Gill
Martin L D Gunn
**Bruce Bernacchi
**Reginald Singh
Caroline Tyrrell
Shing-Hoi Lee
Kerry McCollum
**Sharon Donn
**Giles Reid
David McKenzie
Sze Mun (Apul) Kwong
Justine M Russell
Gareth James
Chris Kyle
Hui Hua Chua
Reghan Hill
**Kerry R Titchener
**Martin R Workman
**Miko N Bradford
**Simon J Penlington
**Christopher Holdaway
**Lois Nixon

Angela Anderson
Wendy Boxall
Kathryn Marshall
Ka Yee Pou
Ka Yee Pou
Rosalind Archer
Janine J Whale

Matthew C Hyland
Peter G Fitzsimmons
D Helene Connor
Anthony J van Erp
John Lyall
Reuben de Lautour
**Shing-Hoi Lee
**Philip J C Smith
**Simon J Webb
Student Allowances, Student Loans, Scholarships and Awards

Eric Hector Goodfellow Memorial Prize
James Gordon Goodfellow Memorial Prize

Rosemary Grice Memorial Prize
Gulf Resources Pacific Award
Hubens Prize
Huydon Prize
W E Henley Prize in Clinical Medicine
Holmes Consulting Group Structural Engineering Prize
George S Holmes Memorial Prize
George Hopkins Prize
IEEE Prize

Ilford Photography Prize
IRHACE Prize - nominations -
A C Keys Memorial Prize
Kodak Photography Prizes
T L Lancaster Memorial Prize in Botany (biennial award for 1993)
Law Book Company Ltd Prize
Leukaemia & Blood Foundation Prize in Immunobiology
Desmond Lewis Memorial Prize in International Law
Arnold Lillie Prize in Geology
Maineal Construction Studies Prize
Manufacturing Engineering Prize
Roland Marlyn Prize in German Literature
Masonic Prize in Geriatric Medicine
Dr R G McElroy Prize
Janetta McStay Prize for Pianists
Douglas Mews Composition Prize
Monier Prizes
First Prize
Second Prize
Third Prize

Kingsley Mortimer Memorial Prize
David R Mummery Memorial Prizes
L D Nathan Lid Prize in Marketing
New Zealand Automobile Assoc Prize in Traffic Engineering
New Zealand Computer Society Prize
New Zealand Institute of Architects Prizes
Second Year
Third Year
Fourth Year
Fifth Year

New Zealand Institute of Chemistry (Auckland Branch) Prize
New Zealand Institute of Valuers Prize
New Zealand Society of Accountants Prizes
First Prize
Second Prize
Third Prize

01.200 and 01.203
01.100 and 01.101
New Zealand Solar Action Prize
New Zealand Stock Exchange Prize
F E R Noble Memorial Prize
J D K North Prize in Clinical Medicine
W S O'Connell Prize in Economic History
Otago School of Mines Prize in Mining Engineering
Oxford University Press Prize in Public & Administrative Law
Panasonic Prize in Video Production
Pathology Prize
KPMG Peat Marwick Prizes in Auditing
First Prize
Second Prize

Potter Interior Systems Prizes in Architecture
Third Year
Fourth Year

Geoffrey Powell Prize
Pre-Clinical Prize in Behavioural Science
Property Management Institute Prize
First Prize
Second Prize

D W Pullar Prize

Darren Hunt
**Rosalind Archer
**Karen Willcox
Tabatha Forbes
Jonathan Bayley
D Helene Connor
David Hastings
Bryn P Thompson
Jonathon Burden
William R Webb
Justine Bristow
**David Biggs
**Russell Smith
Belinda Fowler
**Arthur Gillingham
**Michael Reeve
Aladna Harunani
Tina Henderson
No Award
Anna Sanderson
Coral A Morrison
**Adam Mikkelson
**Juliet Moses
Weng Chan
James Hosking
Christopher R Simpson
Lyne Craig
Craig Hjorring
Nicola Barfoot
Fhiona D Barrett
Matthew Conaglen
Michelle Page
Jeremy Sickling
**Harvey Duncan
**Ranji Huang
Paul Jurasovich
John R Moller
Hanne Janes
Sarah O'Brien
Aaron Beer
Keith S Wansbrough
Lisa Day
Giles Reid
Thomas Gill
Michaela Sangl
Michael Seth
Jonathan Bayley
Michelle Frost
Gail Nel
Lara Blomfield
Ka Yee
David McKenzie
Lianne Cox
Adam J Boyd
Neil Poulton
Owen C Raffel
Benjamin H Preston
Peter Doelman
Matthew Conaglen
Tobias Curnow
Martin L D Genn
Michelle Frost
Melanie Switzer
Kim Martin
Sean Sanderson
Miko N Bradford
Donald Hanna
Reuben Chapple
Neil Poulton
Andrea Luk
Real Estate Institute Prize
Richards Prize in Primary Health Care
Douglas Robb Prize
Carrick Robertson Prize
Roche Prize in Psychiatry
Christine Roigard Memorial Prize

Royal NZ College of General Practitioners Prize
Rudd, Watts & Stone Prize for Income Tax
Sagar Geophysics Prize
Sandoz Prize in Pharmacology
Cecil M Segedin Prize in Engineering Science
SETMA Timber Engineering Prize
Lallu Ram Sharma Prize in Pacific Legal Studies
SmithKline Beecham Prize in Physiology
Yvonne Sogno Prizes in Finance

Spicer & Oppenheim Prize
Tamaki Masonic Prizes

John Tinline Prize in English
A L Titchener Prize
H B Turbott Prize in Community Health
G W Eaton Turner Prize
Paul Turtill Memorial Awards in Geology:
  Best Student Geology II
  Second Award Geology II

Valuers Registration Board Prize
Vibrations Association of New Zealand Prize

Selichi Waki Prize in Physics
Wallath Prize
W D Wilson Prize
Maharaya Winiata Memorial Prize
1928 Staff Award in Mechanical Engineering

Mark Sandford
Heather D M Gardner
Lynnette M Ashby
Michael J France
Megan M Cornere
Sarah Kerr
Campbell Rose
Lynnette M Ashby
Richard Howse
Carlo Laing
Weng Chan
Charlotte Broom
Jonathon Burden
Paul Heaslip
Sonja Bastin
Tracey Fromow
Gareth James
Kanny Ooi
Gail Nel
Yeuk Lan Mak
Anthony B Fuller
Andrew Reid
Danielle Carter
Christian Tribbe
Karen L Buckingham
Pieter Doelman

Alison Sprott
Stephen M Bradley
Margaret E Hobbs
Neil Poulton
James Flexman
David Lee
Murray Olsen
Alan G Crowther
Prue Fea
Kawiri Taonui
Adam Barker
## Prescribed Texts

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PRESCRIBED TEXTS

Introduction
Prescribed texts are those texts that students should purchase. The list of prescribed texts for 1995 which is set out below in alphabetical subject order is not exhaustive. Additional books may be prescribed during the year. Further lists of such prescribed books may be obtained from the appropriate department. Recommended books are those books which students may purchase if desired. Lists of recommended books and additional reading guides may be obtained from the appropriate departments.

ACCOUNTING
Accounting I
01.100, T01.100 A.M. Teixeira & D.M. Emanuel, Accounting in New Zealand (Wiley, 1990).
T01.104 To be advised.

Accounting II
01.200, T01.200 Study Guide to be purchased at enrolment.
01.205, T01.205 A. Shapiro, Modern Corporate Finance, 1st edn (Macmillan, 1990).

Accounting III
01.300, T01.300 Coursebook 1995 to be purchased at enrolment.
01.301, T01.301 Neale and Munroe, Auditing, Contemporary Accounting, Theory and Practice, 2nd edn; NZSA, Auditing Standards.
01.308 J. Hull, Introduction to Futures and Options Markets, 1991 edn (Prentice-Hall International)

ANCIENT HISTORY
Ancient History I

Ancient History II
12.211 Texts to be supplied by the Department.
12.221 G. Roux, Ancient Iraq, 2nd edn (Pelican); S. Dalley, Mari and Karana (Longman).
12.224 See Philosophy Department 29.204.

ANTHROPOLOGY
Anthropology I
03.100 C. Turnbull, The Forest People, Pimlico; M. Howard, Contemporary Cultural Anthropology. (Harper).
03.101 B.M. Fagan, People of the Earth: An Introduction to World Prehistory, 7th edn (Little Brown); M. Hanson, Apes and Ancestors (Longman Paul).
03.102 R. Walker, Ka Whawhai Tonu Matou: Struggle Without End (Penguin).
03.107 R. Moyle, Polynesian Music and Dance (Pacific Studies, University of Auckland, 1991)

Anthropology II
03.200 R. Firth, We, the Tikopia.
03.201 P. Swadling, Sepik-Ramu (PNG Nat. Mus.).
03.206 M.P. Weaver, The Aztec, Maya and their Predecessors: Archaeology of Mesoamerica, (University of Oklahoma Press, 1993 Revised edn.); C.K. Maisels The Emergence of Civilisation (N.Y. Routledge 1993)
03.208 J. Davidson, Prehistory of New Zealand (Longman Paul); D.G. Sutton, The Origins of the First New Zealanders, 1st edn (A.U.P., 1994).
03.214 E. Wolf, Europe and the People Without History (Univ. of Calif. Press).
03.215 C. Renfrew & P. Bahn, Archaeology: Theories, Methods and Practice (Thames & Hudson).
03.219 C. Brettell and C. Sargent (eds.), Gender in Cross-Cultural Perspective (Prentice-Hall)

Anthropology III
03.308 B.G. Trigger, A History of Archaeological Thought (C.U.P.).
AConcise History of New Zealand Painting (Bateman, 1991).

**ASIAN POLITICS**
See Political Studies.

**ASIAN STUDIES**
See relevant entry under Chinese, Indonesian, Japanese or Korean.

**AUDIOLOGY**

**BIOLOGICAL SCIENCES**

**Biological Sciences I**

**Biological Sciences II**

**CHEMISTRY**

**Chemistry I**
08.121 P.W. Atkins, *General Chemistry*, 2nd edn (Scientific American Books); *Laboratory Manual* (available at commencement of laboratory session).
T08.171 M.M. Bloomfield, *Chemistry and the living organism*, 5th edn. (Wiley and Sons); *Laboratory Manual* (available at the commencement of laboratory session).

**Chemistry II**
08.250 *Laboratory Manual* (available at commencement of laboratory session).

**Chemistry III**
08.310 P.W. Atkins, *Physical Chemistry*, 4th or 5th edn (Oxford); *Laboratory Manual* (available at commencement of laboratory session).
08.311 P.W. Atkins, *Physical Chemistry*, 4th or 5th edn (Oxford); *Laboratory Manual* (available at commencement of laboratory session).

**Prescribed Texts**
545
Chemistry for MSc

Information available from the Department.

CHINESE

For papers not listed below course materials and advice about recommended books will be supplied by the Department.

Chinese I


48.107 Xiandai Hanyu Cidian (Commercial Press, Beijing); Xianggangren Zixue Putonghua (Joint Publishers, Hong Kong); Chinese Romanization: Pronunciation and Orthography (Sinolingua, Beijing); Guangzhouhua-Putonghua: Kouyuci Duiyi Shouce (Joint Publishers, Hong Kong).

Chinese II


48.203, 97.200 Confucius, the Analects (Penguin); Lao Tzu, Tao-te Ching (Penguin); further materials supplied by the Department.

Chinese III


CLASSICAL STUDIES

Classical Studies I


Classical Studies II

73.220 Aristophanes, Three Comedies (ed.) W. Arrowsmith (U. of Michigan); Plautus, The Rope and Other Plays, tr. E.F. Watling (Penguin Classics); Plautus, The Darker Comedies, tr J. Tatum (Johns Hopkins Press).

COMMERCIAL LAW

Commercial Law I

02.100, T02.100 Law in Business and Government (Palatine, 1995)

02.101, T02.101 To be advised.

Commercial Law II

02.200, T02.200 Nicoll & Perkin, Contract Law in New Zealand (CCH, 1992); Restitution in Commercial Law (Palatine, 1993).

02.201, T02.201 Farrar & Borrowdale, Commercial Law in New Zealand, (Butterworths).


02.204 Law in Business and Government (Palatine 1995).


Commercial Law III


02.303 New Zealand Companies & Securities Legislation, latest edn (Commerce Clearing House).

02.308 To be advised.


07.100 J. Lobb & R. Lobb, Pascal Exercises 1995 and Selected User Notes, (Both available only from the School of Mathematical and Information Sciences, Student Resource Centre).

07.105 R.L. Kruse, Programming with Data Structures (Pascal Version) (Prentice-Hall).


Computer Science I


07.231 Thomas A. Standish, Data structures, algorithms, and software principles.


Computer Science II


07.302 F. Halsall, Data Communications, Computer Networks and OSI, 2nd or 3rd edn (Addison-Wesley).


07.330 B. Hutton, Language Implementation Lecture Notes 1994 (Available only from the School of Mathematical and Information Sciences, Student Resource Centre).


07.353 S.B. Lippman, AC++ Primer (Addison-Wesley).


Computer Science for MSc

07.411 See Department.


07.445 C. Calude, Information and Randomness: An Algorithmic Perspective (Springer Verlag).

07.460 Winston & Horn, Lisp 3rd edn, (Addison-Wesley).

Note: Refer to The Computer Science Handbook for the recommended reading list for all papers.

DUTCH

Further materials may be supplied by the Department.

Dutch I

421.100 Levend Nederlands, rev. edn (C.U.P.).

Dutch II

421.200 Multatuli, Max Havelaar (Penguin).
ECONOMICS

Economics I

Economics II

Economics III

Economics MA/MCom/BCom (Hons)

EDUCATION

Education I

Education II

Education III

Education for MA, MEd and Honours
(b) Psychology of Reading: Singer and Ruddell, *Theoretical models and processes of reading*, 3rd edn (International Reading Association).


14.441 S. Morgan, My Place, (Fremantle Arts Centre Press, 1987).


14.457 A.J. Bishop, Mathematical Enculturation (Klewer Academic).


**ENGINEERING**

Lists of prescribed texts are available from the School of Engineering.

**ENGLISH**

Notes: Prescribed texts for papers not listed below and recommended texts are included in the book list available from the Department. Students are also advised to check with the Department for any changes to texts. All students should possess a good dictionary: the Concise Oxford or Collins English Dictionary are recommended. Students will also find Abrams, A Glossary of Literary Terms and Holman, A Handbook to Literature useful.

**English I**


18.101 Poetry: G. Moore (ed.) The Penguin Book of American Verse (revised edition). Fiction: J. Joyce, Dubliners (Granada); W. Faulkner, As I Lay Dying (Penguin); J. Rhys, The Wide Sargasso Sea (Penguin); T. Pynchon, The Crying of Lot 49 (Picador); M. Laurence, The Diviners (Virago). Drama: A. Chekhov Plays trans R. Hingley (Oxford); B. Brecht, The Threepenny Opera (Methuen); S. Beckett, Waiting for Godot (Faber); T. Williams, A Streetcar Named Desire (Norton or Methuen); C. Keatley, My Antonia (Penguin); J. Frame, Faces in the Water (Women's Press); N. Te Awekotuku, Tahuri (Women's Press); A. Wendt, Pouliuli (Penguin); Renee, Jeaninne Once (V.U.P.); V. O'Sullivan, Billy (V.U.P.); S. Hoar, Squatter (V.U.P.); B. Stewart, Broken Arse (V.U.P.)

18.103 The same texts as 18.102.

18.104 J. Austen, Northanger Abbey (Penguin); E. A. Poe, The Fall of the House of Usher & Other Writings (Penguin); E. Bronte, Wuthering Heights (O.U.P. World's Classics); C. Dickens, Great Expectations (Penguin); M. Twain, The Adventures of Huckleberry Finn (Penguin); T. Hardy, Tess of the d'Urbervilles (Macmillan ppb).

18.106 E. Finegan, N. Besnieri et al., Language: Its structure and Use (Harcourt, Brace, Jovanovich).


Drama: W. Shakespeare, King Lear (New Penguin Shakespeare); E. O'Neill, Long Day's Journey Into Night (Nick Hern); S. Beckett, Endgame (Faber); Renee, Wednesday to Come (V.U.P).

18.108 L. Carroll, The Annotated Alice; L.M Alcott, Little Women (both Penguin); M. Twain, The Adventures of Tom Sawyer; R. Kipling, Stalky & Co; E. Nesbit, Five Children and It (all O.U.P. World's Classics); B. Potter, The Tale of Mr Tod, (F. Warne); L.M. Montgomery, Anne of Green Gables (Puffin); E. Blyton, Five Get Into A Fix (Penguin); C.S. Lewis, Prince Caspian (Puffin); E.B. White, Charlotte's Web (Puffin); B. Cleary, Beezus and Ramona (Puffin); M. Mahy, The Chewing Gum Rescue and other stories (Mammoth); The Changelover (Puffin); R. Westall, The Machine-Gunners (Piper).


**English II**


18.206 T. Crowley, An Introduction to Historical Linguistics, 2nd edn (Oxford); J. Holmes, An Introduction to Sociolinguistics (Longman).


18.213 Shakespeare, Othello, King Lear, Macbeth (all New Penguin Shakespeare ppbs); Anthony and Cleopatra (Oxford Shakespeare: World's Classics pp); Marlowe, Complete Plays (Penguin); Anon, Arden of Faversham; Tourneur, The Revenger's Tragedy; Webster, Duchess of Malfi; Middleton, The Changeling (All New Mermaid); A. Gurr, The Shakespearean Stage (Cambridge pp).

18.220 W. Cather, My Antonia (Virago); T. O'Brien, The Things They Carried (Fontana/Collins); E. M. Forster, A Passage to India (Penguin); V. Woolf, To the Lighthouse (Penguin); J. Barth, The Floating Opera/The End of the Road (Anchor/Doubleday); G. Greene, The Comedians (Penguin); E. L. Doctorow, Ragtime (Picador); K. Ishiguro, The Remains of the Day (Faber); L. Erdrich, Tracks (Picador); M. Atwood, Cat's Eye, (Virago); V. Nabokov, Lolita (Penguin).

18.221 M. Orbell (ed.), Waiata: Maori Songs in History (Reed); A. Calder (ed.), The Writing of New Zealand (Reed); H. Melville, Typee (Penguin); J. Devanny, The Butcher Shop (A.U.P.); J. Belch I Shall Not Die (Allen & Unwin); W. Ihimaera, The Matriarch (Picador); either V. O'Sullivan (ed), An Anthology of Twentieth-Century NZ Poetry (O.P.U.) or I. Wedde & H. McQueen (eds), The Penguin Book of New Zealand Verse (Penguin); K. Mansfield, Selected Stories, D. Davin (ed.) (O.U.P.); or K.Mansfield, Collected Stories (Penguin); or K. Mansfield, The Stories of Katherine Mansfield A. Alpers (ed.) (OUP); F. Sargeson, The Stories of Frank Sargeson (Penguin); P. Grace, Potiki (Penguin); J. Frame, Faces in the Water (Women's Press); N. Te Awekotuku, Tahuri (Women's Press); A. Wendt, Pouliuli (Penguin); Renee, Jeaninne Once (V.U.P.); V. O'Sullivan, Billy (V.U.P.); S. Hoar, Squatter (V.U.P.); B. Stewart, Broken Arse (V.U.P.)

18.222 W. B. Yeats, Selected Poems, Jeaffres (ed.) (Pan); R. Frost, Selected Poems, I. Hamilton (ed.) (Penguin); E. Pound,
18.302 L. D. Benson (ed.), The Riverside Chaucer (O.U.P.); R. H. Henryson, Poems (O.U.P.); A. C. Cawley & J. J. Anderson (eds), Pearl, Cleanness, Patience, Sir Gawain and the Green Knight (Everyman).
18.304 E. Gordon & T. Devenson, New Zealand English (Heinemann) (currently out of print but in plentiful second-hand supply); E. Gordon & T. Devenson, Finding a New Zealand Voice (New House); A. Bell & J. Holmes (eds), New Ways of Speaking English (V.U.P.).
18.305 D. A. Cruse, Lexical Semantics (C.U.P.); S. C. Levinson, Pragmatics (C.U.P.); J. Lyons, Semantics, vols. I & 2 (C.U.P.); J. Aitchison, Words in the Mind (Blackwell); G. Lakoff, Women, Fire and Dangerous Things (Chicago U.P.);
18.306 J. Swift, The Works (O.U.P.); W. Wordsworth, Selected Poems, W. Davis (ed.) (Everyman);
18.310 A Midsummer Night's Dream, Much Ado About Nothing, As You Like It, All's Well That Ends Well, Measure for Measure, The Winter's Tale, The Tempest (all Penguin); Cymbeline (Methuen).
18.319 Russell & Winterbottom (eds.), Classical Literary Criticism (World's Classics); P. Sidney, A Defence of Poetry, Van Dorsten (ed.) (Oxford pb); S. Johnson, Selected Writings (Penguin); S. T. Coleridge, Biographia Literaria (Everyman); M. Arnold, Selected Prose (Penguin).
18.320 C. Dickens, Bleak House, David Copperfield (both Penguin); C. Bronte, Jane Eyre (O.U.P. World's Classics); G. Eliot, Silas Marner (Penguin), Middlemarch (O.U.P. World's Classics); A. Tennyson, Selected Poetry (ed.) D. Bush (Random House); W. M. Thackery, Vanity Fair (O.U.P. World's Classics); T. Hardy, Jude the Obscure (Penguin); O. Wilde, The Picture of Dorian Gray (Penguin), The Importance of Being Earnest (Methuen); J. S. Mill, The Subjection of Women (M.I.T.); M. Arnold, Selected Poems and Prose (ed.) M. Allott (Dent/Everyman); L. Carroll, Alice in Wonderland & Through the Looking Glass (Everyman Library).
18.325 G. M. Marquez, One Hundred Years of Solitude (Penguin); S. Rushdie, Midnight's Children (Penguin); R. K. Narayan, The Vender of Sweets (Penguin); N. wa Thiong'o, A Grain of Wheat (Heinemann); A. K. Arman, The Beautiful Ones Are Not Yet Born (Heinemann); S. Ousmane, The Last of the Empire (Heinemann); A. A. Aido, Our Sister Killjoy (Longman); T. Salihi, Season of Migration to the North (Heinemann); J. M. Coetzee, Age of Iron (Penguin); N. Gordiner, My Son's Story (Penguin); V. S. Naipaul, Guerrillas (Penguin).
18.326 W. Shakespeare, Othello, Richard the Third, The Tempest, As You Like It, Much Ado About Nothing, Hamlet (Penguin); B. Shakespeare, Macbeth (Penguin); T. Wilson, Julius Caesar (Penguin).
18.327 P. White, Riders in the Chariot, A Fragile of Leaves; C. Stead, The Man Who Loved Children (all Penguin); T. Astley, Reaching Tin River (Minerva pb); E. Jolley, Cabin Fever (Penguin); B. Hanranan, The Frangipani Gardens (UQP pb); K. Grenville, Joan Makes History (O.U.P pb); P. Carey, Oscar and Lucinda (O.U.P pb); P. Coffey, The Buddha of Suburbia (Picador).
18.330 J. Arden, Plays: Two (Methuen); B. Brook, Plays: Three (Methuen); H. Brenton, Plays: One (Methuen); C. Churchill, Plays: Two (Methuen); T. Wertenbaker, Our Country's Good (Methuen); B. Friel, Selected Plays (Faber); A. Fugard, Selected Plays (Oxford U.P.).
18.333 S. Davis & R. Haley (eds.), The Penguin Book of Contemporary New Zealand Short Stories (Penguin); M. Gee, Going West (Faber & Faber); K. Hulme, Bait (Picador, 1994); E. Knox, Treasure (V.U.P.); A. Kennedy, Musica Ficta (University of Queensland Press); W. Ihimaera, Bulliasha (Penguin); S. Johnson, Crimes of Neglect (New Women's Press); V. O’Sullivan, Let the River Stand (Penguin).
18.335 R.M. Ballantyne, Coral Island (World's Classics); A. Campbell, Stone Rain: The Polynesian Strain (Hazard Press); H. Melville, Typee & Omoo (Dent); J. Pule, The Shark that Ate the Sun (Penguin); R.L. Stevenson, Island Landfalls (Canongate); I. Wedde, Summer of the Seventeenth Doll; D. Hewett, The Man from Mukinupi; S. Sewell, The Blind Giant is Dancing (all Currency Press).
Steppard, After Morgenite, Artist Descending a Staircase & Where Are They Now? (all Faber). Further texts will be prescribed at the beginning of 1995.


18.415 Clarel (Northwestern University Press); Typee, Omoo, Mardi (Library of America, Vol 1); Redburn, White-Jacket, Moby-Dick (Library of America, Vol 2); Pierre, Israel Potter, The Plaza Tales, The Confidence Man, Uncollected Prose, Billy Budd (Library of America, Vol 3).


B. Stewart, Broken Arse (V.U.P.); S. Garrett (ed.), He Reo Hou (Playmarket).

18.418 Holmes, Leviathan, MacPherson (ed.), (Penguin); J. Dryden, A Selection, Grant (ed.), (Penguin); Lawrence (ed.), Restoration Plays (Everyman Classics).


18.420 J. Dennis & J. Bieringa (eds.), Film in Aotearoa New Zealand (V.U.P.); R. Lapsley & M. West, Film Theory: An Introduction (Manchester University Press).

18.430 J. Austen, Persuasion; A Bronte, The Tenant of Wildfell Hall; C. Bronte, Villette (all O.U.P./World Classics); G. Jewsbury, The HalfSisters (O.U.P. World’s Classics); E. Gaskell, Cranford/ Cousin Phillis, (Penguin), North and South (O.U.P./World’s Classics); G. Eliot, Daniel Deronda, The Mill on the Floss (both O.U.P./World’s Classics); O. Schreiner, The Story of an African Farm (O.U.P./World’s Classics); M. Caird, The Daughters of Danaus ( Feminist Press); C. Perkins Gilman, The Yellow Wallpaper & Other Writings (Bantam).

18.432 G. MacDonald, At the Back of the North Wind; F. H. Burnett, The Secret Garden (Penguin); J.R.R. Tolkien, The Hobbit (Grafton); E.S. Nesbit, The Enchanted Castle, (Penguin); M. Mayh, The Haunting, The Tricksters (Mammouth).


18.434 J. P. Harrington (ed.), Modern Irish Drama (Norton); J. Joyce, Portrait of an Artist (Paladin); F. O’Brien, At Swim Two Bridges (Faber); T. Cusack & Ross, The Real Charlotte (Arrow pb); E. Bowen, The Last September (Penguin); W. Trevor, Fools of Fortune (Penguin); F. McGuinness, Observe the Sons of Ulster (Faber pb.); S. Heaney, Poems: New Selected (Faber); O’Casey, Three Plays (Pan); J. Joyce, Dubliners (Penguin pb.); B. Friel, Making History Translations (Faber pb); W.B. Yeats, Collected Poems (MacMillan); S. Heaney, North (Faber).

18.435 Homer, The Odyssey trans. Lattimore (Harper & Row); The Bible: W. Shakespeare, Twelfth Night (Penguin); L. Tolstoy, Anna Karenina (Penguin); A. Chekhov, Plays (Penguin); J. Joyce, Ulysses (Penguin Annotated Edition); V. Nabokov, Ada (Vintage); J. Barth, Chimera (Fawcett); A. Spiegelman, Maus (Penguin). Note re Bible text: King James Version or Revised Standard Version or New Revised Standard Version (but not New English Bible, Good News Bible, etc.).


ENVIRONMENTAL SCIENCE


FILM & TELEVISION STUDIES


FRENCH

French I

34.100 Omaggio, Kaleidoscope, 3rd edn; Cahier d’exercices (Random House).

34.101 Prévert, Paroles (Folio-Gallimard); Ionesco, La Cantatrice chauve (Folio-Gallimard); Giono, Un de Baumagnes (L.P.); Departmental material.

34.151, 34.152 Terrell et al., Deux Mondes; Cahier d’exercices, 2nd edn (Random House).

French II

34.200 J. Ollivier, Grammaire française (H.B.J.); Departmental material.

34.201 Mérimée, Colomba (Garnier-Flammarion); Mauriac, Théâtre Desqueyroux (L.P.); Camus, Noces (Folio); Giraudoux, La Guerre de Troie n’aura pas lieu (Larousse).

34.203 Chateaubriand, René (Garnier-Flammarion); Hugo, Ray Blas (Nouveaux Classiques Larousse); Musset, Lorenzozoccio (Bordas); Sand, La Mare au diable (Garnier-Flammarion); Departmental material.

34.214 P. Léon, Introduction à la phonétique corrective (Hachette/Larousse); B. Trelan, The Sounds of French (C.U.P.).

34.218 H. Walter, Le Français dans tous les sens (Robert Laffont); M. Offord, Varieties of Contemporary French (Macmillan); H. Walter, French Inside Out (Routledge).

French III

34.300 Whitmarsh & Jukes, New Advanced French Course.

34.306 Douin de Lavesne, Trubert (Droz); Einhorn, Old French (C.U.P.).

34.309 Stendhal, Le Rouge et le noir (Garnier); Flaubert, Madame Bovary (Classiques Garnier); Zola, Au bonheur des dames (Garnier-Flammarion); Beauvoir, L’Invitée (Folio Gallimard); Duras, L’Amant (Ed. de Minuit).

34.310 Moïriére, Le Malade imaginaire / Don Juan; Corneille, L’Illusion comique / Le Cid; Racine, Andromaque; Marivaux, Le Jeu de l’amour et du hasard; Beaumarchais, Le Mariage de Figaro (All Bordas).
GEOGRAPHY
For papers not listed below, see the Department of Geography Students Guide available from the Secretary which lists recommended texts.

Geography I

GEOLOGY
Geology I

Geology II

Geology III
21.314 Intending students should consult with the Department.
21.324 Intending students should consult with the Department.

GERMAN
All students and especially those intending to advance in German are strongly recommended to acquire Pasley (ed.), Germany, a Companion to German Studies (Methuen). Further materials may also be supplied by the Department.

German I
22.100 Walker et al., Assoziationen (McGraw-Hill).
22.101 A reader supplied by the Department.
22.102 Kafka, Metamorphosis & Other Stories (Minerva); Fontane, Effi Briest (Penguin); J. & W. Grimm, Selected Tales (Penguin); T. Mann, Mario the Magician and Other Stories, (Penguin).
22.103 Paxton, Teach Yourself German Grammar - A Modern Guide. ( Hodder & Stoughton); Collins-Klett German-English Dictionary, Vol. I (Collins).

German II
22.200 Terrell et al., Collins German-English/English-German Dictionary (Collins); Paxton, Teach Yourself German Grammar - A Modern Guide. ( Hodder & Stoughton); a reader supplied by the Department.
22.202 Andersch, Sansbar (Diogenes Taschenbuch); Rilke, Neue Gedichte (Insel Taschenbuch); Brecht, Leben des Galilei (Ed. Suhrkamp); F. Dürrenmatt, Die Physiker (Diogenes); Kafka, Die Söhne, Drei Geschichten (Fischer Taschenbuch); Herd & Obermayer (eds.), A Glossary of German Literary Terms (Otago).
22.203 Clyne, Language and Society in the German-Speaking Countries (C.U.P.).

German III
22.300 R. & U. Hoberg, Der kleine Duden - Deutsche Grammatik (Duden); E. Hackl, Abschied von Sidonie (Diogenes); Maron, Flugsache (Fischer Taschenbuch); Dürrenmatt, Das Versprechen (dtv); Schwaiger, Wie kommt das Salz ins Meer (rororo).
22.301 Paul & Boneh (eds.), Hartmann von Aue, Der arme Heinrich, 15th edn (Niemeyer); Asher, A Short Descriptive Grammar of Middle High German (AUP/OUP); Goethe, Faust. Der Tragödie erster Teil (Reclam); Boyle, Goethe. Faust Part One (C.U.P.).
22.302 Brüder Grimm, Ausgewählte Kinder-und Hausmärchen; Kleist, Die Marquise von O... Das Erdenbe in Chili; Chamisso, Peter Schlemihls wundersame Geschichte; Droste-Hülshoff, Die Judenbuche (Ullstein); T. Mann, Buddenbrooks (Fischer Taschenbuch).
22.350 Sykes & Scholze-Stubenrecht (eds), The Oxford-Duden German-English/English-German Dictionary (Clarendon Press).

MA and Honours
22.400 Dudenredaktion, Deutsches Universälworterbuch (Duden); Hammer & Durrell, German Grammar and Usage, 2nd edn (Arnold); Sykes & Scholze-Stubenrecht (eds.), The Oxford-Duden German-English/English-German Dictionary (Clarendon Press).
22.408 Andersch, Die Rote (Diogenes Taschenbuch); Grass, Die Blechtrommel (Luchterhand Taschenbuch); Böll, Die verlorene Ehre der Katharina Blum (dtv); Klüger, weiter leben (Wallstein); Walser, Brandung (Suhrkamp Taschenbuch); Wolf, Kassandra (Luchterhand Taschenbuch); Wolf, Voraussetzungen einer Erzählung: Kassandra (Luchterhand Taschenbuch).
### Prescribed Texts

**GREEK**

**Greek I**
- 10.100 Texts to be supplied by the Department.
- 10.102 L.A. Wilding, *Greek for Beginners* (Faber); Abbott & Mansfield, *Primer of Greek Grammar* (Duckworth/BCP); Recommended dictionary: Liddell and Scott, *Intermediate Greek Lexicon* (OUP).

**Greek II**
- 10.202 *Hellenistis*, to be purchased from the Department.

**Greek III**
- 10.300 As for 10.200.
- 10.301 As for 10.201.

**Greek for MA and Honours**

**HUMAN BIOLOGY**

**Human Biology I**
- 60.100, 60.101, 60.102 Solomon, Martin & Ville, *Biology*, 3rd edn (Saunders College Publishing); *Microbiology*, Molecular Genetics and Immunology (Department of Molecular Medicine).

**Human Biology II**

**Human Biology III**
- 60.300 Course Manual in Immunobiology (Department of Molecular Medicine).

**HISTORY**

**The Department will issue leaflets entitled Advice on Books to Buy relating to these papers and to others not listed below.**

**History I**

**History II**

**History III**

**MA and Honours**

ITALIAN

Italian I

35.106, 35.107 M. Danesi, Adesso! (Heinle & Heinle); Hugo Italian Verbs (Hugo); Collins Pocket Italian/English, English/Italian Dictionary or Dizionario Italiano/Inglese, Inglese/Italiano (Garzanti). Students who intend to continue with Italian should instead purchase the prescribed dictionary for 35.200.

35.110 S. Aleramo, A Woman (University of California Press); L. Pirandello, Six Characters in Search of an Author (Eyre Methuen); E. Vittorini, Conversation in Sicily (Quartet); D. Maraini, Woman at War (Italica).

Italian II

35.200 J. Lazzarino, Da Capo (Harcourt Brace Jovanovich); Collins Sansoni Italian/English, English/Italian Dictionary. 35.204 Calvino, Fiabe Italian (Manchester U.P.); N. Ginzburg, Valentino (Einaudi); L. Sciascia, A ciascuno il suo (Adelphi); departmental material. 35.209 Machiavelli, Il Principe (B.U.R.); Castiglione, Il Cortegiano (Mursia). 35.231 D. Fo, Morte Accidnale di un Anarchico (Einaudi); departmental material. 35.233 C. Goldoni, Il teatro della Seduzione (Feltrinelli).

Italian III

35.300 Collins Sansoni Italian/English, English/Italian Dictionary. 35.302 Dante, Inferno (La Nuova Italia). 35.303 G. Boccaccio, Decameron (Laterza); F. Petrarca, Canzoniere (Feltrinelli). 35.322 Departmental material. 35.332 L. Pirandello, Three Plays (Manchester U.P.); C. Sereni, Casalinghitudine (Einaudi); departmental material.

LATIN

Latin I

09.100 Texts to be supplied by Department.

09.102 C.T. Lewis, Elementary Latin Dictionary (O.U.P.); W.F. Richardson, Ab Ovo (to be purchased from the Department).

Latin II


09.201 Horace, Odes & Epistles. To be issued by the Department.

09.202 In Itinerem, to be purchased from the Department; Livy, Book 21 (ed.) P.G. Walsh (B.C.P.).

Latin III

09.300 Virgil, Aeneid 6 (ed.) R.G. Austin, (O.U.P.); Tacitus, Annals Selections, to be issued by the Department.

09.301 Roman Love Elegy. To be issued by the Department.

09.302 Material will be provided by Department.

Latin for MA and Honours

09.402-409, 81.411-413 Specific texts will be prescribed during lectures.

09.410 To be advised at enrolment.

LABOUR STUDIES, DIPLOMA IN

A reading list will be available from the co-ordinator of each paper.

KOREAN

For papers not listed below course materials and advice about recommended books will be supplied by the Department.

Korean I

449.100 Yonsei University, Hangugo I (Yonsei University Press, 1993).

449.101 Yonsei University, Hangugo Tokpon Cho’gup (Yonsei University Press, 1993).

Korean II

449.200 Yonsei University, Hangugo 2 (Yonsei University Press, 1993).

Korean III

449.300 Yonsei University, Hangugo 3 (Yonsei University Press, 1993).

JAPANESE

For papers not listed below course materials and advice about recommended books will be supplied by the Department.

Japanese I

81.100, 81.101 Bunka Shokyu Nihongo Vols I and II (Bonjin-sha, Tokyo); Bunka Shokyu Nihongo Exercise Book Vols I and II (Bonjin-sha, Tokyo).

81.120, 81.121 Bunka Shokyu Nihongo (Bonjin-sha, Tokyo); Bunka Shokyu Nihongo Exercise Book Vol I (Bonjin-sha, Tokyo).

T81.100, T81.101 Japanese for Everyone (Gakken Co Ltd, Tokyo)

Japanese II

81.201 Tokai University, Intermediate Japanese I (Bonjin-sha)


T81.211 Osamu and Nobuko Mizutani, An Introduction to Newspaper Japanese (Japan Times Ltd, Tokyo)

T81.212 Nihongovare I (Sanshusha Publishing Co, Ltd, Tokyo)

Japanese III

81.301 Tokai University, Intermediate Japanese I (Bonjin-sha) and materials supplied by the Department.

Japanese for MA and Honours

81.402-409, 81.411-413 Specific texts will be prescribed during lectures.

81.410 To be advised at enrolment.
LAW
Details of prescribed texts (if any) are available from the Faculty Office of the School of Law.

LINGUISTICS
Linguistics I

Linguistics II
83.203 F. Katamba, An Introduction to Phonology, 2nd edn (OUP); J. Holmes, An Introduction to Sociolinguistics (Longman).
83.206 T. Crowley, An Introduction to Historical Linguistics, 2nd edn (Longman).

Linguistics III
83.303 R. Clark, Aspects of Proto-Polynesian Syntax, 1st edn (Linguistic Society of New Zealand).

MANAGEMENT SCIENCE AND INFORMATION SYSTEMS
MSIS I

MSIS II
74.200, T74.200 Chase & Aquilano, Production and Operations Management, 7th edn.
74.222/07.222, Peter Robb & Charles coronel, Database Systems: Design, Implementation, and Management (Wadsworth).
74.223 Robert Schulteis & Mary Sumner, Management Information Systems: The Manager's View, 2nd edn (Irwin).
74.230 J.G. Burch, Systems Analysis, Design and Implementation (Boyd & Fraser, 1992)

MSIS III
74.325 Gonzales and Dankel, The Engineering of Knowledge Based Systems (Prentice Hall)
74.327 Elmasri & Navathe, Fundamentals of Database Systems, 2nd edn (Benjamin Cummins)
74.332 Elmasri & Navathe, Fundamentals of Database Systems, 2nd edn (Benjamin Cummins); P. Dillon & P. Tan, Object-Oriented Conceptual Modelling (Prentice Hall).

74.392 Bazaar, Jarvis & Sherli, Linear Programming and Network Flows (Wiley, 1990)
74.396 Kleijnen and van Groenendaal, Simulation: A Statistical Perspective (Wiley, 1992)

MSIS IV
74.461 R. Yin, Case Study Research (Sage, 1989)

MANAGEMENT STUDIES AND LABOUR RELATIONS - 1995
MSLR I
72.204 S. Robbins, Organisational Behaviour, 6th edn (Prentice Hall)
72.204 To be advised

MSLR II
72.208 No text. Readings will be suggested.
72.211, T72.211 J. Deeks and P. Enderwick, Business and Society in New Zealand (Longman Paul, 1994).

MSLR III
72.305 T.F. Mader and Mader, Understand One Another. Communicating Interpersonally (Brown and Benchmark, 1993).
72.314 No text. Readings will be recommended.
72.317 To be advised.
72.325, T72.325 Robbins and Barnwell, Organisation Theory in Australia (Prentice Hall, 1989 or 1994)
72.340 No Text. Readings will be provided and recommended.
72.341 No Text. Readings will be suggested.
72.342 To be advised.
72.342 To be advised.
72.343 To be advised.
72.407 To be advised.
72.411 To be advised.
72.412 J. Deeks, Business and the Culture of the Enterprise Society (Quorum, 1993).
72.415 No text. Readings will be suggested.
72.420 No text. Readings will be suggested.
72.424 No Text. Readings will be suggested.
72.425 To be advised.
72.426 To be advised.

**MAORI STUDIES**

Maori Studies I

04.107, T04.107 J.C. Moorfield, Te Kakano (Longman Paul, 1992); P.M. Ryan, The Revised Dictionary of Modern Maori (Heinemann, 1983); B. Biggs, English-Maori Dictionary (Reed Methuen, 1986).
04.111 H.W. Williams, A Dictionary of the Maori Language (Government Printer, 1975); P.M. Ryan, The Revised Dictionary of Modern Maori (Heinemann, 1983); M. Penfold, Ngaa Hiioki Tuatahi; (available from the Department of Maori Studies Secretary).

Maori Studies II

04.203 J. Davidson, Prehistory of New Zealand (Longman Paul, 1984).
04.204 B. Biggs, Let's Learn Maori (Reed, 1974); P.M. Ryan, The Revised Dictionary of Modern Maori (Heinemann, 1983); B. Biggs, S.M. Mead & P.W. Hohepa, Selected Readings in Maori; B. Biggs, C. Lane & H. Cullen, Readings from Maori Literature; H.W. Williams, A Dictionary of the Maori Language (Government Printer, 1975).
04.212 B. Biggs, Let's Learn Maori (Unprint, 1986); B. Biggs, Complete English-Maori Dictionary, (Reed Methuen, 1986); H.W. Williams, A Dictionary of the Maori Language, (Govt. Printer, 1975).

Maori Studies III

04.306 B. Biggs, Let's Learn Maori (Reed, 1974); H.W. Williams, A Dictionary of the Maori Language (Government Printer, 1975); B. Biggs, S.M. Mead & P.W. Hohepa, Selected Readings in Maori.
04.314 Sir A. Ngata, Nga Motatea Vols.1-IV (Reed); Makereti, The Old-time Maori (New Women's Classics, 1986).
04.317 A. Thornton, Maori Oral Literature, (Otago University Press, 1987); M. Orbell, Traditional Maori Stories, (Reed, 1992); A. Thornton (ed.) The Story of Maui by Te Rangiwha. (Canterbury University Dept of Maori, 1992).

**MARKETING AND INTERNATIONAL BUSINESS**

MIB II

71.304 No text.
71.306 G.E. Belch and M.A. Belch Introduction to Advertising and Promotion; An Integral Marketing Communications Perspective, 2nd edn, (Irwin) 1993.
71.309, T71.309 To be advised by Department.
71.311, T71.311 To be advised by Department.

**MATHMATICS**

Stage I

26.101 Text can be purchased from the SMIS Student Resource Centre during enrolment.
26.107 As for 26.108
26.131 S. L. Salas & E. Hille, Calculus: One and Several Variables, 6th edn (Willey) plus printed material to be purchased from SMIS Student Resource Centre during enrolment.
26.151 J. Stewart, Calculus, any edn (Brooks/Cole Publishing Company) plus printed material to be purchased from SMIS Student Resource Centre during enrolment.
26.152 J. Stewart, Calculus, any edn (Brooks/Cole Publishing Company) plus printed material to be purchased from SMIS Student Resource Centre during enrolment.
26.162 Text can be purchased from the SMIS Student Resource Centre during enrolment.

Stage II

26.201 Consult Department.
26.210 Consult Department.
26.215 J. Stewart, Calculus, any edn (Brooks/Cole Publishing Company) plus printed material to be purchased from SMIS Student Resource Centre during enrolment.
26.212 J. Stewart, Calculus, any edn (Brooks/Cole Publishing Company) plus printed material to be purchased from SMIS Student Resource Centre during enrolment.
26.214 Text can be purchased from the SMIS Student Resource Centre during enrolment.

Stage III

26.331 Text can be purchased from the SMIS Student Resource Centre during enrolment.

[*purchase from SMIS Student Resource Centre during enrolment].
MEDICINE
Reading lists for MBChB are published in The Handbook of the Faculty of Medicine & Human Biology.

MUSIC FOR BA AND BMUS
Music I

Music II
28.201 N. Cook, A guide to musical analysis (Dent).

Music III
28.301 As for 28.103.
28.302 As for 28.203.
28.307 As for 28.207.
28.316 C. Dodge, Computer Music (Schirmer)

Music for Masters and Honours
28.409 H. Schenker, Five Graphic Analyses (Dover).
22.415 A. Blatter, Orchestration/Instrumentation (Schirmer).

OPTOMETRY
PART I
744.101 M. H. Freeman, Optics. 10th edn (Butterworths).
744.104 T. W. Gordon Solomons, Organic Chemistry, 5th edn (Wiley); L. Stryer, Biochemistry, 4th edn (Freeman).
744.201 M. H. Freeman, Optics, 10th edn (Butterworths).
744.204 C. K. Mathews & van Holle, Biochemistry (Benjamin/Cummings).
744.210 M. Millodot, Dictionary of Optometry, 3rd edn (Butterworths); W. M. Hart (ed), Adler's Physiology of the Eye, 9th edn (Mosby).

PART II
744.310 W. M. Hart (ed), Adler's Physiology of the Eye, 9th edn (Mosby); H. Davson, Physiology of the Eye, 5th edn (Macmillan).

PHARMACOLOGY
96.301, 96.302 Wingard, Brody, Larner & Schwarz, Human Pharmacology - Molecular to Clinical, 1st edn (Mosby-Williams & Wilkins Pty Ltd).

PHILOSOPHY
Philosophy I
29.100 Descartes, Discourse on Method and the Meditations (Penguin); J. Perry, Dialogue on Personal Identity (Hackett).
29.101 Roderic Girle, Logic: A Teach Yourself Text, 3rd edn. Volumes I and II.
29.151 Roderic Girle, Logic: A Teach Yourself Text, 3rd edn Volumes I and II.

Philosophy II
29.204 J. Barnes, Early Greek Philosophy (Penguin); H. Tredennick, The Last Days of Socrates (Penguin).
PHYSIOLOGY

Physiology (Science) II

Physiology (Science) III

PLANNING

Recommended texts are listed in the Department of Planning's Student Handbook available from the Secretary.

POLITICAL STUDIES

Political Studies I
30.109 Refer to Department for reading list of recommended books.

Political Studies II

Political Studies III
30.302 Refer to Department for reading list.
30.304 M. Holland (ed.) *Electoral Behaviour in New Zealand* (O.U.P.)

Political Studies for MA and Honours
30.403 Refer to Department for reading list.
30.422 Refer to Department for reading list.
30.425 Refer to Department for reading list.

PROPERTY

PSYCHOLOGY
Psychology I (for Arts and Science)

Psychology II (for Arts and Science)
32.250 M. Davison et al., Animal Learning and Behaviour Course Notes 1995, available from the Department after enrolment.

Psychology III (for Arts and Science)
32.301 A. Anastasi, Psychological Testing, 6th edn (Macmillan, 1987).
32.306 Refer to Psychology Handbook.
32.312 J.B. Miner, Industrial/Organizational Psychology, 1st edn (McGraw-Hill).

Psychology for MA, MSc and Honours

RUSSIAN
Only prescribed books for Russian I, II and III and certain MA papers are indicated below. A handbook, reading lists and additional teaching materials are available from the Department.

Russian I
43.100, 43.101 J. L. I. Fennell, The Penguin Russian Course (Penguin); J. Coulson, N. Rankin & D. Thompson, The Pocket Oxford Russian Dictionary (Oxford); other material available from the Department.
43.111 Material available from the Department.
43.113 J. M. Nakhimovsky, A History of Russia (Oxford).
43.114 J. S. Turgenev, Fathers and Sons (Penguin); L. N. Tolstoy, Anna Karenin (Penguin); F. M. Dostoevsky, Crime and Punishment (Penguin); N. V. Gogol, Diary of a Madman and Other Stories (Penguin); M. Gorky, Childhood (Penguin); A. P. Chekhov, Lady with Lapdog and Other Stories (Penguin); I. Andric, The Bridge on the Drina (University of Chicago).

Russian II
43.211 C. E. Gribble, Russian Root List (Slavica); D. Obolensky (ed.), The Heritage of Russian Verse (Bristol Classical Press).
43.212 A. S. Pushkin, Povesti Belkina (Bristol Classical Press); N. V. Gogol, Shinel' (Bristol Classical Press); additional materials available from the Department.

Russian III
43.310 C. Townsend, Continuing with Russian (Slavica); T. Wade, A Comprehensive Russian Grammar (Blackwell).
43.311 G. Gerhart, The Russian's World. Life and Language (Holt, Rinehart & Winston); other material available from the Department.
43.313 D. Obolensky (ed.), The Heritage of Russian Verse (Bristol Classical Press); other material available from the Department.

Russian for MA and Honours
43.410 A. D. Nakhimovsky & R.L. Leed, Advanced Russian, 2nd edn (Slavica); C. Townsend, Continuing with Russian (Slavica).
SCANDINAVIAN STUDIES

Scandinavian Studies I
Further materials may be supplied by the Department.
46.100, 46.102 Göransson-Lindholm, Nybírjarsvenska-Textbok (Kursverksamheten); Bergner-Nyuld, A Compact Swedish Grammar (Almqvist & Wiksell).
46.101 Ibsen, Hedda Gabler and Other Plays (Penguin); Strindberg, Three Plays (Penguin); Bergman, The Seventh Seal/ Wild Strawberries (Faber & Faber).

Scandinavian Studies II
46.200 Beite et al., Basic Swedish Grammar (Almqvist & Wiksell); Modern engelsk-svensk/svensk-engelsk ordbok (Prisma).
46.205 J. Bergman, The Seventh Seal/Wild Strawberries (Faber & Faber); Strindberg, Three Plays (Penguin); Peter Cowie, Scandinavian Cinema (Tantivy Press).
46.206 Ibsen, Plays Vols. I & II (Methuen); Strindberg, Plays Vols. I & II (Methuen).

Scandinavian Studies III
46.300 Beite et al., Basic Swedish Grammar (Almqvist & Wiksell).
46.305 J. Bergman, The Seventh Seal/Wild Strawberries (Faber & Faber); Strindberg, Three Plays (Penguin); Peter Cowie, Scandinavian Cinema (Tantivy Press).
46.306 Ibsen, Plays Vols. I, II & III (Methuen); Strindberg, Plays Vols. I, II & III (Methuen).

SOCIOLGY

Sociology I
82.100 A. Giddens, Sociology, 2nd edn (Polity Press, 1993).
82.102 E.J. Hobbsown, Age of Revolutions (Abacus, 1977).
82.104 P. Jones, Theory and Method in Sociology (Bell & Hyman, 1985); P. Spoonley et al. (eds.), New Zealand Sociology, 2nd edn (Dunmore, 1989).

Sociology II

Sociology III
82.313 W. Bello & S. Rosenfeld, Dragons in Distress: Asia’s Miracle Economies in Crisis (Institute for Food and Development Policy, 1990); B. Anderson, Imagined Communities (Verso, 1992 edn).

Sociology for MA

SPORTS SCIENCE


STATISTICS

528.180, 528.181, 528.187, 528.188, T528.188 Text can be purchased from the SMIS Student Resource Centre during enrolment.
528.281, T528.281 Text can be purchased from the SMIS Student Resource Centre during enrolment.
528.288 Text can be purchased from the SMIS Student Resource Centre during enrolment.

Prescribed Texts

559
Prescribed Texts


TECHNOLOGY, BACHELOR OF
Details of any prescribed texts are listed under subject paper numbers.

THEATRE STUDIES
486.201 N. Machiavelli, La mandragola, trans. M. Flaumenhaft (Waveland); H. Ibsen, Plays: One (Methuen); F. Wedekind, trans. E. Bond, Spring Awakening (Methuen); D. Fo, Accidental Death of an Anarchist (Hutchinson); Moliere, Don Juan and other plays I. McLean (ed.) (O.U.P. 1989).

THEOLOGY
For information on full course details, timetables and select bibliography, see the Auckland Consortium for Theological Education Handbook, available for purchase from The University Book Shop and from the A.C.T.E. office or constituent colleges.

TRANSLATION, POSTGRADUATE DIPLOMA IN
Details of any prescribed texts are listed under subject paper numbers, or may be obtained by consultation with teaching staff.

WOMEN'S STUDIES
Lecture and Laboratory Timetable 1995

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<th>Page</th>
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<tr>
<td>General Information and Key</td>
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<td>Lecture Timetable</td>
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<tr>
<td>Science Laboratory Timetable</td>
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LECTURE AND LABORATORY TIMETABLES

GENERAL INFORMATION AND KEY

The following section contains lecture and laboratory times mainly for students taking Bachelors' degrees in the Faculties of Arts, Commerce, Education, Law, Music and Science. Timetables for other degrees and for papers in other faculties are available from departments.

Notes:
1. This timetable does not include information about tutorials, nor about some oral and practical classes. Most students enrolled in papers in the Faculties of Arts, Commerce, Education, Law, and Science are assigned by computer to specific lecture, laboratory and tutorial streams. Computer streaming lists will be displayed on faculty and departmental noticeboards towards the end of enrolment period. Otherwise times will be arranged during the first week of lectures.
2. Information about the times of lectures for Master's papers will be available from departments towards the end of enrolment week.
3. Except with the approval of Senate, a student may not enrol in a course of study unless the student can attend at least one set of lecture times for each paper in the course.
4. For bracketed papers, (eg 48.100, 48.101) each paper will be taught at one or more of the times listed. Details are available from the department concerned.

KEY
† consult the department concerned to find out whether the paper will be taught in 1995

Parts of the Year

Quarters
1st quarter    Monday 27 February to Friday 7 April
2nd quarter    Monday 10 April to Friday 16 June
3rd quarter    Monday 19 June to Friday 4 August
4th quarter    Monday 7 August to Friday 6 October

Terms
1st term       Monday 27 February to Friday 5 May
2nd term       Monday 29 May to Friday 11 August
3rd term       Monday 4 September to Friday 6 October

Halves
1st half       Monday 27 February to Friday 16 June
2nd half       Monday 19 June to Friday 6 October

Full Year
Where a quarter, term or half does not appear in the part of the year column, the papers taught for the full year i.e. Monday 27 February to Friday 6 October.

Streams
Where lectures are offered at more than one set of times the sets are indicated by Roman numerals (eg i, ii). Students attend only ONE lecture stream of each paper in which they are enrolled.

Where laboratories are offered at more than one set of times these are indicated by a code relating to the days and times of the stream. For example, a laboratory stream with a code of TF10 occurs on Tuesdays and Fridays at ten. Students attend only ONE laboratory stream of each paper in which they are enrolled.

Times
Unless a specific finish time is given, all lectures last one hour starting at the time listed.

Rooms
Most room numbers have two parts. The letters at the beginning relate to a building, the numbers at the end a specific room in that building. The following is a list of building codes. Plans of the campuses appear elsewhere in this Calendar.

ACE Auckland College of Education, 74 Epsom Avenue, Epsom
Algie Algie Lecture Theatre, Law Buildings, 9-17 Eden Crescent
ALR Architecture Lecture Room, Architecture Building, 22-26 Symonds Street
Arts Arts 1 (New Arts) Building, 14A Symonds Street
BLT Biology Lecture Theatres, Biology Building, 5 Symonds Street
C Commerce C Building, 18 Symonds Street
CA Commerce A Building, 3A Symonds Street
CB Commerce B Building, 5 Symonds Street
Chem Chemistry Building, 23 Symonds Street, contains the Large and Medium Chemistry Lecture Theatres (LgeChem and MedChem)
CMBioLT Cellular and Molecular Biology Lecture Theatre, Thomas Building, 3A Symonds Street
Dept Departmental room
Eng Engineering Buildings, 20 Symonds Street
HSB Human Sciences Building, 10 Symonds Street
Lab1, Lab2 Language Laboratories 1 and 2, 8 Grafton Road
LgeChem Large Chemistry Lecture Theatre, Chemistry Building, 23 Symonds Street
Lib Library Building, 28 Princes Street/5 Alfred Street, contains basement theatres B10, B15 and B28
LTT Lower Lecture Theatre, behind Old Arts Building, 22 Princes Street
Manukau Manukau Polytechnic, 1 Otara Road, Otara
MedChem Medium Chemistry Lecture Theatre, Chemistry Building, 23 Symonds Street
MLT  Maths Lecture Theatre, Maths/Physics Building, 38 Princes Street
Northey  Northey Lecture Theatre, Law Buildings, 9-17 Eden Crescent
Northland  Northland Polytechnic, Raumanga Valley, RD, Whangarei
OA  Old Arts Building, 22 Princes Street
OCH  Old Choral Hall, 7 Symonds Street
PLT  Physics Lecture Theatre, Maths/Physics Building, 38 Princes Street
SLT  Science Lecture Theatre, Maths/Physics Building, 38 Princes Street
Small  Small Lecture Theatre, Law Buildings, 9-17 Eden Crescent
Stone  Stone Lecture Theatre, Law Buildings, 9-17 Eden Crescent
Tam  Tamaki Campus, corner Merton & Morrin Roads, Glen Innes
ULT  Upper Lecture Theatre, behind Old Arts Building, 22 Princes Street
UniHall  University Hall, Old Arts Building, 22 Princes Street
01Wyn  1 Wynyard Street, Classics Building
26Wyn  26 Wynyard Street, English Language Centre

Note: The University reserves the right to make changes to this timetable, including adding or deleting papers, where the changes are considered necessary or desirable.

EXAMPLE

<table>
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<tr>
<th>Subject</th>
<th>Paper Number</th>
<th>Part of Year</th>
<th>Stream</th>
<th>Day and Time</th>
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Stage I first half year on Wednesdays and Fridays, from 12 noon to 1 pm

TIMETABLE PLANNER

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**CHEMISTRY**

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**CHINESE**

48.100)

Students attend the above hour

PLUS one of the following streams:

i  Mon Wed Thu Fri 9  CAG13

ii Mon Wed Thu Fri 10 CAG13

iii Mon Wed Thu Fri 11 CAG13

iv Mon Wed Thu Fri 12 CAG13

v Mon Wed Thu Fri 2  CAG13

PLUS one of the following laboratories:

Fri 9  Lab1

Fri 10  Lab1

Fri 11  Lab1

Fri 12  Lab1

Fri 2  Lab1

48.102

1st half  Tue Thu 3  Arts209

1st half  Fri 2  OCH1

Students attend the above three hours

PLUS one of the following:

1st half  Tue 1  OCHG07

1st half  Fri 12  OCHG07

48.105

1st half  Mon 4-6, Wed 4  OA039
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| 462.200     | 2nd half | Mon 2, Wed 12 | Arts716 |

*plus a tutorial to be arranged*

**COMPUTER SCIENCE**

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| 07.100      | 1st half | Tue Thu Fri 11 | PLT1 |
| 07.105      | 2nd half | Tue Fri 3, Wed 4 | PLT1 |
| 07.111      | 2nd half | Tue Thu Fri 11 | PLT1 |
| 07.112      | 2nd half | Tue Fri 3, Wed 4 | PLT1 |
| 07.113      | 2nd half | Mon Thu 12 | PLT1 |
| 07.114      | 2nd half | Mon Thu 3 | PLT1 |
| 07.115      | 2nd half | Mon Thu 9 | MLT1 |
| 07.211      | 2nd half | Mon Wed 1:30 | Tam733.201 |
| 07.222      | 2nd half | Mon 12-2 | LlibB28 |
| 07.231      | 1st half | Mon Thu 4, Wed 10 | PLT1 |
| 07.232      | 2nd half | Mon Thu 4, Wed 10 | PLT1 |
| T07.233     |         | Tue Thu 2:30 | Tam731.201 |

II

| 07.301      | 1st half | Mon 10 | Arts209 |
| 07.302      | 2nd half | Mon Thu 12 | BLT100 |
| 07.303      | 2nd half | Mon Thu 10 | Dept |
| 07.304      | 2nd half | Mon Thu 2 | HSB2 |
| 07.305      | 1st half | Mon Thu 12 | BLT100 |
| 07.306      | 1st half | Wed 2-4 | PLT1 |
| 07.307      | 1st half | Fri 10 | LgeChem |
| 07.308      | 1st half | Tue Fri 2 | OA039 |
| 07.309      | 1st half | Mon Wed 10:30 | Tam731.234 |
| 07.310      | 1st half | Tue Fri 11 | PLT3 |
| 07.311      | 1st half | Tue Fri 12 | CAG10 |
| 07.312      | 1st half | Mon Wed 2:30 | Tam731.234 |
| 07.313      | 1st half | Mon 3 | Arts716 |
| 07.314      | 1st half | Thu 3 | PLT2 |
| 07.315      | 1st half | Mon 11 | OA039 |

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| 477.105     | 2nd half | Mon Tue 4 | OA029 |</p>
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- Thu 11
- Thu 11
- Tue 3 (odd weeks)
- Tue 4
- OCH1

- Mon 4-6
- OCHG07
- CAG16

- Thu 4-6
- ULT

- Mon 4-6
- Dept

- Thu 11
- Northey

- Tue 2
- OCH1

- Wed 4-6 (even weeks)
- OCH1

- Mon 4-6
- Marae

- Mon 2-4
- Dept

- Tue 4-6
- OAO39

- Wed 4
- Dept

**ENGINEERING**

I 50.001 1st half
- 2nd half

- Thu 4
- Mon Wed 11
- Eng 1401

- Eng 1401

- Dept

**ENGLISH**

I 18.100 1st half
- 2nd half

- Mon 11
- Mon Fri 11
- LLT

- Mon Tue 3
- LLT

- Mon 5
- LLT

- Thu 12
- LgeChem

- Mon Thu 4
- LibB10

- Thu 4
- LibB10

- Mon 5:30
- ACE

- Thu 5:30
- ACE

- Wed 11
- LibB28

- Wed 3
- LibB28

18.104
18.105

T18.106 1st half
- 2nd half

- Mon Wed 4:30
- Tam 723.201

- Mon 4:30
- Tam 723.201

- Tue Thu 2:30
- Tam 723.201

- Tue 2:30
- Tam 723.201

- Tue Thu 4:30
- Tam 723.201

- Tue 4:30
- Tam 723.201

II 18.200
18.201
18.206
18.207

T18.208 1st half
- 2nd half

- Mon 1:30-3:30
- Tam 723.234

- Mon 1:30-3:30
- HSB2

- Thu 9
- LLT

- Wed 5
- PLT1

- Thu 10
- LibB15

- Tue 2
- ALR1

- Wed 1:30-3:30
- Tam 723.234

- Thu 5-6
- Arts 202

III 18.301
18.250
18.252
18.253

- Mon 2
- Dept

- Thu 2
- OCHG10
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ENGLISH AS A SECOND LANGUAGE (see Language Acquisition (English))

ENGLISH WRITING FOR ACADEMIC PURPOSES

I  
T401.101  
Mon 9:30  
Tam722.201

ENVIRONMENTAL MANAGEMENT

T722.208  
Tue Fri 2:30  
Tam733.201

ENVIRONMENTAL SCIENCE

II  
64.200  
Mon Wed 9  
LibB15

FILM & TELEVISION STUDIES

II  
85.200  
Thu 1-3  
LibB28

III  
85.301  
Tue 3-8  
AV Centre

FRENCH

I  
34.100  
i  
Tue Thu 10  
C303

ii  
Tue 10  
Arts202

iii  
Thu 10  
CB15

iv  
Tue Thu 11  
Arts206

v  
Tue Thu 3  
Arts202

vi  
Tue Thu 4  
Arts202

Students attend both hours in one of the above streams
PLUS one of:

Mon 5  
UniHall

Mon 6  
UniHall

PLUS one of the following laboratories:

Tue 12  
Arts708

Tue 2  
Arts708

Wed 10  
Arts708

Wed 11  
Arts708

Wed 12  
Arts708

Wed 3  
Arts708

Thu 9  
Arts708

Thu 12  
Arts708

Thu 2  
Arts708

Wed 2  
Arts215

34.101  

Students attend the above hour
PLUS one of:

i  
Fri 9  
Arts607

ii  
Fri 10  
Arts607

iii  
Fri 11  
Arts607

iv  
Fri 12  
Arts607

34.151)  
i  
Tue Wed Thu Fri 9, Wed 3  
Arts206

34.152)  
i  
Tue Wed Thu Fri 10, Wed 4  
Arts206

Students attend five hours in one of the above streams
### Lecture and Laboratory Timetables

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#### II

| 34.200 | | | | |
| Mon 11 | Arts708 |
| Tue 9 | Arts708 |
| Tue 11 | Arts708 |
| Wed 9 | Arts708 |

PLUS one of the following oral classes:

| Tue 1 | Arts708 |
| Wed 11 | Arts719 |
| Wed 1 | Arts708 |
| Thu 1 | Arts719 |
| Tue 12 | Arts202 |
| Thu 4 | Arts206 |
| Tue Thu 3 | Arts719 |
| Wed 4 | Arts202 |

Students attend both hours in one of the above streams

PLUS one of the following laboratories:

| Mon 11 | Arts708 |
| Tue 12 | Arts701 |
| Thu 1 | Arts701 |
| Tue 2 | Arts202 |
| Wed 1 | Arts607 |
| Mon Wed 4 | Arts607 |

#### III

| 34.300 | | | | |
| Thu 10 | Arts611 |
| Thu 11 | Arts613 |

PLUS the following laboratory:

| Wed 2 | Arts708 |
| Fri 9-11 | Arts203 |
| Tue 1 | Arts607 |
| Thu 12 | Arts206 |
| Mon 2 | Arts202 |
| Thu 2 | Arts723 |
| Fri 1-4 | Arts719 |
| Tue 4-6 | Arts719 |
| Fri 11 | Arts719 |

### GEOGRAPHY

#### I

| 20.101 | 1st half | Tue Wed Thu 9 | HSB1 |
| 20.102 | 2nd half | Tue Wed Thu 9 | HSB1 |
| T20.151 | 2nd half | Mon Wed Fri 11:30 | Tam733.201 |
| T20.152 | 1st half | Mon Wed Fri 11:30 | Tam733.201 |

#### II

<p>| 20.201 | Mon Wed 12 | Mon | LibB10 |
| 20.202 | Mon 2 | Wed 2 | LibB15 |
| 20.204 | Tue Thu 12 | Tue Thu 12 | ULT |
| 20.205 | Thu 3-5 | Thu 3-5 | ULT |
| T20.251 | Mon Wed 9:30 | Mon Wed 9:30 | HSB2 |
| T20.252 | Tue Thu 9:30 | Tue Thu 9:30 | Tam733.201 |
| T20.255 | Fri 10:30-12:30 | Fri 10:30-12:30 | Tam721.201 |
| T20.302 | Wed 2-4 | Wed 2-4 | HSB370 |
| 20.305 | Tue Thu 2 | Tue Thu 2 | HSB370 |
| 20.312 | Mon Tue 10 | Mon Tue 10 | HSB370 |
| 20.314 | Mon Tue 9 | Mon Tue 9 | HSB370 |
| 20.315 | Tue 3-5 | Tue 3-5 | HSB370 |
| 20.317 | Mon Wed 1 | Mon Wed 1 | HSB370 |
| 20.320 | Thu 9-11 | Thu 9-11 | HSB370 |
| 20.321 | Wed 9-11 | Wed 9-11 | HSB370 |</p>
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**GEOLOGY**

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**GERMAN**

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Students attend the above hour
PLUS one of the following streams:

| i          |             | Fri 9          | Dept |
| ii         |             | Fri 10         | Dept |
| iii        |             | Fri 12         | Dept |
| 22.102     |             | Tue Thu 12     | Arts209 |
| 22.103     |             | Tue Thu 11     | OCH1 |
| i          |             | Mon Tue Thu 10 | Dept |
| ii         |             | Mon Tue Thu 12 | Dept |
| iii        |             | Mon Tue Thu 2  | Dept |
| 22.200     |             | Tue Thu 10     | Dept |
| ii         |             | Tue Thu 2      | Dept |

Students attend the above hour
PLUS one of the following streams:

| i          |             | Tue 11         | Dept |
| ii         |             | Tue 3          | Dept |
| 22.202     |             | Mon 4, Wed 2   | Dept |
| 22.203     |             | Mon 10, Wed 4  | Dept |

| II (22.300) |             | Tue Thu 9     | Dept |
| ii         |             | Tue 2, Thu 3  | Dept |
| 22.301     |             | Mon 11, Thu 5 | Dept |
| 22.302     |             | Tue 4-6       | Dept |
| 22.350     |             |                |      |

**GREEK**

| I (10.100) |             | Tue Thu 12 | CAG14  |
| 10.102     |             | Tue 10    | BLT204 |

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| 10.102     |             | Fri 10    | OCH2   |</p>
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| 81.203       | Mon Fri 12 | OA039 |
| 81.204       | Mon Tue 1 | ALR3  |
| T81.210      | Tue 9:30  | Tam723.134 |
|             | Wed 9:30  | Tam723.234 |
| T81.211      | Tue Thu 3:30 | Tam723.134 |
| T81.212      | Mon 8:30  | Tam723.201 |
| Lab i        | Thu 8:30  | TamLangLab |
| ii           | Mon 9:30  | Tam723.134 |
| Lab ii       | Thu 9:30  | TamLangLab |

| III 81.300   | Mon 12   | OA029 |

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**KOREAN**

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Students attend one of the above streams
PLUS one of:

either (a) Mon 12  
Wed 12  
OCHG07  
CAG15  
or (b) Mon 5  
Wed 4  
CAG13  
C303  

PLUS one of the following laboratories:

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|         | Thu 12 | CAG10 |
| ii      | Tue 5  | CAG16 |
|         | Thu 4  | CAG10 |

† 449.102 | Mon 2-4 | CAG10
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     2nd, 3rd terms Mon 3-5 Arts209  
83.206 Fri 10-12 Arts209  

III  
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83.303 Thu 11-1 Arts09  
83.307 Mon 10-12 MedChem  
83.312 Fri 11-1 Arts206  
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**PHYSIOLOGY**

| 67.202       | 2nd half     |        | Tue 3            | LibB28   |
| III          | Stage III lectures are held at the Medical School |

**PLANNING**

| 113.240      | 2nd half     |        | Mon Wed 9        | LibB15   |

**POLITICAL STUDIES**

| I            | 1st half     |        | Wed Thu Fri 12   | HSB1     |
| T30.111      | 1st half     |        | Mon Tue Thu 10:30| Tam723.204|
| T30.112      | 2nd half     |        | Mon Tue Thu 10:30| Tam723.204|
| 30.204       | 2nd half     |        | Thu Fri 11       | OA039    |
| 30.209       | 1st half     |        | Mon Wed 10       | SLT1     |
| 30.211       | 1st half     |        | Mon 2            | Arts716  |
| 30.213       | 2nd half     |        | Tue Thu 4        | OCH2     |
| 30.214       | 2nd half     |        | Mon Wed 5        | SLT1     |
| 30.215       | 1st half     |        | Mon Wed 5        | SLT1     |
| 30.216       | 1st half     |        | Thu Fri 11       | SLT1     |
| 30.218       | 2nd half     |        | Thu Thu 9        | OA039    |
| T30.219      | 2nd half     |        | Tue Thu 10:30    | Tam734.234|
| T30.220      | 1st half     |        | Tue Thu 10:30    | Tam734.234|
| T30.221      | 1st half     |        | Mon 10:30-12, 1:30-3 | Tam734.234|
| 30.224       | 1st half     |        | Wed 11-1         | BLT204   |
| 30.302       | 1st half     |        | Tue 5            | OCH2     |
| 30.304       | 1st half     |        | Thu 5            | Arts716  |
| 30.309       | 2nd half     |        | Tue Fri 9        | SLT1     |
| 30.312       | 1st half     |        | Mon Wed 10       | Arts209  |
| 30.314       | 2nd half     |        | Tue Thu 10       | BLT100   |

| II           | 1st half     |        | Wed 2-4          | PLT2     |
| T31.227      | 2nd half     |        | Mon Thu 11:30    | Tam731.234|
| 31.240       | 1st half     |        | Mon Thu 12       | PLT2     |
| T31.240      | 1st half     |        | Mon Thu 12       | PLT2     |
| T31.244      | 1st half     |        | Tue Fri 1:30     | Tam731.201|
| 31.245       | 1st half     |        | Mon Thu 12       | PLT2     |
| 31.255       | 1st half     |        | Tue Fri 10       | PLT2     |
| 31.294       | 1st half     |        | Fri 2            | Tam731.201|
| T31.294      | 2nd half     |        | Tue 1:30         | Tam731.201|
| 31.325       | 2nd half     |        | Tue 9            | CAG15    |
| 31.326       | 2nd half     |        | Tue Fri 11       | PLT4     |
| 31.330       | 1st half     |        | Mon Thu 2        | PLT3     |
| 31.335       | 1st half     |        | Mon Thu 2        | PLT3     |
| 31.342       | 1st half     |        | Mon Thu 11       | PLT4     |
| 31.345       | 1st half     |        | Mon Thu 9        | PLT4     |
| 31.355       | 1st half     |        | Tue Fri 2        | PLT4     |
| 31.370       | 2nd half     |        | Tue Fri 2        | PLT4     |

**PHYSIOLOGY**

| 67.202       | 2nd half     |        | Tue 3            | LibB28   |
| III          | Stage III lectures are held at the Medical School |

**PLANNING**

| 113.240      | 2nd half     |        | Mon Wed 9        | LibB15   |

**POLITICAL STUDIES**

<p>| I            | 1st half     |        | Wed Thu Fri 12   | HSB1     |
| T30.111      | 1st half     |        | Mon Tue Thu 10:30| Tam723.204|
| T30.112      | 2nd half     |        | Mon Tue Thu 10:30| Tam723.204|
| 30.204       | 2nd half     |        | Thu Fri 11       | OA039    |
| 30.209       | 1st half     |        | Mon Wed 10       | SLT1     |
| 30.211       | 1st half     |        | Mon 2            | Arts716  |
| 30.213       | 2nd half     |        | Tue Thu 4        | OCH2     |
| 30.214       | 2nd half     |        | Mon Wed 5        | SLT1     |
| 30.215       | 1st half     |        | Mon Wed 5        | SLT1     |
| 30.216       | 1st half     |        | Thu Fri 11       | SLT1     |
| 30.218       | 2nd half     |        | Thu Thu 9        | OA039    |
| T30.219      | 2nd half     |        | Tue Thu 10:30    | Tam734.234|
| T30.220      | 1st half     |        | Tue Thu 10:30    | Tam734.234|
| T30.221      | 1st half     |        | Mon 10:30-12, 1:30-3 | Tam734.234|
| 30.224       | 1st half     |        | Wed 11-1         | BLT204   |
| 30.302       | 1st half     |        | Tue 5            | OCH2     |
| 30.304       | 1st half     |        | Thu 5            | Arts716  |
| 30.309       | 2nd half     |        | Tue Fri 9        | SLT1     |
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| 30.314       | 2nd half     |        | Tue Thu 10       | BLT100   |
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**PSYCHOLOGY**

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**SAMOAN**

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**SCANDINAVIAN STUDIES**

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Students must take BOTH papers and attend all the above hours.

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**SCIENCE COMMUNICATION**

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Students must take BOTH papers and attend all the above hours.

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Students attend four hours in one of the above streams
PLUS one of the following oral classes:

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PLUS one of the following laboratories:

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Students attend four hours in one of the above streams
PLUS one of the following oral classes:

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Students attend both hours in one of the above streams
PLUS one of the following oral classes:

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T45.200

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Students attend the above hour
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Students attend both the above hours
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Students attend both hours in one of the above streams
PLUS one of the following oral classes:

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**COMPUTER SCIENCE**
Consult Department

**ENVIRONMENTAL MANAGEMENT**
Consult Department

**GEOGRAPHY**

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**PHARMACOLOGY**
(at Medical School)

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**PHYSIOLOGY**
(at Medical School)

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**PSYCHOLOGY**

I T32.129
II T32.261
II T32.262
III T32.361
III T32.362

**SPORTS SCIENCE**

I T711.101
II T711.201
II T711.202

Students taking only one of these papers will be required to attend laboratories for one half year only.
GLOSSARY OF TERMINOLOGY

Abandonments This applies to students who have taken some papers towards one course of study and who subsequently wish to abandon that course of study and to transfer the appropriate papers towards another course of study. The papers concerned must comply with the Regulations for the new course of study to be pursued.

Ad Eundem Statum A means of admission to the University for students who have completed an acceptable level of study overseas.

Availability of Papers Not all papers are available in any given year. Papers which will definitely not be taught are indicated with a * in the Schedules and the Timetable. Papers which may not be taught unless sufficient staff are available are indicated with a †. Papers which do not appear with either a * or a † are available. However, Regulation 2(c) of the Enrolment and Course Regulations (General) may be invoked in specific circumstances.

Bachelor's Degree Undergraduate students work towards a Bachelor's degree which takes three or more years of study.

Campus Code If a paper is taught at a campus other than the City Campus, the paper number will have a prefix to identify the campus - 'T' for Tamaki Campus, 'E' for Auckland College of Education and 'N' for Northland Polytechnic.

Certificate Courses Courses of study which lead to the award of a certificate. Their level may be pre-undergraduate or they may be short courses aimed at professionals.

City Campus The Campus which is situated in the City Centre.

Conjoint Degrees It is possible in certain circumstances, to study for two bachelor’s degrees at the same time. This reduces the requirements for completion of the two degrees.

COP (Certificate of Proficiency) A paper which is studied and examined in the normal manner but which does not constitute part of the student’s degree or diploma course is shown on the record as COP.

Corequisite A paper required to be studied at the same time as another paper unless it has been previously passed.

Council The governing body of the University.

Course of study The course of study is the Intermediate, Degree, Diploma or Certificate in which a student is enrolled. Each course of study consists of a number of papers. Course regulations in this Calendar set out the requirements for each programme.

Cross-Credit A Paper which is common to two courses of study and is credited to both. Cross-crediting procedures are set out in Regulation 14 of the Enrolment and Course Regulations (General).

Dean The Head of a Faculty.

Department A sub-division within a Faculty focusing on a particular subject or subjects.

Diploma Undergraduate or postgraduate courses which (i) extend knowledge within the original specialised field of the degree or (ii) meet the needs of specific groups - usually with a professional or semi-professional focus.

Dissertation A written research component of some degrees above the level of Bachelor’s. Generally of less weight than a thesis.

Double chance Refer to plussage.

EFTS Equivalent Full-Time Student.

Enrolment The process which follows pre-enrolment and which includes the payment of tuition and other fees to complete registration at the University.

Extramural Study by correspondence. Most university extramural study in New Zealand is carried out through Massey University.

Faculty The University is divided into twelve Faculties most of which comprise groups of associated departments.

Full-time Each course has a definition of what constitutes full-time study. It is important for student allowances and fees purposes. For first-year students six papers usually satisfy the regulations. For more details refer to the Definitions of Full-time Study in this Calendar.

Honours Some courses of study beyond a basic Bachelor’s degree may be awarded with honours. There are two classes of Honours - first and second.

Intermediate The preliminary year of study taken before you start a professional degree, e.g. LawInt is the intermediate year for the degree Bachelor of Laws. Although it is a prescribed first year, it is usually of a fairly general nature.

Laboratory Many departments have laboratories as part of their requirements. These are sessions of a practical nature. Most departments in the Science Faculty, for example, organise three-hour laboratory sessions on a regular basis.

Lecture The basic unit of instruction, usually of 50 minutes duration.

Limited Entry Because of limitations on the availability of staff and/or teaching and laboratory space the number of students that can be accepted for most courses of study, all Stage I Arts and Science papers, and some advanced level papers, is limited. Such courses or papers are called Limited Entry Courses and Papers.

Matriculation The process by which a student is officially admitted to the University.

Master’s degree A graduate course of study beyond the level of a Bachelor’s degree.
Glossary

Paper
A Course of Study comprises a range of papers. Each paper is identified by a five or six digit number. The first two or three digits identify the subject. The digits after the point identify the level and topic. The prefix 'T', 'E', or 'N' identifies the campus. Papers taught at the City Campus do not have a prefix.

Part of Year
Some papers run the full year, others only part of the year, but most are of equal weight. Those covering only part of the year compensate by having more time devoted to them each week. If the part of the year in which the paper is taught is any other than the full year, this is indicated in the Degree Schedules and the Lecture and Laboratory Timetables.

Part-time
Part-time study does not qualify students for allowance assistance (see Full-time). Part-time courses are mostly undertaken in normal study hours.

PhD
Doctor of Philosophy - a degree of a higher level than an Honours or Masters course.

Plussage
A system by which students are credited with a final result for the year which is either the final examination grade or a combination of final grade plus course work, whichever is to the student's advantage. Many departments operate such a system. The precise regulations for plussage for each paper should be checked as there are variations.

Pre-enrolment
All students intending to enrol at Auckland must pre-enrol by completing and submitting the appropriate Pre-enrolment Application Form (PAF). There are five different versions of the PAF. There are specified deadline dates by which PAFs must be submitted.

Prerequisite
A paper which must be passed before another is attempted. Many departments require you to pass two papers at Stage I in a subject before you progress to Stage II in that subject.

Prescribed Texts
Textbooks which are considered essential to the paper concerned.

Prescriptions
Descriptions of papers.

Recommended Texts
Textbooks which are useful for the paper concerned but which are not deemed essential. Departments usually issue lists of such books.

Registry
The administrative centre of the University.

Research Essay
A written research component of some degrees above the level of Bachelor's. It is of less weight than a thesis.

Restriction
It is not permitted to credit two similar papers to the same course. Papers that are restricted against each other are listed in the Schedules in this Calendar.

Returning Students
All students who were enrolled at the University of Auckland last year and who are returning to continue with their course of study or to start a new one.

Schedule
A tabulated list of papers taught for a particular degree. The Schedule typically contains information relating to the availability of papers, the part of the year in which they are taught, prerequisites, corequisites and restrictions. Note: a star * indicates that the paper will not be taught in that year; a dagger † indicates that a paper may not be taught in that year.

Senate
The Committee to which Faculties report and which, in turn, reports to Council.

Stage I, II, III
The academic level of study of a paper. Papers at different levels in the same subject are taken in successive years. Stage I papers are the entry level.

Subject
Papers are grouped into subject areas. For general degrees a range of subjects is studied with only one or perhaps two subjects taken to Stage III.

Tamaki Campus
The new campus of the University situated in Morrin Road, Glen Innes.

Thesis
A major written research component of higher degrees.

Timetable
The Calendar sets out the weekly timetable of lectures for most papers in general degrees and for laboratories in Science. A key is provided explaining the abbreviations used.

Tutorial
A small group teaching session. At Stage I the numbers of students in lectures are often very large, but most papers require weekly or fortnightly tutorials with a regular tutor where questions may be asked or points raised in the lectures discussed.

Unsatisfactory Progress
Failure to make satisfactory academic progress renders a student liable for suspension from further enrolment for at least one year. The regulations relating to this appear under Enrolment and Course Regulations (General) in this Calendar.
SUMMARY OF SUBJECT CODES

01 Accounting and Finance
02 Commercial Law
03 Anthropology
04 Maori Studies
07 Computer Science
08 Chemistry
09 Latin
10 Greek
12 Ancient History
13 Economics
14 Education; Guidance & Counselling
16 Educational Psychology
18 English
19 Art History
20 Geography
21 Geology
22 German
23 Hebrew
24 History
25 Law
26 Mathematics
27 Fine Arts
28 Music
29 Philosophy
30 Political Studies; Local Government & Administration
31 Physics
32 Psychology
34 French
35 Italian
39 Biological Sciences
43 Russian
45 Spanish
46 Scandinavian Studies
47 Obstetrics & Gynaecology
48 Chinese
50 Engineering, General
51 Chemical & Materials Engineering
52 Civil Engineering
53 Electrical & Electronic Engineering
54 Engineering Science
55 Mechanical Engineering
56 Mining Engineering
60 Human Biology
63 Behavioural Science
64 Environmental Science
65 Anatomy
67 Physiology
68 Pathology
69 General Practice
70 Business Administration (Diploma)
71 Marketing & International Business
72 Management Studies & Labour Relations
73 Classical Studies
74 Management Science & Information Systems
75 Drama
79 Pacific Studies
80 Indonesian
81 Japanese
82 Sociology
83 Linguistics
85 Film & Television Studies
86 Energy Technology
89 Medical Science
90 Medicine (MBChB)
91 Community Health
92 Medicine
93 Paediatrics
94 Psychiatry
95 Surgery
96 Pharmacology
97 Asian Studies
98 Molecular Medicine
110 Architecture, Property and Planning (General)
111 Architecture
112 Property
113 Planning
115 Architecture & Building Science (Masters) & PGDip Building Science
191 Pulp & Paper Technology
215 Law(LLB)
225 Law Honours
270 Business Administration (Masters)
273 Diploma in Management
275 Labour Studies
277 Master of Management
375 Introductory & Ancillary Topics (Theology)
376 First Testament
377 New Testament
378 Systematic Theology
379 Church History
380 Moral & Practical Theology
401 English Writing for Academic Purposes
418 English Language Teaching
421 Dutch
449 Korean
460 Translation
462 Comparative Literature
477 Cook Islands Maori
478 Samoan
486 Theatre Studies
487 Development Studies
488 Women’s Studies
498 New Zealand Studies
511 Metallurgical & Materials Engineering
528 Statistics
571 Arts Administration
576 Performing Arts
590 English as a Second Language
615 Home Economics
620 Tutoring in Science
621 Science Education
625 Mathematics Education
634 Science Education
645 Adult & Higher Education (Bachelors)
690 Social Work
701 Science General
702 BTech Projects
711 Sports Science
712 Aviation Science
713 Marine Science
722 Environmental Management
744 Optometry
751 Audiology
788 Health Sciences
# DEGREES, DIPLOMAS, AND CERTIFICATES

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<tr>
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<th>Faculty</th>
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TUITION, EXAMINATION AND RESEARCH FEES 1995
New Zealand Citizens and Permanent Residents (All fees are inclusive of 12.5% GST)

1. Papers for BA, BAHEd, BCom, BEd, BMus, BMus(Perf), BMusEd, BSc, BSed, BTech, BTheol
   (a) Non-science papers ................................................................. per paper ........................................ $264.00
   (b) Science papers (Biological Sciences, Chemistry, Environmental Science, Geology, Pharmacology, Physiology, Psychology, Sports Science, and Tutoring in Science) .............................................. per paper ........................................ $292.00
   Note: (a) Science tuition fees are derived from the total cost of a BSc degree i.e. 3 years at $1848.00 p.a.
   The total cost of $5544.00 is then apportioned between the papers on the basis:
   Six science Stage I credits = one paper
   Four science Stage II credits = one paper
   Four science Stage III credits = one paper
   For fees purposes the BSc degree is equivalent to a 19 paper course.
   (b) For other than the standard seven paper BA course or equivalent, tuition fees are set on a pro rata basis e.g. a student enrolling in six BA papers will pay $1584.00.

2. Wellesley Programme ................................................................. per paper ........................................ $36.00

3. Professional Courses of Study BArch, BE, BFA, BHB, BOptom, BPlan, BProp, LLB, LLB(Hons), MBChB I, II and III. (Enrolment in more than, or less than, a full-time year will be charged on a pro rata basis)
   per defined full-time year ........................................ $1848.00

4. All Diplomas and Certificates (except those listed below) .............. per defined full-time year ........................................ $1848.00
   (Enrolment in more than, or less than, a full-time year will be charged on a pro rata basis)
   per defined full-time year ........................................ $1848.00

5. CertOcPharm ............................................................................. $850.00

6. DipCom, A&EEmed, DiplGeriatMed, DiplSportsMed ......................... per defined full-time year ........................................ $3000.00
7. DipEnvMgt .................................................................................. $640.00
8. DiplPerformArts ........................................................................... $4950.00
9. DiplPulp&Paper ........................................................................... $18,500.00
   (under review)
10. DiplG&O, Part I and II ............................................................... each ........................................ $462.00
11. DiplObst, DipPaed ........................................................................ $924.00
12. ProfLS ......................................................................................... $ ...............................
    (under review)
13. Graduate School of Business
    DiplMgt .................................................................................. $900.00
    DiplMgt deposit (Non-refundable fee of $900.00 payable on acceptance of place in the DiplMgt Programme.)
    This deposit is then credited towards payment of the year's total fees.) Note: In addition to above there are three workshops @ $212.00 each.
    MBA, DiplBus ........................................................................... $965.00
    MBA deposit (First year participants will pay this non-refundable fee of $1000 on acceptance of their place in the MBA Programme.
    This deposit is then credited towards payment of the year's total fees.) Note: DiplBus papers 70.570, 70.571, 70.572 will have an
    additional fee of $100.00 each.
14. ME 8 paper Master's course (one year course of study) ......................... per paper ........................................ $231.00
15. MTaxS ......................................................................................... $835.00
16. Master's courses of study (except MBA, ME, MTaxS and MLitt)
    6 paper Master's course of study ................................................ per paper ........................................ $616.00
    7 paper Master's course of study ................................................ per paper ........................................ $528.00
    8 paper Master's course of study ................................................ per paper ........................................ $462.00
    9 paper Master's course of study ................................................ per paper ........................................ $410.00
    Note: Students re-enrolling in a Master's thesis will pay only 12.5% of the value of their thesis. Note: MBldgSc: each paper must have a
    minimum enrolment of 12 students in order for the paper to be taught. If there are insufficient enrolments the paper will be made
    unavailable and alternative paper(s) offered.
17. DMus
    (a) under DMus Reg 5, each year ................................................. $1848.00
    (b) under DMus Reg 14, on submission of work to be examined ................................................. $1848.00
18. MD
    (a) application to be examined .................................................. $462.00
    (b) on submission of work to be examined ...................................... $924.00
19. DJur ........................................................................................... $1848.00
20. PhD, MLitt
    First two full-time years ............................................................. each ........................................ $1848.00
    Each subsequent 6 months full-time study ....................................... $924.00
    (Candidates registered part-time for PhD are required to pay each year half the fee prescribed for full-time study)
21. DSc, LittD, LLD, DEng, EdD ............................................................. $1848.00
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