

*Presentation pattern*     *February to September and October to June*

*Module description*

This key introductory module provides a broad and enjoyable foundation for university-level mathematics. The module teaches the essential ideas and techniques that underpin university-level study in mathematics and mathematical subjects such as physics, engineering, computing and economics. A significant percentage of students are taking qualifications in subjects other than mathematics. They study a range of fundamental topics – including calculus, vectors, matrices and complex numbers – and use mathematical software to solve problems. They also develop their skills in communicating results and defining problems. Our MathsChoices website ([mathschoices.open.ac.uk](http://mathschoices.open.ac.uk)) contains quizzes, sample material and advice for students considering taking this module. .

*Person specification*

The person specification for this module should be read in conjunction with the [generic person specification](#) for an associate lecturer at The Open University.

As well as meeting all the requirements set out in the generic person specification, you should have:

- a good degree (or equivalent) in mathematics
- the ability to support the development of mathematical skills and study strategies in students who have varying abilities, interests and aspirations
- the ability to support students who are working towards qualifications in mathematics and disciplines other than mathematics
- an ability to describe complex topics in simple language to guide and facilitate learning
- an interest in supporting students in understanding the applications of mathematics
- an interest in using the module computer algebra package for teaching
  
- a willingness to use e-learning facilities, such as:
  - the module website, and other University websites, to download essential material and to retrieve other information
  - university systems for the purposes of monitoring students' progress
  - email and University forums for asynchronous communication with students, tutors, and other staff
  - online tutorials, where appropriate, in line with the module tuition strategy
  - on-screen marking of electronically submitted tutor-marked assignments

It would be an advantage to have:

- experience of teaching mathematics at this level to adults or students from a broad range of educational backgrounds.
- experience in using the module computer algebra package or equivalent

*Additional information*

This module will have a computer-marked examination as well as tutor-marked and computer-marked assignments.

As students on this module will have the choice to submit their tutor marked assignments (TMAs) electronically, via the online TMA/EMA service, you will be required to mark and provide feedback on TMAs submitted electronically and to return the marked work as an electronic file, in the prescribed form, to the online TMA/EMA service. You may also need to mark paper TMAs.

If the appointment process involves an electronic marking exercise, some guidance will be given for this. Further information and advice will be available should you be appointed to the role.

The exact nature of e-learning facilities and University systems for monitoring student progress and handling TMAs will evolve in future, and you will need to be prepared to adapt accordingly. Please note that, under current University policy, tutors are expected to use their own equipment for all aspects of e-learning.

*Module related details - a full explanation can be found on the website*

Credits awarded to the student for the successful completion of a module:	30
Number of assignments submitted by the student:	4
Method of submission for assignments:	1b
Level of ICT requirements:	2
Number of students likely to be in a standard group:	20
Salary band:	4
Estimated number of hours per teaching week:	4.5

*There may be opportunities for ALs to undertake associated assessment work for which there will be additional payment and about which you will be contacted separately if applicable.*