MA213-6 Second Year Essay

20/21

Department
Warwick Mathematics Institute
Level
Undergraduate Level 2
Module leader
Andrew Brendon-Penn
Credit value
6
Module duration
30 weeks
Assessment
Multiple
Study location
University of Warwick main campus, Coventry

Description

Introductory description

You can choose your own topic in consultation with your tutor (who must approve it) or base an essay on one of the Maths at Work topics after attending the talks.

Students may, and are strongly advised to, submit a draft of their essay to their tutor by the end of the first week of Term 2. You are expected to have consulted the web pages in the additional resources page on essay writing prior to submission of the draft. The tutor will provide written comments and discuss the draft, normally by Week 4 of Term 2.

Students have to give a 15-minute oral presentation of the essay to their tutor and a small group of other second year students, normally in week 9 of Term 2. This presentation is a compulsory requirement and 20% of the essay mark is allocated to the quality of the presentation. Students should seek advice, e.g. from their tutor, on how to convey the content of their essay within such a short period of time; they must not get bogged down in technicalities but they should not be vague.

Module web page

Module aims

To provide an opportunity for students to learn some mathematics directly from books and other sources.

To develop written and oral exposition skills.

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.

Students can choose their own topic in consultation with their tutor (who must approve it) or base an essay on one of the Maths at Work topics after attending the talks.

Learning outcomes

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

- To learn how to write mathematics well.
- To practice presenting mathematics orally to a group.
- To develop research skills, including planning, use of library and the internet.

Research element

The students will research their own topics, and look through many sources to come up with their own story but they will not be doing any original research.

Subject specific skills

Students have the opportunity to choose their own topic, and then to learn some in-depth mathematics directly from books and other sources. They will develop written and oral exposition skills and learn how to write mathematics well. They will develop research skills, including planning, use of library and the internet.

Transferable skills

- independent study
- research skills
- formal writing & typesetting
- experience of working under a supervisor
- oral presentation skills

Study

Study time

Type	Required	Optional
Lectures	(0%)	3 sessions of 1 hour
Total	120 hours	

Type	Required	Optional
Seminars	(0%)	2 sessions of 1 hour
Tutorials	(0%)	5 sessions of 1 hour
Private study	60 hours (50%)	
Assessment	60 hours (50%)	
Total	120 hours	

Private study description

60 hours independent study with guidance from Personal Tutor.

Costs

No further costs have been identified for this module.

Assessment

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

Assessment group A1

	Weighting	Study time
Essay Word limit: 12 pages	80%	52 hours
Oral presentation	20%	8 hours

Assessment group R

	Weighting	Study time
Essay Word limit: 12 pages	100%	

Feedback on assessment

Formative feedback available form personal tutor throughout year, including feedback on topic, plan, draft, oral presentation.

Availability

Courses

This module is Core for:

- Year 2 of UMAA-G105 Undergraduate Master of Mathematics (with Intercalated Year)
- UMAA-G100 Undergraduate Mathematics (BSc)
    - Year 2 of G100 Mathematics
    - Year 2 of G100 Mathematics
    - Year 2 of G100 Mathematics
- UMAA-G103 Undergraduate Mathematics (MMath)
    - Year 2 of G100 Mathematics
    - Year 2 of G103 Mathematics (MMath)
    - Year 2 of G103 Mathematics (MMath)
- Year 2 of UMAA-G106 Undergraduate Mathematics (MMath) with Study in Europe
- Year 2 of UMAA-G1NC Undergraduate Mathematics and Business Studies
- Year 2 of UMAA-G1N2 Undergraduate Mathematics and Business Studies (with Intercalated Year)
- Year 2 of UMAA-G101 Undergraduate Mathematics with Intercalated Year

This module is Core option list B for:

- Year 3 of UMAA-GV19 Undergraduate Mathematics and Philosophy with Specialism in Logic and Foundations

This module is Core option list C for:

- Year 2 of UMAA-GV19 Undergraduate Mathematics and Philosophy with Specialism in Logic and Foundations

This module is Option list A for:

- Year 2 of UMAA-GL11 Undergraduate Mathematics and Economics
- Year 2 of UECA-GL12 Undergraduate Mathematics and Economics (with Intercalated Year)