

THE UNIVERSITY OF SYDNEY
Summer School, 2012

Information Sheet for **MATH1013 Mathematical Modelling**

Lecturers

Emi Tanaka, Carlaw 807.

Yinan Zhang, Carlaw 494.

Web Site

It is important that you check the Summer School Mathematics web site regularly.

It can be found by following links from the University of Sydney front page, or by going directly to

<http://www.maths.usyd.edu.au/u/UG/SS/SS1013/>

Important announcements, information sheets, tutorial exercises, solutions and past exam papers will be posted on this site.

Lectures

There are two 2-hour lectures per week, for a total of 6 weeks at:

2-4pm, Mon & Tue in Carlaw 173

Tutorials

Tutorials start on Monday 8th January. Attendance at tutorials will be recorded. There are two different tutorial streams.

	Time	Location	Tutor
Stream 1	4pm Mon & Tue	Eastern Avenue 115	Emi Tanaka (Wks 1-3), Yinan Zhang (Wks 4-6)
Stream 2	4pm Mon & Tue	Eastern Avenue 116	Collin Zheng

The questions for the tutorials are available on the course webpage. You will need to print out the sheets required for the tutorial session from the web, and bring them with you to the tutorial. The solutions will be available on the website later that week.

Assessment

Your final raw mark for this unit will be calculated as follows:

70%: Exam at end of semester 2.

20%: Quiz mark.

10%: Assignment mark.

Your final raw mark is then scaled to produce your final mark. Marks are scaled so that the distribution of grades is consistent with the quality of the class, and the difficulty of the unit, as required by the University.

Examination

There is one examination of 1.5 hours' duration during the examination period. Further information about the exam will be made available at a later date.

Quizzes

There are two quizzes, each worth 10% of your final raw mark.

Quiz 1 will be held in the tutorials on Monday 23rd January.

Quiz 2 will be held in the tutorials on Monday 13th February.

You must sit the quiz at the assigned time, otherwise your mark may not be counted.

Assignments

There will be two assignments.

Assignment 1 will be due at the start of the lecture on Monday 30th January.

Assignment 2 will be due at the start of the lecture on Monday 6th February.

Text book

Life Sciences Difference and Differential Equations. School of Mathematics and Statistics, University of Sydney, Sydney, NSW, Australia. Available from Kopystop.

Where to go for help

For administrative matters, go to the **Mathematics Student Office, Carslaw room 520**.

For help with mathematics, see your lecturer, or your tutor. Lecturers guarantee to be available during their consultation hour, but may well be available at other times as well.

If you are having difficulties with mathematics due to insufficient background, you can use the resource page at Mathematics Learning Centre

http://sydney.edu.au/stuserv/maths_learning_centre/resource.shtml

In particular, you should be familiar with elementary integration.