Do You Need Mathematics for Engineering, Science, Commerce, Computing?

The Superstart Initiative in Mathematics
Superstart is a two week intensive not for credit course held from mid-February before the beginning of the academic year. It is designed specifically for students enrolling in MATHS 108, MATHS 150 or ENGSCI 111 without a strong background in Mathematics with Calculus, and aims to boost the skills and understanding of these students in order to make a pass in these courses more achievable. The course has been run every year since 2000 with excellent results – Superstart students generally achieve pass rates at or above class averages, and some gain A passes.

Who should do Superstart?
Based on results from recent years, students with an average of merit or better in NCEA external Calculus credits should pass the standard first year university maths courses. Superstart aims to make a big difference to students who
(a) have a low level of achievement in NCEA Level 3 Calculus (average below merit) or CIE A2 (C or less),
(b) have gaps in their preparation, either from incomplete Level 3 Calculus credits or by having completed CIE AS rather than A2,
(c) have studied Mathematics with Statistics rather than Calculus at Level 3,
(d) have 7th form equivalent maths qualifications, but have not studied maths for some time.

Students enrolling in ENGSCI 111 or MATHS 150 should have attained at least 18 achievement credits at NCEA Level 3 Mathematics or equivalent, with at least 9 of these at merit level or higher. Merit or better in Differentiation is strongly recommended. Students enrolling in MATHS 108 should have at least 13 credits in Calculus and Statistics. Students with fewer than 13 credits in Level 3 Calculus or Statistics should do a full course in a preparatory paper (MATHS 102 is appropriate).

Date, Place and Cost
10 day course (recommended for most students): 16th February – 27th February, 2015, cost $260.
7 day course (recommended only for students with strong algebra and a good understanding of functions but gaps in trigonometry and/or calculus): 19th February – 27th February, 2015, cost $190.

Each weekday begins at 9am and finishes at 4:30pm. The mornings are devoted to a mathematical core common to all disciplines and consist of a lecture followed by work on exercises with the assistance of tutors. The afternoons may contain some core material but will also contain some two hour modules covering a variety of themes. There will be some choice depending on a student's intended discipline.

Enquiries   Academic: Wendy Stratton (w.stratton@auckland.ac.nz) phone (09) 923-5757
Enrolment: Jaya Venugopalan, Student Resource Centre, Mathematics Department
(src@math.auckland.ac.nz) phone (09) 923-5510 fax: (09) 3677-129
or   see the course website at   http://www.math.auckland.ac.nz/uoa/superstart

Enrolment: Detach the form at right and forward with fee to: Student Resource Centre
Mathematics Department,
The University of Auckland
Private Bag 92019, Auckland.

Enrolments will be accepted until the course is full. If you are enrolling after 10th February, it is best to do so in person at the Student Resource Centre in G038 of Building 301 at 23 Symonds St.

Superstart Initiative in Mathematics, 2015

Please use block letters throughout and give full postal address

M ....
Title   First Name   Surname

Home address ....

....

....

Phone ....   UoA student ID ....

Email ....

Degree Sought ....

Highest Level of Mathematics attained ....

Year Obtained ....

PAYMENT (Tick as appropriate)   **$260**   **$190**
Cheque (Payable to The University of Auckland)
Or debit   Visa   Mastercard
Account Number

Expiry date ....

Signed   Date

....