

Liverpool John Moores University

Title: ISSUES IN MATHEMATICS EDUCATION
Status: Definitive
Code: **5211PSM** (104206)
Version Start Date: 01-08-2016
Owning School/Faculty: Education
Teaching School/Faculty: Education

Team	Leader
Marcus Hill	Y

Academic Level: FHEQ5
Credit Value: 24
Total Delivered Hours: 49
Total Learning Hours: 240
Private Study: 191

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	40
Off Site	7
Tutorial	1

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Examination	25	1
Essay	AS2	Fieldwork assignment (1000 word count)	35	
Essay	AS3	Essay (2400 word count)	40	

Aims

This module aims to enable students to develop insights and applicable knowledge of issues surrounding mathematics education, including contemporary secondary teaching techniques, the importance and use of assessment and the delivery of mathematics in an inclusive manner.

Learning Outcomes

After completing the module the student should be able to:

- 1 Identify and demonstrate an understanding of a variety of assessment methods in mathematics education
- 2 Analyse issues in the transition between Key Stages in mathematics
- 3 Identify and demonstrate an understanding of strategies for meeting the needs of pupils with Special Educational Needs in the learning of mathematics
- 4 Analyse, reflect on, report on and discuss a range of key issues in secondary mathematics teaching.

Learning Outcomes of Assessments

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

EXAM	3	4		
Fieldwork	1	2		
Essay	1	2	3	4

Outline Syllabus

The Key Stage 3 Mathematics National Curriculum
Approaches to teaching Algebra
Transitions between Key Stages
Post-14 mathematics education
Development of testing and assessment schools
Forms and functions of assessment
Assessing mathematical ability
Progression and assessment
Special educational needs and mathematics
Specific learning difficulties and mathematics
Language and mathematics
Inclusive practices in the mathematics classroom

Learning Activities

Through a range of interactive lectures, case studies and independent learning students will develop ideas for the delivery and assessment of mathematics. Some of these ideas will be tried in practice during placements and fieldwork.

Notes

This module aims to explore a range of issues central to mathematics education, especially concentrating on inclusive education, assessment for learning and secondary mathematics teaching.