

## Liverpool John Moores University

Title: Pedagogy in Primary Maths  
Status: Definitive  
Code: **7116PMA** (124677)  
Version Start Date: 01-08-2019

Owning School/Faculty: Education  
Teaching School/Faculty: Education

Team	Leader
Paul Killen	Y
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**Academic Level:** FHEQ7      **Credit Value:** 20      **Total Delivered Hours:** 62  
**Total Learning Hours:** 200      **Private Study:** 138

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	20
Off Site	6
Online	10
Seminar	5
Tutorial	1
Workshop	20

**Grading Basis:** 50 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Essay (AS1) Written assignment 4000 words equivalent.	100	

### Aims

*To enable students to have a critical understanding of mathematics in the primary curriculum.*

*To enable students to critically analyse and evaluate how mathematics is taught in the primary school.*

*To enable students to investigate the development of learners' understanding and barriers to learning mathematics in the primary school.*

*To enable students to critically evaluate strategies which promote learning in mathematics in the primary school.*

## **Learning Outcomes**

After completing the module the student should be able to:

- 1 Demonstrate systematic knowledge and understanding of fundamental concepts in mathematics teaching as they relate to the primary curriculum.
- 2 Critically analyse learners' conceptual understanding of mathematics in the primary context.
- 3 Interrogate research literature to provide a critique of pedagogy in the primary mathematics.
- 4 Articulate complex ideas using appropriate language and style.

## **Learning Outcomes of Assessments**

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

Essay 4000 words	1	2	3	4
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## **Outline Syllabus**

*The National Curriculum and frameworks and initiatives relating to primary mathematics.*

*Approaches to pedagogy in primary mathematics.*

*Current research and policies on learning, teaching and assessment applicable to primary mathematics.*

*Strategies/activities to use ICT to enhance teaching and learning in primary mathematics.*

*Effective learning within primary mathematics.*

*Issues in development of learning in primary learners with reference to primary mathematics.*

*Strategies for investigating research literature.*

*Carrying out small-scale investigation into learning.*

## **Learning Activities**

Key theoretical/policy perspectives, along with an overview of learner development and individual needs will be addressed in lectures.

Seminars and workshops/practical activities will provide opportunities to evaluate

learning, teaching and assessment activities within primary mathematics. A series of school based tasks will enable students to observe, practice, evaluate and reflect upon different approaches and strategies for teaching and assessing primary mathematics. Group tutorial support will be provided to enable students to develop their critical, analytical and evaluative skills in relation to their own approaches to learning, teaching and assessment within primary mathematics. Online activities will support and enhance student learning and engagement.

## **Notes**

The module uses a critical research-focused perspective to develop understanding of learning and teaching mathematics in the primary school and a critical appreciation of the barriers which may inhibit learning in the primary age range. This module will enable students to practice and critically analyse and evaluate different strategies and approaches to learning, teaching and assessment in primary mathematics through a series of tasks related to theoretical input.