

Engineering Project

Module Information

2022.01, Approved

Summary Information

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| Module Code | 6555USST |
| Formal Module Title | Engineering Project |
| Owning School | Engineering |
| Career | Undergraduate |
| Credits | 30 |
| Academic level | FHEQ Level 6 |
| Grading Schema | 40 |

Teaching Responsibility

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|-----------------------------------|
| LJMU Schools involved in Delivery |
| LJMU Partner Taught |

Partner Teaching Institution

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| Institution Name |
| University of Shanghai For Science and Technology |

Learning Methods

| Learning Method Type | Hours |
|----------------------|-------|
| Seminar | 4 |
| Tutorial | 11 |

Module Offering(s)

| Display Name | Location | Start Month | Duration Number Duration Unit |
|--------------|----------|-------------|-------------------------------|
| SEP-PAR | PAR | September | 28 Weeks |

Aims and Outcomes

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| Aims | The project aims to provide a supervised but student led learning activity in a relevant area of engineering or technology. It aims to develop the academic, technical and organisational skills required to undertake a substantial individual engineering project from specification to conclusion. |
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After completing the module the student should be able to:

Learning Outcomes

| Code | Number | Description |
|------|--------|---|
| MLO1 | 1 | Conceptualise and plan a supervised but self-led project |
| MLO2 | 2 | Conduct a self-managed programme of work according to good project management practices |
| MLO3 | 3 | Research and critically analyse the established body of knowledge relevant to the project |
| MLO4 | 4 | Demonstrate deep technical understanding of their project |
| MLO5 | 5 | Communicate technical information clearly and concisely in written and oral forms |
| MLO6 | 6 | Critically evaluate all aspects of a project and formulate justified conclusions |

Module Content

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| Outline Syllabus | Projects may involve experiment, analysis, design and/or computation and should allow a student to demonstrate achievement of the module learning outcomes. |
| Module Overview | |
| Additional Information | The project provides the opportunity to conduct a major supervised learning activity on a relevant engineering or technical topic. The project requires the student to demonstrate good project management, critical evaluation and presentation skills, based around a detailed design and analysis of an electrical/electronic circuit or function. |

Assessments

| Assignment Category | Assessment Name | Weight | Exam/Test Length (hours) | Module Learning Outcome Mapping |
|---------------------|-------------------------------|--------|--------------------------|---------------------------------|
| Report | Interim Report | 20 | 0 | MLO1, MLO2, MLO3, MLO5 |
| Dissertation | Final Report | 50 | 0 | MLO2, MLO3, MLO4, MLO5, MLO6 |
| Presentation | Presentation, Viva and Poster | 30 | 0 | MLO4, MLO5, MLO6 |

Module Contacts