

# Major Project Research Report

## Module Information

2022.01, Approved

### Summary Information

Module Code	6262PDE
Formal Module Title	Major Project Research Report
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

### Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

### Learning Methods

Learning Method Type	Hours
Lecture	11
Seminar	33

### Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

### Aims and Outcomes

Aims	Students will independently plan, organise and manage effective research in order to acquire new knowledge of a self-selected project. This module is designed to prepare and enable students to produce a research report that justifies the selection of a Major Project. It represents the culmination and consolidation of the student's research within their chosen project area
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Apply comprehensive analytical secondary research to a self-selected 1st order problem
MLO2	2	Undertake critical analysis of the chosen area of research
MLO3	3	Construct a robust argument for the design problem based on secondary research

### Module Content

Outline Syllabus	<p>The module is composed of an initial series of lectures and workshops/seminars including:</p> <ul style="list-style-type: none"> <li>• Problem identification and project selection criteria.</li> <li>• Reading and effective note taking.</li> <li>• Literature searching.</li> <li>• Evaluating technical literature and other sources of information</li> <li>• Harvard referencing and Endnote.</li> <li>• Qualitative and quantitative evaluation methods.</li> <li>• Critical thinking and analysis.</li> <li>• Presenting data.</li> <li>• Academic writing and communicating understanding of existing research in respect of a chosen area.</li> <li>• Academic writing. Structuring and formatting academic reports.</li> </ul> <p>Students are also encouraged to keep meticulous records and work diaries of their progress with the Major Project as a reflective practice technique to facilitate referencing and referral at the time of writing the project.</p>
Module Overview	<p><b>Aims</b>  <b>Students will independently plan, organise and manage effective research in order to acquire new knowledge of a self-selected project. This module is designed to prepare and enable students to produce a research report that justifies the selection of a Major Project. It represents the culmination and consolidation of the student's research within their chosen project area.</b></p> <p><b>Learning Outcomes</b>  <b>After completing the module the student should be able to:</b></p> <p><b>1 Apply comprehensive analytical secondary research to a self-selected 1st order problem.</b>  <b>2 Undertake critical analysis of the chosen area of research.</b>  <b>3 Construct a robust argument for the design problem based on secondary research.</b></p>
Additional Information	<p>UN Sustainable Development Goals            This module includes content, which relates to the following UN Sustainable Development Goals            This project module allows students to select a global first order problem and develop a user-centred solution within a suitable design domain. As such, this module has the capacity to cover a large range of the UN Sustainable Development Goals.</p>

### Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Dissertation	Major Project Research Report	100	0	MLO1, MLO2, MLO3

### Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Kevin Johnston	Yes	N/A

**Partner Module Team**

Contact Name	Applies to all offerings	Offerings
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