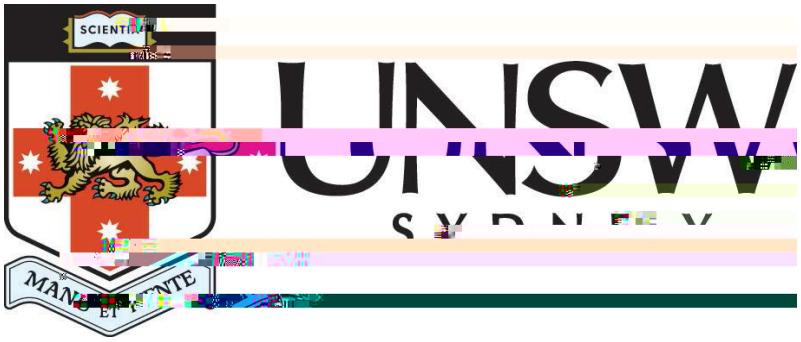

Course Outline

MATH1131 Mathematics 1A

School of Mathematics and Statistics

Faculty of Science

Term 2, 2022

Contents

1. Staff

MATH1131 Mathematics 1A and MATH1141 Higher Mathematics 1A

Roll	Name	Email	Room*
Director of First Year	A/Prof Jonathan Kress	j.kress@unsw.edu.au	RC-3073
Course Authority	Dr Dinh Tran	d.t.tran@unsw.edu.au	RC-5107

MATH1131 Lecturers

that students attend the lectures live online.

An alternative pre-

There is a weekly Möbius lesson due on Tuesday of the following week at 11am for MATH1141 and 1pm for MATH1131.

Weightings

The final mark will be a

The purpose of the assignment is to improve your mathematical writing by providing feedback on your writing and helping you to recognise good mathematical writing. It will also give you practice at presenting solutions to exam style questions.
The questions will be presented to you on Möbius and you will write solutions to these questions. You will be able to check the correctness some parts of your answer using Möbius so your main task will be to present your answers well with good explanations of your working.

Your work will need to be typed (not handwritten and scanned) and you will submit your work online through links on Moodle. The assignment deadline will be

9. Applications for Special Consideration

Please adhere to the Special Consideration Policy and Procedures provided on the web page below when applying for special consideration.

https://student.unsw.edu.au/special-consideration

Please note that the application is not considered by the Course Authority, it is considered by a centralised team of staff at the Nucleus Student Hub.

The School will contact you (via student email account) after special consideration has been granted to reschedule your missed assessment, for a lab test or paper-based test only.

For applications for special consideration for assignment extensions, please note that the new submission date

marked [R]. You do need to make an attempt at the [H] problems because problems of this type will occur on tests and in the exam. If you have difficulty with the [H] problems, ask for help in your tutorial.

Questions marked with a [V] have a video solution available from the course page for this subject on Moodle. There are a number of questions marked [M], indicating that Maple is required in the solution of the problem.

11. Calculus Syllabus

The Calculus textbook is S.L. Salas & E. Hille and G.J. Etgen Calculus -

Calculus Problem Sets

The Calculus problems are located at the end of each chapter of the Calculus Notes booklet. They are also available from the course module on the UNSW Moodle server. Some of the problems are very easy, some are less easy but still routine and some are quite hard. To help you decide which problems to try ¿st, each problem is marked with an [**R**], an [**H**] or an [**X**]. The problems marked [**R**] form a basic set of problems which you should try ¿st. Problems marked [**H**] are harder and can be left until you have done the problems marked [**R**]. Problems marked [**V**] have a video solution available on Moodle.

You do need to make an attempt at the [**H**] problems because problems of this type will occur on tests and in

13. Some Greek Characters

Listed below are the Greek characters most commonly used in Mathematics.

Name	Lower case	Upper case	Name	Lower case	Upper case
Alpha	Ù		Nu	å	
Beta	Ú		Xi	æ	
Gamma	Û		Pi	è	+
Delta	Ü		Rho	é	
Epsilon	óor Ý		Sigma	ê	-
Zeta	Þ		Tau	ì	
Eta	ß		Phi	ö or î	0