

## Liverpool John Moores University

Title: Engineering Project  
Status: Definitive  
Code: **6101MSE** (128576)  
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering  
Teaching School/Faculty: Engineering

Team	Leader
Ian Jenkinson	Y

**Academic Level:** FHEQ6  
**Credit Value:** 40  
**Total Delivered Hours:** 30  
**Total Learning Hours:** 400  
**Private Study:** 370

### Delivery Options

Course typically offered: Sum & Non Std S2 (S2 for Jan)

Component	Contact Hours
Seminar	6
Tutorial	24

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Project design proposal (3 000 words)	20	
Report	AS2	Final report (7 000 words)	60	
Presentation	AS3	Presentation and viva	20	

### Aims

*The project provides a supervised but student led learning activity in a relevant area of engineering or technology. It aims to develop the academic, technical and organisational skills required to undertake a substantial individual engineering project from specification to conclusion.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Conceptualise and design a significant self-managed project
- 2 Carry out a self-managed programme of work according to good project management practices
- 3 Research and critically evaluate information from the established body of knowledge
- 4 Demonstrate a deep technical understanding of their project
- 5 Critically evaluate all aspects of a project and formulate justified conclusions
- 6 Communicate technical information clearly and concisely through written reports and presentations

## Learning Outcomes of Assessments

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

Project Design and Planning	1	2	3	6	
Final Report	2	3	4	5	6
Presentation and viva	4	5	6		

## Outline Syllabus

*Students develop their own projects with the support from an allocated supervisor. The project may involve experiment, analysis, design and/or computation and should allow a student to demonstrate achievement of the module learning outcomes. Students will be supported by a series of seminars: Students will be supported by a series of seminars: (1) Project Design (project specification, design, and planning, consideration of ethics, risk, and safety); (2) Research Methods; (3-6) Quantitative methods (data sampling, data presentation, experimental methods).*

## Learning Activities

The project will be supported by regular tutorials with a project supervisor and a series of seminars.

## Notes

Students undertake a significant piece of project work under the supervision of a member of the academic staff. They are encouraged to generate their own project outline, subject to approval from the Module Leader and Supervisor. Alternatively, they may choose to develop a project from a list of titles supplied by a member of the academic team.