LIVERPOOL JOHN MOORES UNIVERSITY

Electrical Engineering Practice 2

Module Information

2022.01, Approved

Summary Information

Module Code	5505EEEBHG
Formal Module Title	Electrical Engineering Practice 2
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Beaconhouse Group

Learning Methods

Learning Method Type	Hours
Lecture	24
Practical	36
Tutorial	12

Module Offering(s)

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

Aims and Outcomes

Aims	To enable students to develop the skills required to practice as a professional engineer. This module provides a broad range of experiences with an emphasis upon the systematic thinking, planning and execution required of engineers in a modern professional environment. The students will be required to design build and test an electronic product to a given specification. The product will incorporate elements covered elsewhere on the course, including analogue electronics and a programmable device such as a microcontroller or FPGA.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Design, build and test an electronic product to a given specification.
MLO2	2	Demonstrate a commitment to conduct engineering activities in a professional manner.
MLO3	3	Research a topic, find relevant literature and produce a critical review.
MLO4	4	Demonstrate an awareness of the importance of management in the context of engineering projects. Apply principles of project management to the allocation of tasks and resources.

Module Content

Outline Syllabus	The list below provides an indicative list of topics which may be covered in this module:Experimental Practice• Complete a set of laboratory experiments• Observation, measurement and recording of experimental results• Data handling• Presenting and reporting of resultsProfessional Development• Health & Safety • Ethics• Institutional Code of ConductResearch Methods• Research & Library Skills• Report Writing• Critical ThinkingEngineering Management• Project Planning• Project Management
Module Overview	
Additional Information	The professional development portion of the module is assessed on a pass/fail basis. Students must complete the assessment exercises to a satisfactory standard in order to achieve a pass grade in this module.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Project Development	60	0	MLO1, MLO2
Presentation	Lit Review/project plan	40	0	MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Russell English	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings