

Liverpool John Moores University

Title: Engineering Practice 2
Status: Definitive
Code: **5507USST** (126443)
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering
Teaching School/Faculty: University of Shanghai For Science and Technology

| 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 Design a suitable laboratory experiment to test a hypothesis, collecting suitable notes and data.
- 2 Demonstrate a commitment to conduct engineering activities in a professional manner
- 3 Conduct a literature survey and critical review of a suitable research a topic

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

Lectures, practicals and tutorials.

Notes

Students must complete the assessment exercises to a satisfactory standard in order to achieve a pass grade in this module.