

Liverpool John Moores University

Title: PROJECT
Status: Definitive
Code: **6002PROJ** (119191)
Version Start Date: 01-08-2018

Owning School/Faculty: Applied Mathematics
Teaching School/Faculty: Applied Mathematics

Team	Leader
Ian Malabar	Y

Academic Level: FHEQ6
Credit Value: 36
Total Delivered Hours: 18
Total Learning Hours: 360
Private Study: 342

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	6
Seminar	12

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	AS1	Presentation to show progress midway through project.	10	
Presentation	AS2	Poster presentation summarising findings of the completed project.	10	
Report	AS3	Project report.	80	

Aims

To develop and widen the student's experience of tackling a substantial realistic problem selected from the domain of their programme.

To extend the students ability to communicate the solution to a significant problem.

Learning Outcomes

After completing the module the student should be able to:

- 1 Distinguish and analyse a problem specification.
- 2 Formulate a solution for the problem.
- 3 Employ the appropriate investigation, analysis, design and realisation of the problem.
- 4 Critically evaluate progress on the problem, midway through the project.
- 5 Effectively summarise the findings of the project.
- 6 Critically review the solution and results of the project.

Learning Outcomes of Assessments

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

Presentation	4				
Poster presentation	5				
Report	1	2	3	6	

Outline Syllabus

Each project is different but would be expected to include:

Identification of a problem within mathematics or statistics.

Background research on chosen topic.

Discussion of idea with a member of staff leading to the basis for the project specification.

Development of a project specification.

Once the specification has been approved then the student works on the project with guidance from their supervisor.

Research into potential solutions, analysis and evolution of solutions.

Project presentation to show project progress midway through project.

Poster presentation summarising the findings at the end of the project.

Write up of project to form final project report.

Learning Activities

Guidance sessions will be delivered on research methods, project planning and management, report writing.

Notes

This module presents the student with the opportunity to complete a substantial project with appropriate documentation at each stage.

The student will select a project from a list of brief project specifications or by proposing a suitable project him or herself. In particular, students are encouraged to bring a suitable project from their industrial placement. The student may consult those staff proposing projects before making their selection. A supervisor and moderator for the selected project will be assigned. The supervisor will normally be the proposer of the project, but this may not always be possible. A formal specification of the project will be written by the student within two weeks of the commencement and agreed by both the student and supervisor. The student will then be expected to carry out the project in accordance with the specification. The student is required to report progress to his or her supervisor on at least a fortnightly basis and can expect weekly contact if they so desire. More frequent contact with the supervisor can be arranged on a mutually agreed basis.