

Course Schedule

The course will include material taken from some of the following topics. This is should only serve as a guide as it is not an extensive list of the material to be covered and the timings are approximate. The course content is ultimately defined by the material covered in lectures.

Weeks	Topic
1	Functions of Several Variables
2	Scalar Fields
3	Vector Fields
4	Double Integration
5	Ordinary Differential Equations
7	Matrices
8	Laplace Transforms
9	Fourier Series
10	Partial Differential Equations

Textbooks

- E. Kreyszig, Advanced Engineering Mathematics (Wiley, 8th or 9th or 10th Ed.)
- S.L. Salas & E. Hille, Calculus: One and Several Variables (Wiley, 7th, 8th, 9th or 10th Ed.)
- K.A. Stroud & D.A. Booth, Advanced Engineering Mathematics, (Bloomsbury, 6 Ed.)

Moodle

Log in to Moodle to find announcements, general information, notes, lecture slide, classroom tutorial and assessments etc.

<https://moodle.telt.unsw.edu.au>

Computing lab

The main computing laboratory is Room G012 of the Red Centre. You can get to this lab by entering the building through the main entrance to the School of Mathematics (on the (m)-3t)6((m)-3t)13 595.32 th

School of Mathematics and Statistics and UNSW Policies

The School of Mathematics and Statistics has adopted a number of policies relating to enrolment, attendance, assessment, plagiarism, cheating, special consideration etc. These are in addition to the Policies of The University of New South Wales. Individual courses may also adopt other policies in addition to or replacing some of the School ones. These will be clearly notified in the Course Initial Handout and on the Course Home Pages on the Maths Stats web site.

Students in courses run by the School of Mathematics and Statistics should be aware of the School and Course policies by reading the appropriate pages on

Plagiarism

Plagiarism is presenting another person's work or ideas as your own. Plagiarism is a serious breach of ethics at UNSW and is not taken lightly. So how do you avoid it? A one-minute video for an overview of how you can avoid plagiarism can be found <https://student.unsw.edu.au/plagiarism>.

Additional Support

ELISE (Enabling Library and Information Skills for Everyone)

ELISE is designed to introduce new students to studying at UNSW.

Completing the ELISE tutorial and quiz will enable you to:

- analyse topics, plan responses and organise research for academic writing and other assessment tasks
- effectively and efficiently find appropriate information sources and evaluate relevance to your needs
- use and manage information effectively to accomplish a specific purpose
- better manage your time
- understand your rights and responsibilities as a student at UNSW

Equitable Learning Services (ELS) may determine that your condition requires special

to staff after all student assessment results are finalised and released to students. Course convenor will use the feedback to make ongoing improvements to the course.