

# MA397-7.5 Consolidation

**22/23**

**Department**

Warwick Mathematics Institute

**Level**

Undergraduate Level 3

**Module leader**

Andrew Brendon-Penn

**Credit value**

7.5

**Module duration**

10 weeks

**Assessment**

Multiple

**Study location**

University of Warwick main campus, Coventry

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## Description

### Introductory description

A module intended for students identified by the second year exam board as requiring additional support. Through a combination of classes and individual supervision, students will cover major topics from the core first and second year modules: Foundations, Analysis and Linear Algebra from the first year; and Algebra I and II, Analysis III, Multivariable Calculus, and Norms, Metrics and Topologies from the second year.

[Module web page](#)

### Module aims

To provide individual attention for students recommended by the Second Year Exam Board to improve prospects of a good honours degree.

### Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

The tutor selects problems related to first year modules and to second year modules where the student's record indicates that further study is desirable. Each week, the student receive an

assignment of written work to be handed in. At the following tutorial, the student and the tutor discuss the student's answers and related material.

## Learning outcomes

By the end of the module, students should be able to:

- To improve upon your understanding of the material from the first two years, focusing primarily on the topics that you struggled with first time around.

## Indicative reading list

Recommendations will depend upon the individual. But, a comprehensive book list will be provided at the start of the course.

## Subject specific skills

The main subject-specific skills and knowledge we want students to develop are in core subjects such as analysis (including real analysis, complex analysis, vector analysis and metric spaces) and algebra (linear algebra, group theory, rings and fields).

## Transferable skills

The more transferable skills we want students to develop or enhance are a fluency and greater confidence with abstract mathematical thinking and problem-solving, that will ideally feed into their other final-year modules, but are also valued by prospective employers.

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## Study

### Study time

Type	Required	Optional
Seminars	(0%)	18 sessions of 1 hour
Tutorials	7 sessions of 1 hour (9%)	10 sessions of 1 hour
Private study	68 hours (91%)	
Total	75 hours	

### Private study description

Review lectured material and work on set exercises.

## Costs

No further costs have been identified for this module.

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## Assessment

You do not need to pass all assessment components to pass the module.

Students can register for this module without taking any assessment.

### Assessment group A1

	<b>Weighting</b>	<b>Study time</b>
Assessed work	100%	
Student's portfolio of written assignments, two short tests and explanations in the tutorials.		

### Assessment group R

	<b>Weighting</b>	<b>Study time</b>
Assessed work	100%	

### Feedback on assessment

Marked coursework.

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## Availability

### Courses

This module is Unusual option for:

- UMAA-G100 Undergraduate Mathematics (BSc)
  - Year 3 of G100 Mathematics
  - Year 3 of G100 Mathematics
  - Year 3 of G100 Mathematics
- Year 3 of UMAA-G103 Undergraduate Mathematics (MMath)