

Project

Module Information

2022.01, Approved

Summary Information

Module Code	6100MATHS
Formal Module Title	Project
Owning School	Computer Science and Mathematics
Career	Undergraduate
Credits	40
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Computer Science and Mathematics

Learning Methods

Learning Method Type	Hours
Lecture	6
Seminar	16

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	28 Weeks

Aims and Outcomes

Aims	To develop and widen the student's experience of tackling a substantial realistic problem selected from the domain of their programme by carrying out independent, yet supervised, research. To extend the students ability to communicate the solution to a significant problem.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Distinguish and analyse a problem specification.
MLO2	2	Formulate a solution for the problem.
MLO3	3	Carry out research which employs the appropriate investigation, analysis, design and realisation of the problem.
MLO4	4	Critically evaluate progress on the problem, midway through the project.
MLO5	5	Effectively summarise the findings of the project.
MLO6	6	Critically review the solution and results of the project.

Module Content

Outline Syllabus	Each research 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 research project specification. Development of a research project specification. Once the specification has been approved then the student works on the research 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.
Module Overview	The aim of this module is to develop and widen your experience of tackling a realistic problem selected from the domain of your programme by carrying out independent research to extend the your ability to communicate the solution to a significant problem.
Additional Information	This module presents the student with the opportunity to complete a substantial research project with appropriate documentation at each stage. The student will select a project from a list of research areas 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 proposed research 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 necessary research 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.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Presentation	PowerPoint Presentation	10	0	MLO4
Presentation	Poster Presentation	10	0	MLO5
Dissertation	Project Report	80	0	MLO1, MLO2, MLO3, MLO6

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Ian Malabar	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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