LIVERPOOL JOHN MOORES UNIVERSITY

MSc Dissertation

Module Information

2022.01, Approved

Summary Information

Module Code	7400MENR
Formal Module Title	MSc Dissertation
Owning School	Engineering
Career	Postgraduate Taught
Credits	60
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

Learning Methods

Learning Method Type	Hours
Tutorial	22

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	44 Weeks

Aims and Outcomes

Aims	The main aims of the project module are to demonstrate the student's ability to drive their own deep/thorough investigation, undertake high quality academic research and demonstrate critical evaluation of their results.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Undertake a comprehensive structured research programme into an appropriate engineering field
MLO2	2	Formulate a research plan and manage the resulting activities
MLO3	3	Demonstrate the ability to critically analyse and reflect on the work of other practitioners/researchers
MLO4	4	Demonstrate a deep technical understanding of their project and associated field of engineering
MLO5	5	Produce and defend an academic thesis that demonstrates the standard of scholarly activity commensurate with a level 7 post-graduate qualification

Module Content

Outline Syllabus	Projects may involve experiment, analysis, design and/or computation and shouldallow a student to demonstrate achievement of the module learning outcomes
Module Overview	
Additional Information	This is a very important module that represents 600 hours of self-driven scholarly activity.When considering a project it would be appropriate to select/choose a project in a subject area strongly associated with the MSc programme and/or one of the taught modules. For most students, this really means using the project as a means to develop a particular subject specialism, one that is aligned with future career objectives.Completion of the project module allows the student to concentrate fully on an area of work and hence develop a high level of subject knowledge and associated skills in that field.Completion of the project requires the production of an academic thesis. The thesis is a level 7 piece of work and as such would be expected to demonstrate a high level of scholarly activity.The choice of subject and formulation of the aims and objectives are mutually agreed between student and supervisor. Industrially based projects are acceptable as long as they offer the appropriate technical level and resources are available so as to ensure completion. Projects undertaken within the University would be judged by the same requirements. The main criteria being that the project and associated thesis must demonstrate the student's ability to drive their own deep/thorough investigation and demonstrate critical evaluation of the results and comparison with other published ideas/results/designs. These requirements have to be evidenced via the presentation of a well-constructed, well-presented and well-defended academic thesis and good performance in an associated oral examination. The best projects are often associated with supervisors that are undertaking scholarly activity/research or associated with some experimental work being undertaken by industrial collaborators.United Nations Sustainable Development Goals:4. Quality Education5. Gender Equality8. Decent Work and Economic Growth9. Industry, Innovation and Infrastructure11. Sustainable Cities and Communities12. Responsible Consumption and Production13. Climate Action14. Life Below Water15. Life on Land16. Peace, Justice and Strong Institutions17. Partnerships for the Goals

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Project plan	20	0	MLO2, MLO3
Presentation	Dissertation	60	0	MLO1, MLO3, MLO4, MLO5
Presentation	Presentation	20	0	MLO1, MLO2, MLO3, MLO5

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Alan Bury	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings