

ME12002 – Engineering Mathematics S1

Lecture Plan – Semester 1 – Autumn 2023

There are two one-hour lectures on Wednesdays at 12:15 and Thursdays at 10:15. Both are in the University Hall, which is a 386-seater that should accommodate the 320 or so Mechanical Engineering students quite easily. Many of the other units in Semester 1 also include the IMEE students.

The two-hour tutorial session (i.e. problems classes) is on Fridays between 09.15 and 11.15 in 4E 3.40, 4E 3.44 and 4E 2.32. I will be present at these, as will a group of postgraduate students. Colleagues who are involved with ME12004 Mechatronics will also be present.

The following Table is an indication of how the semester 1 syllabus is likely to proceed. Note the reading week in week 6.

Week	Wednesday date	Lecture 1 (Wed)	Lecture 2 (Thur)
1	4th Oct	Complex Numbers 1	Complex Numbers 2
2	11th Oct	Differentiation 1	Differentiation 2
3	18th Oct	Differentiation 3	Integration 1
4	25th Oct	Integration 2	Integration 3
5	1st Nov	Series 1	Series 2
6	8th Nov	Reading week	Reading week
7	15th Nov	Series 3	ODEs 1
8	22nd Nov	ODEs 2	ODEs 3
9	29th Nov	ODEs 4	ODEs 5
10	6th Dec	Laplace Transforms 1	Laplace Transforms 2
11	13th Dec	Laplace Transforms 3	Laplace Transforms 4

The website for the unit is at the URL:

<http://people.bath.ac.uk/ensdasr/ME12002.bho/maths1.html>

and all handouts, problem sheets, solution sheets, announcements etc. will eventually appear on this site. I would advise that this website should be added to your 'Favourites' or 'Bookmarks' depending on which is your favoured web browser. If you forget this, then you can always google my name, *Andrew Rees*, and you'll get my homepage which contains a link to the above website.

All important announcements will be made within the lectures *and* by email to the whole class.

Do feel free to email me about anything to do with the unit at any time. My general aim is to reply to such emails within 24 hours, or 48 at the weekend.

My email address is D.A.S.Rees@bath.ac.uk or, equivalently, ensdasr@bath.ac.uk.

My office is 4E 2.54. However, I am very likely to be working from home on Mondays this semester.

Finally, please note that I hardly use Moodle at all, but it redirects you to my Maths 1 webpage. My homepage is

<http://people.bath.ac.uk/ensdasr>.