LIVERPOOL JOHN MOORES UNIVERSITY

Building Engineering Research Methods

Module Information

2022.01, Approved

Summary Information

Module Code	5223BEUG
Formal Module Title	Building Engineering Research Methods
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	10
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

Learning Methods

Learning Method Type	Hours
Lecture	20
Tutorial	10

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	To understand the academic research process and the differing techniques, strategies and methods used to undertake engineering research in the built environmentTo develop a research proposal that can be taken forward to the final year research project

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Appraise, compare and interpret key theories, concepts and methodological issues related to engineering research in the built environment.
MLO2	2	Explain and relate the nature and purpose of each stage in the research process and be able to justify options.
MLO3	3	Design and propose a research project on a specific area of study, including ethical consideration.

Module Content

Outline Syllabus	• Developing research questions, aims and objectives• Engineering research design and theoretical approaches• Engineering research strategies• Engineering research methods• Ethical principles in research
Module Overview	The aim of this module is to understand the academic research process and the differing techniques, strategies and methods used to undertake engineering research in the built environment. You will develop a research proposal that can be taken forward to the final year research project.
Additional Information	The research methods module enables students to develop an engineering research proposal that could potentially be used for their final year research project. A supervisor will be nominated at the beginning of the module to work individually with each student.In this module, the knowledge learning outcomes are K3, K4, K6 and K8.

Assessments

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

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Jeff Cullen	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings