Presentation pattern: October to June

Qualification description

Module description

This module is for any students who have an interest in the field of mathematics education and how people learn and think about shape, space and geometry. Students will develop deep professional knowledge that supports moving on to initial teacher education, tutoring or home education as well as their own mathematics. Students will work on geometry tasks that are accessible to school-age learners but lead into fundamental mathematical ideas. After studying pedagogic theory about how people think and reason in geometry, students will work with a learner (of any age) to identify progression in geometric thinking. Students will examine the geometry curriculum in different settings. Student will develop skills including adapting tasks, representing geometric reasoning effectively to others and using a range of digital technologies for study and for teaching. There is no formal examination: assessment is based on three tutor-marked assignments and an end-of-module assessment.

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:

- experience of UK schools and/or colleges

- knowledge of mathematics education research

- experience of using ICT in mathematics education, including dynamic geometry software

- experience of supporting adults to reflect and write about teaching mathematics

It would be an advantage to have:
- experience of running training for mathematics teachers

- a higher degree in mathematics education

- experience of designing mathematics tasks suitable for secondary school learners

- experience of interactive teaching using live online meetings

Additional information

Students on this module have online tutorials and submit their TMAs electronically. You will be required to plan and lead online tutorials using the OU's systems, currently Adobe Connect. You will also be required to mark and provide detailed feedback on TMAs submitted

electronically and to return the marked work as an electronic file, in the prescribed form, to the eTMA system. 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:	2
Level of ICT requirements:	WI
Number of students likely to be in a standard group:	15
Salary band:	4
Estimated number of hours per teaching week:	3.5

The teaching and assessment strategy for this module has not yet been approved and therefore the information is subject to change.