

Liverpool John Moores University

Title: Engineering Practice 2
Status: Definitive
Code: **5107SBC** (124869)
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering
Teaching School/Faculty: The Sino-British College

Team	Leader
Allan Carrier	Y

Academic Level: FHEQ5
Credit Value: 20
Total Delivered Hours: 44
Total Learning Hours: 200
Private Study: 156

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	12
Practical	24
Tutorial	8

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	Experimental Practice	50	
Essay	AS2	Professional Development	10	
Report	AS3	Literature Review	40	

Aims

To enable students to develop the skills required to practice as a professional engineer. This module provides a broad range of experiences including laboratory's and report writing skills required of a professional engineer.

Learning Outcomes

After completing the module the student should be able to:

- 1 Carry out a laboratory experiment, collect notes and data, and write a professional report
- 2 Demonstrate a commitment to conduct engineering activities in a professional manner
- 3 Research a topic, find relevant literature and produce a critical review

Learning Outcomes of Assessments

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

Experimental Practice	1
Professional Development	2
Literature Review	3

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 results*

Professional Development

Research Methods

- *Research & Library Skills*
- *Report Writing*
- *Critical Thinking*

Learning Activities

Laboratory experiments, tutorials, tests

Notes

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.