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Title: EXTENDING MATHEMATICS EDUCATION  
Status: Definitive  
Code: **6102PS** (103741)  
Version Start Date: 01-08-2016  
  
Owning School/Faculty: Education  
Teaching School/Faculty: Education

Team	Leader
Marcus Hill	Y
Robert Timlin	
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**Academic Level:** FHEQ6      **Credit Value:** 12      **Total Delivered Hours:** 24  
**Total Learning Hours:** 120      **Private Study:** 96

**Delivery Options**

Course typically offered: Semester 1

Component	Contact Hours
Lecture	22
Workshop	2

**Grading Basis:** 40 %

**Assessment Details**

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Essay	100	

**Aims**

*To ensure that students are competent teachers of mathematics across the primary phase.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Critically evaluate the extent to which research in mathematics education informs practice in the primary classroom.
- 2 Critically reflect upon what constitutes effective strategies for the learning and teaching of Mathematics
- 3 Critically analyse the transference of theory to practice in the planning, teaching and assessment of Mathematics across the primary phase

## Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

essay	1	2	3
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## Outline Syllabus

*Students will enhance their knowledge of, and critically reflect upon, the maths strands with a particular emphasis upon developing a professional practitioner. Further Development of Mathematical Subject Knowledge.*

*Development of calculation methods.*

*Problem solving approaches.*

*Use of ICT to teach primary mathematics*

*Research in Mathematics Education*

## Learning Activities

Students will develop their subject and pedagogical knowledge through interactive lectures and workshops backed up by independent learning.

## Notes

The teaching of this module guides students to higher levels of professional knowledge and conduct in planning for teaching and in actual teaching. The module also requires students to engage in the professional practice of reflection, analysis and discussion of contemporary issues associated with mathematics education.