

<https://courseoutline.auckland.ac.nz/dco/course/INFOSYS/303/1213>



Business and Economics

INFOSYS 303 : Solutions Architecture (15 POINTS)

2021 Semester One

Course Prescription

Information systems specifically designed for organisational IT environments provide competitive advantages. Focuses on using high quality information architecture to address business requirements including the iterative use of system analysis, design and prototyping. Develops familiarity with state-of-the-art modelling, development, and deployment environments, and solutions for designing business systems architecture.

Course Overview

A solutions architect is a pinnacle in the career of a technical information systems practitioner. The course will give understanding and context to how the over-arching information concerns of an organization are guided by a solutions architect. The course will be presented with a balance of theory and practical skills.

The following topics are covered ,

- Business Technology Strategy
- Design (General and UX)
- IT Environment
- Quality Attributes
- Business Architecture
- Information Architecture
- Infrastructure Architecture
- Software Architecture

Course Requirements

Prerequisite: INFOMGMT 291 or INFOSYS 220, and BUSAN 201 or INFOMGMT 292 or INFOSYS 222, and COMPSCI 130 or INFOSYS 221 Restriction: INFOSYS 320

Capabilities Developed in this Course

- Capability 1: Disciplinary Knowledge and Practice
Capability 2: Critical Thinking
Capability 3: Solution Seeking

Capability 4: Communication and Engagement

Capability 5: Independence and Integrity

Capability 6: Social and Environmental Responsibilities

Graduate Profile: [Bachelor of Commerce](#)

Learning Outcomes

By the end of this course, students will be able to:

1. Be able to understand how to be a self-sufficient and self-motivated solutions architects (Capability 1, 3 and 4.2)
2. Describe the roles and responsibilities of a solutions architect (Capability 1, 2, 4.2, 5.1 and 5.2)
3. Demonstrate an understanding of and appraise the tools and techniques required of the solutions architect and their teams (Capability 1, 2, 3 and 4.2)
4. Identify how governance of information systems fits within an organizational structure (Capability 1, 2, 3, 4.2, 5.1, 5.2 and 6)

Assessments

| Assessment Type | Percentage | Classification |
|-----------------|------------|-------------------------------|
| Test | 30% | Individual Coursework |
| Assignments | 30% | Individual Coursework |
| Project | 30% | Group Coursework |
| Assignments | 10% | Group & Individual Coursework |
| 4 types | 100% | |

| Assessment Type | Learning Outcome Addressed | | | |
|-----------------|----------------------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| Test | ✓ | ✓ | ✓ | ✓ |
| Assignments | ✓ | ✓ | ✓ | ✓ |
| Project | ✓ | ✓ | ✓ | ✓ |
| Assignments | | | | |

Workload Expectations

This course is a standard 15 point course and students are expected to spend 10 hours per week involved in each 15 point course that they are enrolled in.

For this course, you can expect 2 hours of lectures, a 2 hour tutorial, 2 hours of reading and thinking about the content and 4 hours of work on assignments and/or test preparation.

Delivery Mode

Campus Experience

Attendance is required at scheduled activities including tutorials to [complete/receive credit for] components of the course.

Lectures will be available as recordings. Other learning activities including tutorials may be available as recordings.

The course will not include live online events.

Attendance on campus is required for the exam.

The activities for the course are scheduled as a standard weekly timetable.

Learning Resources

Students should bring their own computers to classes.

Student Feedback

At the end of every semester students will be invited to give feedback on the course and teaching through a tool called SET or Qualtrics. The lecturers and course co-ordinators will consider all feedback and respond with summaries and actions.

Your feedback helps teachers to improve the course and its delivery for future students.

Class Representatives in each class can take feedback to the department and faculty staff-student consultative committees.

Digital Resources

Course materials are made available in a learning and collaboration tool called Canvas which also includes reading lists and lecture recordings (where available).

Please remember that the recording of any class on a personal device requires the permission of the instructor.

Academic Integrity

The University of Auckland will not tolerate cheating, or assisting others to cheat, and views cheating in coursework as a serious academic offence. The work that a student submits for grading must be the student's own work, reflecting their learning. Where work from other sources is used, it must be properly acknowledged

and referenced. This requirement also applies to sources on the internet. A student's assessed work may be reviewed against online source material using computerised detection mechanisms.

Inclusive Learning

All students are asked to discuss any impairment related requirements privately, face to face and/or in written form with the course coordinator, lecturer or tutor.

Student Disability Services also provides support for students with a wide range of impairments, both visible and invisible, to succeed and excel at the University. For more information and contact details, please visit the [Student Disability Services' website](http://disability.auckland.ac.nz) <http://disability.auckland.ac.nz>

Special Circumstances

If your ability to complete assessed coursework is affected by illness or other personal circumstances outside of your control, contact a member of teaching staff as soon as possible before the assessment is due.

If your personal circumstances significantly affect your performance, or preparation, for an exam or eligible written test, refer to the University's [aegrotat or compassionate consideration page](https://www.auckland.ac.nz/en/students/academic-information/exams-and-final-results/during-exams/aegrotat-and-compassionate-consideration.html) <https://www.auckland.ac.nz/en/students/academic-information/exams-and-final-results/during-exams/aegrotat-and-compassionate-consideration.html>.

This should be done as soon as possible and no later than seven days after the affected test or exam date.

Learning Continuity

In the event of an unexpected disruption we undertake to maintain the continuity and standard of teaching and learning in all your courses throughout the year. If there are unexpected disruptions the University has contingency plans to ensure that access to your course continues and your assessment is fair, and not compromised. Some adjustments may need to be made in emergencies. You will be kept fully informed by your course co-ordinator, and if disruption occurs you should refer to the University Website for information about how to proceed.

Student Charter and Responsibilities

The Student Charter assumes and acknowledges that students are active participants in the learning process and that they have responsibilities to the institution and the international community of scholars. The University expects that students will act at all times in a way that demonstrates respect for the rights of other students and staff so that the learning environment is both safe and productive. For further information visit [Student Charter](https://www.auckland.ac.nz/en/students/forms-policies-and-guidelines/student-policies-and-guidelines/student-charter.html) <https://www.auckland.ac.nz/en/students/forms-policies-and-guidelines/student-policies-and-guidelines/student-charter.html>.

Disclaimer

Elements of this outline may be subject to change. The latest information about the course will be available for

enrolled students in Canvas.

In this course you may be asked to submit your coursework assessments digitally. The University reserves the right to conduct scheduled tests and examinations for this course online or through the use of computers or other electronic devices. Where tests or examinations are conducted online remote invigilation arrangements may be used. The final decision on the completion mode for a test or examination, and remote invigilation arrangements where applicable, will be advised to students at least 10 days prior to the scheduled date of the assessment, or in the case of an examination when the examination timetable is published.