The Numeracy Centre offers a number of Bridging Courses and Preparatory Courses in order to help students prepare for their university studies. These intensive courses give you a solid foundation for your studies. All our courses are designed to support and build your confidence in mathematics and statistics.

**COURSES ON OFFER FOR SEMESTER 2 2019**

**PREPARATORY COURSE**

The Numeracy Centre offers preparatory courses that are designed to act as a bridge to either NSW HSC Mathematics or NSW HSC Mathematics Extension 1. These are intensive courses for students from various mathematical backgrounds who need to enrol in first year mathematics courses or need a solid review of introductory mathematical concepts. The stream that you enrol in depends on the mathematics that you have done at high school. For those who have done General Mathematics or have a Band 2 or 3 in Mathematics we would recommend enrolling in the Foundation Stream. For students planning to enrol MATH135 who have Band 4 or higher in Mathematics we would recommend enrolling in the Extension Stream.

**FOUNDATION STREAM**

The Foundation Stream is for students who need an introduction to, or a review of, algebra and function concepts. We strongly recommend this course for students who have done HSC General Mathematics or no mathematics and are intending to include mathematics units such as MATH123, MATH130 or economics units at 100 level in their programs of study. It also covers mathematical concepts that would be useful as a preparation for statistics, chemistry and biology units. This course is designed so that students intending to study mathematics or other disciplines that rely heavily on mathematics like physics or economics do the full 10 day course ($350). This course is available a day course in July.

**REVIEW SESSIONS**

**Review Session in Basic Maths**

<table>
<thead>
<tr>
<th>Day</th>
<th>Cost:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 August</td>
<td>$20 (includes GST)</td>
</tr>
</tbody>
</table>

A three-hour review session on basic mathematics, up to the level of early secondary school, will be held for students enrolling in statistics. This course is recommended for students who are not confident in their mathematical ability and are intending to enrol in a first year statistics course. The topics covered will be fractions, decimals, percentages, plotting, basic algebra and problem solving. The cost is $20.

**Review Session – Algebra Skills**

<table>
<thead>
<tr>
<th>Evening</th>
<th>Cost:</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBA</td>
<td>$40 (includes GST)</td>
</tr>
</tbody>
</table>

This course is designed for students who are studying units such as MATH123 or MATH130 and find they need to strengthen their algebra skills. The topics covered will be factorisation, simplification of algebraic expressions, solving equations and polynomial division. This six hour review session will be taught over two evening sessions and the total cost is $40.

The review sessions will be repeated in February.

**Enrolment information and enquiries:**

Carolyn Kennett or Dilshara Hill on (02) 9850 8924 or fse.numeracy@mq.edu.au. Information can also be found on our website: www.maths.mq.edu.au/numeracy.
REFRESHER COURSES

Refresher Course in Statistics

<table>
<thead>
<tr>
<th>Day</th>
<th>TBA</th>
<th>TBA</th>
<th>10am – 5pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost</td>
<td>$60 (includes GST)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This course is designed to brush up the student’s knowledge of introductory statistics before they commence second year statistics courses such as PSY248, BIOL235 and STAT270. Concepts covered include hypothesis testing, statistical tests for the mean and regression. This weekend course is run at the beginning of each semester and details can be found on the Numeracy Centre website.

Important Note:
If you wish to enrol in one of these courses but there are financial constraints preventing you from enrolling please contact Carolyn Kennett or Dilshara Hill on 9850 8924.

WHAT ELSE IS ON OFFER AT THE NUMERACY CENTRE?

The Numeracy Centre, located in 14 SCO 188 (14 Sir Christopher Ondaatje Avenue, Room 188), provides individual and small group assistance to those students who need learning support in numeracy related areas such as introductory mathematics and statistics units. If you are studying mathematics, computing, engineering, economics, statistics, psychology, physics, chemistry, biology or indeed any first year unit at Macquarie University that uses quantitative skills and you find that you need extra help, particularly with the underlying mathematical concepts, the Numeracy Centre staff can help you.

The Centre operates on a free drop-in basis from Monday to Friday during the semester. Timetables may be obtained from the Centre website.

The Numeracy Centre also runs a wide variety of workshops during the semester to either refresh prerequisite knowledge or as additional classes for those who would like some extra tuition in various subjects. These workshops are currently running for STAT170, STAT150, MATH123, MATH130, MATH135, MATH136, DMTH137, DMTH237 and PSY248. The days and times of these workshops will be advertised in lectures and through the Numeracy Centre website.