Liverpool John Moores University

Title:	Pure Maths
Status:	Definitive
Code:	**3511IFYSP** (119749)
Version Start Date:	01-08-2017
Owning School/Faculty:	Academic Portfolio
Teaching School/Faculty:	Academic Portfolio

Team	Leader
Kamila Tomczak	Y

Academic Level:	FHEQ3	**Credit Value:**	24	**Total Delivered Hours:**	121.5
Total Learning Hours:	240	**Private Study:**	118.5		

Delivery Options
Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	60
Seminar	30
Tutorial	10
Workshop	20

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	1000 word report	50	
Exam	AS2	Exam	50	1.5

Aims

To provide international students with an understanding of mathematics in preparation for progression to UK first degree programmes in Science and Engineering.

To develop skill in mathematical application, method and technique.

To develop independent study skills in preparation for progression to Science and Engineering programmes.

Learning Outcomes

After completing the module the student should be able to:

1 Use mathematical notation, terminology, conventions and units correctly.
2 Interpret in mathematical terms verbal, graphical and tabular information.
3 Recognise and select mathematical methods suitable for the solution of problems.
4 Make logical deductions in the context of problem-solving.

Learning Outcomes of Assessments

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

Report	2	4
Exam	1	3

Outline Syllabus

Algebra
Co-ordinating Geometry, including points, lines and areas
Trigonometry
Differentiation
Integration
Handling data
Numerical methods
Vectors in 2 and 3 dimensions

Learning Activities

Lectures and workshops will comprise didactic teaching alongside continuous formative assessments such as in-class tests and problem-solving scenarios. Seminar activity will support these. Homework will support these activities, and should guide the student towards the development of self-study.

Notes

None