

## Research Project

### Module Information

2022.01, Approved

#### Summary Information

Module Code	6505CVQR
Formal Module Title	Research Project
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	40
Academic level	FHEQ Level 6
Grading Schema	40

#### Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

#### Partner Teaching Institution

Institution Name
Oryx Universal College WLL

#### Learning Methods

Learning Method Type	Hours
Lecture	22
Seminar	22
Tutorial	22

#### Module Offering(s)

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

## Aims and Outcomes

Aims	To enable students to complete a substantial piece of individual work and build on their expertise in their degree specialism. To develop students research, time management, presentation and written communication skills.
------	--

**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Identify a research question, problem or hypothesis and establish aims and objectives to support the investigation.
MLO2	2	Collate and appraise existing knowledge in an Engineering field relevant to your programme and present a critical evaluation in the form of a literature review
MLO3	3	Develop and refine a research and data collection strategy appropriate to the research question / problem posed, taking full account of ethical requirements.
MLO4	4	Source, collect, analyse and critically evaluate relevant and original qualitative and / or quantitative data.
MLO5	5	Critical evaluate the theoretical research carried out based on the collected data.
MLO6	6	Generate outcomes from research carried out.

## Module Content

Outline Syllabus	1. Introduction to the Dissertation- The selection of a Research Topic and formulation of a research question.- Establishing a research aim and setting / tailoring objectives to fulfil that goal- The structure and purpose of a dissertation2. Research Approaches and Strategies- The Inductive versus Deductive Approach- Qualitative and Quantitative Research- Data Collection Strategies- Laboratory work- The Knowledge Database. Effective Literature Searching and Literature Reviews3. Data Collection and Analysis- Data Collection Tools- Qualitative and Quantitative Data Analysis- Data Analysis tools
Module Overview	
Additional Information	The dissertation enables students to personally select, and complete an in-depth study on, a topic related to their degree specialism. The module develops students' practical research skills and enhances their knowledge and expertise in their degree specialism. As the completion of a dissertation is principally student-led the module offers the opportunity to further develop time management, presentation and communication skills.

## Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	PROPOSAL	5	0	MLO1, MLO2, MLO3
Dissertation	Dissertation	85	0	MLO1, MLO2, MLO3, MLO4, MLO5, MLO6

Presentation	PROGRESS PRESENTATION	10	0	MLO1, MLO2, MLO3, MLO4, MLO5, MLO6
--------------	--------------------------	----	---	--

## Module Contacts

### Module Leader

Contact Name	Applies to all offerings	Offerings
Patryk Kot	Yes	N/A

### Partner Module Team

Contact Name	Applies to all offerings	Offerings
--------------	--------------------------	-----------