

Handout 1: Practicalities

Hello! My name is Belgin Seymenoglu, and I will be your lecturer for MATH6501. I am currently working towards a PhD in the department of Mathematics. However, my research is on population genetics, which is a good example of applied maths. To solve a real world problem mathematically, your main tricks of the trade will be the kind of maths that you will learn in this course. I will do my best to provide examples of applications of what you will be learning.

Contacting me

If you have a question about any aspect of the course, please do one of the following, preferably in this order:

- Check on Moodle - the information may be there already, particularly if it is about practical issues.
- Ask a question on the moodle forum, and I will reply as soon as possible. If you are unsure about something, chances are that someone else will have the same issue, and this way the information will be available to everyone.
- Come and see me in my office hour on Tuesday 1-2pm in the Kathleen Lonsdale Building Room M204.
- Email me at belgin.seymenoglu.10@ucl.ac.uk

Lectures

Lectures will be Tuesday 9-11am in Room 05 at Tottenham Court Road 188, Room 05 and Friday 11am-1pm in Room 500 at the Maths Department (25 Gordon Street). The lectures will be fairly traditional, with me writing on the board and you making a complete set of notes. These will be supplemented by the occasional handout, which will be available on Moodle. I will also post some relevant links on Moodle that you may find useful or interesting.

Coursework

The course is partly assessed by weekly problem sheets; together these will make up 10% of your mark for this module. The coursework will be somewhat like maths homework you did at school (except harder obviously), and there will be no need to type them up. However, neat handwriting and good presentation are still important!

You will have a week to do each one, and the deadline will be on a Thursday 5pm in Room 502 of the Maths Department. There will be a 'post box' in the room where you can submit the coursework.

When you hand the coursework in, please write your name with the surname underlined, your student number and your department on the front page with **all sheets stapled together**. Late coursework will not be accepted without good reason. While working together on coursework can be very helpful (and fun!), you must write up your solutions independently. Copying is unacceptable and will result in a mark of zero.

Exam

The other 90% of your final mark will be from a 2 hour exam in the summer term. Practice exams will be available for revision, and there will be a revision class before the exam.

Books

This course will be self-contained, so there is no need to buy any books. Despite this, I strongly recommend that you get into the good habit of reading the books mentioned on the syllabus. You can also consult your A-Level textbooks or try the following books...

- Thomas' Calculus (11th edition)
- Teach Yourself Calculus (2nd edition)

There is also plenty of material on the internet covering similar material, such as YouTube or Khan Academy.