Liverpool John Moores University

Title:	FURTHER PURE MATHS
Status:	Definitive faculty appr change
Code:	6035PSM (115976)
Version Start Date:	01-08-2016
Owning School/Faculty:	Education
Teaching School/Faculty:	Education

Team	Leader
Philip Duggan	Y

Academic Level:	FHEQ6	Credit Value:	24	Total Delivered Hours:	50
Total Learning Hours:	240	Private Study:	190		

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours	
Lecture	48	

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Examination	50	2
Essay	AS2	Coursework - Written Task (4000 Words)	50	

Aims

To further extend students' knowledge and skill of particular mathematics useful for teaching at Key Stages 4 and 5 and to enable them to structure that knowledge in a meaningful way and apply it to a wide variety of situations.

Learning Outcomes

After completing the module the student should be able to:

- 1 Select and use appropriate mathematical techniques to solve synoptic problems in seen contexts.
- 2 Select and use appropriate mathematical techniques to solve snyoptic problems in unseen contexts.
- 3 Demonstrate an ability to communicate their extended mathematical understanding to others.

Learning Outcomes of Assessments

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

EXAM	1	
CW	2	3

Outline Syllabus

Complex numbers Standard methods for the solution of first and second order differential equations Matrices Numerical methods of solution of differential equations Applications of integration

Learning Activities

Students will engage in a variety of interactive lectures, workshops and seminars backed up by internet sessions and independent learning.

Notes

In this module students will take forward their subject knowledge up to degree level in the field of differential equations and integration.