

Electrical Engineering Practice 2

Module Information

2022.01, Approved

Summary Information

Module Code	5306CIT
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
Changshu Institute of Technology

Learning Methods

Learning Method Type	Hours
Lecture	8
Practical	24

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.
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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.
MLO5	5	Apply principles of project management to the allocation of tasks and resources.

Module Content

Outline Syllabus	1. Experimental Practice • Complete a set of laboratory experiments • Observation, measurement and recording of experimental results • Data handling • Presenting and reporting of results 2. Professional Development • World of Work: Silver Award • Health & Safety • Ethics • Institutional Code of Conduct 3. Research Methods • Research & Library Skills • Report Writing • Critical Thinking 4. Engineering 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. Reports are 2000 maximum word count.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Practice	Project Development	100	0	MLO1, MLO2, MLO3, MLO4, MLO5

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Martin Jones	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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