Liverpool John Moores University

Title:	MATHS BEYOND THE TEXTBOOK IN POST INITIAL TEACHER TRAINING
Status:	Definitive
Code:	**6030PITTM** (119839)
Version Start Date:	01-08-2016
Owning School/Faculty:	Education
Teaching School/Faculty:	Education

Team	Leader
Neil Stanley	Y

Academic Level:	FHEQ6	**Credit Value:**	24	**Total Delivered Hours:**	48
Total Learning Hours:	240	**Private Study:**	192		

Delivery Options
Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	20
Seminar	8
Workshop	20

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	(6000 word equivalent)	100	

Aims

This module allows students to develop an appreciation of the nature and role of mathematics in society. Current issues concerning role mathematics education will be considered. It will also provide an insight into the development of mathematics through the study of a range of topics from the history of mathematics.

Learning Outcomes

After completing the module the student should be able to:

1	Compare and critically evaluate the main philosophical views of mathematics and mathematics education.
2	Assess and explain the relevance of the historical development of mathematics to the development of mathematics in the school curriculum
3	Solve mathematical problems drawn from the history of mathematics
4	Draw on research to critically assess approaches in mathematics education.

Learning Outcomes of Assessments

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

CW	1	2	3	4

Outline Syllabus

The philosophy of mathematics
The philosophy of mathematics education
The development of mathematics education in England and other parts of the United Kingdom
Key turning points in the history of mathematical thought
Key current issues in mathematics education

Learning Activities

Historical topics and key issues in mathematics education will be investigated through a mixture of interactive lectures; web-based learning and independent study.

Notes

The module provides an insight into the development of mathematical thought through a variety of interrelated ideas. This module will provide students with an insight into the development of educational theories as they relate to teaching mathematics and to current issues in mathematics education.