
 Developing geometric thinking ME627

Presentation pattern *October to April*

Module description

This module is for students who are interested in developing their knowledge and understanding of the learning of geometry at Key Stages 2–4. It integrates development of the core ideas of geometry with relevant pedagogical constructs and principles and will extend their awareness of how people learn and use geometry. There is no formal examination: assessment is based on three tutor-marked assignments and an end-of-module assessment. In order to complete these assessments, students will need access to at least one learner (but preferably more) of geometry in the Key Stages 2–4 range. This module can count as part of the Graduate Diploma in Mathematics Education.

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:

- broad experience of UK schools and UK mathematics education
- wide knowledge of mathematics education
- experience of using ICT in mathematics education
- experience of teaching adults
- experience of using dynamic geometry software.

It would be an advantage to have:

- experience of running mathematics in-service training
- a higher degree in mathematics education
- published papers related to geometry education
- an interest in mathematics education internationally.

Additional information

As students on this module will have the choice to submit their TMAs electronically, via the eTMA system, 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 eTMA system. If you are invited for an interview and the latter 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.

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:	3
Method of submission for assignments:	1b
Level of ICT requirements:	2
Number of students likely to be in a standard group:	15
Salary band:	4
Estimated number of hours per teaching week:	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.