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, PHYSICS 111 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 for the last nine years 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,
(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 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, PHYSICS 111 or MATHS 150 should have attained at least 18 credits at NCEA Level 3 or equivalent, with at least 6 of these at merit level or higher.
Students enrolling in MATHS 108 should have at least 12 credits in Calculus or Statistics.
Students with fewer than 12 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): February 16 – 27, 2009, cost $250.
7 day course (recommended only for students with strong algebra and a good understanding of functions but gaps in trigonometry and/or calculus): February 19 – 27, 2009, cost $185.

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) 3737599 ext 85757
Enrolment: Jaya Venugopalan, Student Resource Centre, Mathematics Department (src@math.auckland.ac.nz) phone (09) 3737599 ext 88510 fax: (09) 376-7129
or see the course website at http://www.math.auckland.ac.nz/wiki/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 9th February, it is best to do so in person at the Student Resource Centre on the ground floor of the Maths/Physics building at 38 Princes St.

Superstart Initiative in Mathematics, 2009

Please use block letters throughout and give full postal address

M .....
Title First Name Surname

School attended .....

Address .....

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Phone ..... Fax .....

Email .....

Degree Sought .....

Highest Level of Mathematics attained .....

Grade (average) ..... Year Obtained .....

PAYMENT (Tick as appropriate) **$250** **$185**

☐ Cheque (Payable to The University of Auckland)

Or debit Visa Mastercard
Account Number

Expiry date .....

THE PRIVACY ACT 1993

The School of Engineering undertakes to collect, use and store the information you provide on this form according to the principles of the Privacy Act 1993. The information will be used to prepare class rolls, reports required by the Ministry of Education and the University, and for administrative purposes within the School. I agree that this information can be used to advise me of courses offered by the school to survey the type of courses to be included in the programme.

Signed ..... Date .....

Closing Date for Enrolments: Friday, February 6, 2004. Late enrolments will be accepted if possible but students will need to enroll in person (see Annette Warbrooke, 6th floor of the School of Engineering) to collect information about the beginning of the course.