Liverpool John Moores University

Title:	RESEARCH PROJECT
Status:	Definitive
Code:	**6205CIV** (122941)
Version Start Date:	01-08-2021
Owning School/Faculty:	Civil Engineering and Built Environment
Teaching School/Faculty:	Civil Engineering and Built Environment

Team	Leader
Patryk Kot	Y
Khalid Hashim	

Academic Level:	FHEQ6	**Credit Value:**	40	**Total Delivered Hours:**	48
Total Learning Hours:	400	**Private Study:**	352		

Delivery Options
Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	22
Seminar	4
Tutorial	22

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	PROPOSAL	5	
Dissertation	AS3	DISSERTATION 8000 WORDS	85	
Presentation	AS2	PROGRESS PRESENTATION	10	

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.

Learning Outcomes

After completing the module the student should be able to:

1	Identify a research question, problem or hypothesis and establish aims and objectives to support the investigation.
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.
3	Develop and refine a research and data collection strategy appropriate to the research question / problem posed.
4	Source, collect, analyse and critically evaluate relevant and original qualitative and / or quantitative data.
5	Conduct an appropriate practical and/or laboratory programme to validate theoretical research, taking full account of ethical requirements.
6	Present the outcomes and methodology of your research

Learning Outcomes of Assessments

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

PROPOSAL	1	2	3			
DISSERTATION 8000 WORDS	1	2	3	4	5	6
PROGRESS PRESENTATION	1	2	3	4	5	6

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 dissertation

2. 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 Reviews

3. Data Collection and Analysis
- Data Collection Tools
- Qualitative and Quantitative Data Analysis
- Data Analysis tools

Learning Activities

Individual study and investigation, supported by nominated Supervisor; lectures; workshops.

Notes

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.