

Group Project

Module Information

2022.01, Approved

Summary Information

Module Code	7101MECH
Formal Module Title	Group Project
Owning School	Engineering
Career	Postgraduate Taught
Credits	40
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

Learning Methods

Learning Method Type	Hours
Tutorial	24

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	This module aims to build upon the Level 6 Mechanical Engineering Design module, by providing an authentic design project in conjunction with an internal or external client group or company (typically a research group or local industry). It will require students to demonstrate substantial independent initiative, working with the client to develop and communicate a design specification and project plan. The participants will select appropriate engineering and design processes and techniques to solve the problem.
------	--

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Work with a client to establish a set of requirements and specifications
MLO2	2	Actively manage the design process, while monitoring and reporting progress to a client
MLO3	3	Communicate design information and data effectively with a client
MLO4	4	Determine appropriate analytical approaches and apply them to the design of a solution which meets the client requirements
MLO5	5	Demonstrate professional interpersonal skills with both a client and a design team
MLO6	6	Identify relevant standards and apply them to the design process and validate designs to ensure compliance

Module Content

Outline Syllabus	Establishing project requirements in conjunction with an external or internal client Project planning and control to ensure an efficient, timely and effective outcome which meets client expectations Design delivery and execution of a technical design project, according to a plan Presentation of design solutions in a concise and professional way to an audience including the client, peers and academic staff
Module Overview	This module aims to build upon the Level 6 Mechanical Engineering Design module, by providing an authentic design project in conjunction with an internal or external client group or company. You will select appropriate engineering and design processes and techniques to solve the problem.
Additional Information	The project provides the opportunity to conduct a major learning activity on a relevant engineering or technical topic. The project requires the student group to demonstrate good project management, engineering skills application, critical evaluation and presentational skills in a team working environment.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Design Proposal & Project Plan	20	0	MLO1
Centralised Exam	Written & Oral Presentation	80	0	MLO2, MLO3, MLO4, MLO5, MLO6

Module Contacts

Module Leader

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

Partner Module Team

Contact Name	Applies to all offerings	Offerings
--------------	--------------------------	-----------