

SCHOOL OF MATHEMATICS AND STATISTICS

2008 Information Guide for First Year Students

Units available to first year students in first semester 2008

<u>Unit</u>	<u>Code</u>	<u>Pre-requisite</u>
Calculus and Linear Algebra	MATH1010	TEE Calculus and TEE Applicable Mathematics
Calculus, Statistics and Probability	MATH1020	TEE Calculus and TEE Applicable Mathematics
Calculus and Matrix Methods	MATH2030	TEE Calculus and TEE Applicable Mathematics
Calculus A	MATH1030	TEE Applicable Mathematics
Calculus B	MATH1040	TEE Applicable Mathematics
Calculus C	MATH1050	TEE Discrete Mathematics
Economics and Business Statistics (available only to Economics and Commerce Students)	STAT1520	TEE Applicable Mathematics or ECON1111 Quantitative Methods for Business and Economics

Note 1: If you got above 54 in TEE Calculus you can't enrol in MATH1030 or MATH1040. If you got less than or equal to 54 in TEE Calculus you can enrol in either MATH1030 or MATH1040 or MATH2030.

Note 2: MATH1030 Calculus A is a summer semester unit only.

Units available to first year students in second semester 2008

<u>Unit</u>	<u>Code</u>	<u>Pre-requisite</u>
Calculus and Linear Algebra	MATH1010	TEE Calculus and TEE Applicable Maths
Calculus, Statistics and Probability	MATH1020	TEE Calculus and TEE Applicable Maths
Calculus C	MATH1050	TEE Discrete Mathematics
Statistics A	STAT1510	TEE Applicable Mathematics <i>or</i> TEE Calculus <i>or</i> MATH1030 Calculus A <i>or</i> MATH1040 Calculus B <i>or</i> scaled mark greater than 69 in MATH1050 Calculus C
Statistics B	STAT1530	TEE Discrete Mathematics
Economics and Business Statistics (available only to Economics and Commerce Students)	STAT1520	TEE Applicable Mathematics or ECON1111 Quantitative Methods for Business and Economics

First Year Unit Coordinators

The person responsible for the overall coordination of first year mathematics & statistics units is:

A/Prof Song Wang, Director of Undergraduate Studies
Room 2.29, Mathematics Building
Tel: 6488 3350; email swang@maths.uwa.edu.au

Each unit has a coordinator (or lecturer-in-charge) who is responsible for the organization of that unit. In 2008, the unit coordinators for first semester are:

<u>Unit</u>	<u>Coordinator</u>	<u>Office</u>	<u>Email address</u>	<u>Telephone</u>
MATH1010	Dr. Oreste Panaia	G.05	oreste@maths.uwa.edu.au	6488 3364
MATH1020	Prof Lyle Noakes	G.07	lyle@maths.uwa.edu.au	6488 3358
MATH1030	Ms Wally Andrioni	230	wandrion@maths.uwa.edu.au	6488 3359
MATH2030	Dr Steven Richardson		srichard@maths.uwa.edu.au	6488 5591
MATH1040	Ms Kathleen Chindarsi	120	kathleen@maths.uwa.edu.au	6488 3352
MATH1050	Ms Wally Andrioni	230	wandrion@maths.uwa.edu.au	6488 3359
STAT1520	Mr Marty Firth	117	marty@maths.uwa.edu.au	6488 3369

First Year Course Advisors

In 2008, the first year course advisors are

A/Prof. Song Wang, Room 2.29, Tel: 6488 3350, email swang@maths.uwa.edu.au
Ms Wally Andrioni, Room 2.30, Tel: 6488 3359, email wandrion@maths.uwa.edu.au

If you have any doubts as to whether you are enrolled in the appropriate mathematics or statistics unit, then you should see one of the first year advisers or see your Faculty Sub-Dean as soon as possible.

If you have any other concerns about your course, see one of the first year course advisors.

Suggestions and complaints

Please tell us in person or by email if you have any suggestions, comments, complaints, or grievances about a unit. We welcome your views about our teaching, lecture content, and any other aspect of your course. If you have a grievance please be assured that **no-one will be penalised in any way for making a complaint.**

Calculators

You may own a **graphics calculator** and find it useful at times in your mathematical and/or statistical work. However, no amount of button-pushing is a substitute for understanding. This is one reason why they are banned from tests and exams in all units taught in this school. The current list of **scientific calculators** approved for use in tests and exams is on the webpage:

<http://www.ecm.uwa.edu.au/for/staff/pol/calculators>

Activities in your unit

The unit in which you are enrolled is a package of many activities, which may include lectures, workshops, practice classes, computer laboratory sessions, assignments, tests, and will most definitely include your own study.

Lectures are used for the exposition of principles and theory. The lecturer will illustrate and reinforce this by working through carefully chosen examples. However, lectures differ from school lessons in that they usually are not interrupted by organised class activities. Hands-on working of mathematics and statistics is something you do in workshops, practice classes or laboratory sessions, and in your own time, either alone or with friends. In developing your understanding of the unit material you will also need to use assigned textbooks, any background notes issued for the unit and such reference material as your lecturers suggest.

For each unit you take, there are at least 5 hours of scheduled formal activity (4 lectures, plus at least one workshop, practice class or laboratory session). As a general rule, you should match this with at least an equal amount of work in your own time, including time spent on assignment work and reading ahead in the textbook. Substantially less working on your own will lessen your chances of success.

Some first-year units are divided into *lecture streams*. You will be assigned to a particular lecture stream, and changing streams is usually not permitted unless required by your timetable.

The whole is designed to help you begin to assume responsibility for your own education. Indeed, a principal objective of your degree program is developing in you the ability to access and digest new information, and to adapt it to deal with problems arising in novel situations. If you want help outside of formally scheduled class times first go to the Mathematics Learning Centre with your questions (see later for more information about the centre). Your lecturers and any teaching assistants or demonstrators assigned to the unit will help you when necessary if they are available. Make sure you make a note of the **names** and **office numbers** of your lecturers, teaching assistants and demonstrators. You should also check their times of availability. They will usually have other duties (teaching, research and administration) in addition to your unit so cannot be continuously available.

The timetabling of lectures, workshops, practice classes and streams is undertaken centrally and not by the School. Unfortunately it is not usually possible for the lecturer to change lecture times. If more than one stream is offered, it may be possible to switch streams to avoid timetable clashes.

It is **your** responsibility to collect announcements about unit organization, tests, assignments, etc. Each unit has its own webpages and you should check these regularly. The unit webpages can be accessed via the link

Workshops, practice classes, laboratory sessions and assignments

The arrangements for workshops, practice classes and laboratory sessions are different for different units, and the details for your unit will be explained in lectures.

In mathematics and statistics merely listening or reading are not enough. You need practice at doing mathematics and/or statistics for yourself and working routine problems will reinforce concepts and develop skill in calculation and reasoning. Your lecturer will regularly give you practice problems. In workshops, practice classes and laboratory sessions you will be able to have more direct contact with members of the academic staff, and there will be opportunity for you to discuss any difficulties which may have arisen from the lecture material, or discuss alternative solutions or some similar problems.

It is essential that you make a serious attempt at the practice problems if you are to gain a real understanding of the concepts and techniques in the unit. Working on these will not be wasting time as it will help you to be more confident and better prepared for the exam.

Learning occurs largely through the elimination of errors and misunderstandings, so don't be afraid to make a mistake or to speak up in class. The benefit you receive from all classes will be greater if you prepare beforehand, e.g., by revising and digesting lecture theory and examples, and by working some of the practice problems (if they are made available ahead of time).

Tests, Examinations and Assessments

Formal first semester examinations are held during the June examination period, beginning one week after the end of the semester. Short tests during semester will also be part of the assessment procedure for most units. **Details of assessment will be given in the unit handouts.**

In some units part of the assessment will be of work with a computer-based learning system. If you are unable to complete any required work on time, it is essential that you inform the coordinator of your unit as soon as possible.

Cheating

Plagiarism and other forms of cheating are treated severely. The school belongs to the Faculty of Engineering, Computing and Mathematics, and is bound by that Faculty's policy on plagiarism. The penalties described in it apply whether you are enrolled in this faculty or not. Please refer to this webpage:

<http://www.ecm.uwa.edu.au/for/staff/pol/plagiarism>

Class Mailing Lists

The names of students enrolled in each unit will be entered into an email list for that unit. The unit coordinator may use the list to send information to students at their UWA email addresses. Therefore it is **very important** that you either check your PHEME account frequently or arrange to link it to an email address which you do check often.

Assessment

The requirements for assessment in your unit(s) will be specified in writing during the first week or two of semester and are on the School's web site.

Occasionally the particular circumstances affecting individual students may warrant some alteration to the unit assessment requirements for that student. **Authority to allow such variation is delegated by the Head of School to Unit Coordinators, and to no-one else.** If you are affected during the semester or the following examination period by circumstances such as illness or domestic dislocation, then you should consult your unit coordinator and faculty Sub-Dean as soon as possible. Evidence supporting your claim to special consideration must be provided in writing to the Sub-Dean.

If students feel they have been unfairly assessed, they have the right to appeal their mark by submitting an Appeal Against Academic Assessment form to the Head of School and Faculty Office. The form must be submitted within twelve working days of the formal despatch of your unit assessment. It is recommended that students contact the Guild Education Officers to aid them in the appeals process. Full regulations governing appeals procedures are available at :

<http://www.secretariat.uwa.edu.au/home/policies/appeals>

Mathematics Learning Centre (MLC)

This is a centre for first year students which will begin operating from week two of the semester. It is located in Maths Meeting Room (G.04) on the ground floor of the Mathematics Building, and will be staffed by two people at the following times during the semester and also in the week immediately preceding the beginning of the exam period. It will be open from 2pm until 5pm, Mondays to Thursdays and from 9am until Noon on Fridays

Mathematics Computing Laboratory (MCL)

The MCL is on the first floor of the Mathematics Building, near the Enquiries Counter. It has 128 computers and is used for scheduled laboratory classes for units in Mathematics & Statistics, Engineering, and other disciplines. Most mathematics & statistics units will require you to attend the MCL for laboratory classes where you will use software packages for illustrative purposes or for the completion of assignment work. You will need to register for an MCL account to use the computers. An information handout, "Getting started in the MCL", explaining the process of registration for an MCL account, is available near the entrance of the MCL.

Allocated practice and laboratory classes guarantee access to the MCL unless the laboratory happens to be reserved for a special purpose such as a computer-based test. At other times during the day you may also use the laboratory if there is space. Priorities are: (1) students in officially booked classes (2) students doing Maths or Stats course work (3) students doing designated Engineering course work (4) any other students. Smoking, eating and drinking are not permitted in the lab. The MCL is open 24 hours a day. **The conditions of use** are set out on the webpage:

<http://www.maths.uwa.edu.au/computing/mcl/conditions>