LIVERPOOL JOHN MOORES UNIVERSITY

Research Methodology

Module Information

2022.01, Approved

Summary Information

Module Code	7001BEPG
Formal Module Title	Research Methodology
Owning School	Civil Engineering and Built Environment
Career	Postgraduate Taught
Credits	10
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

Learning Methods

Learning Method Type	Hours
Lecture	14
Seminar	8

Module Offering(s)

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

Aims and Outcomes

Aims	To provide an understanding of the academic research process understanding the differing techniques, strategies and methods used to undertake research in the built environment.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically evaluate key theories, concepts and methodological issues related to research in Civil Engineering and/or Water, Energy and the Environment.
MLO2	2	Critically evaluate relevant published research literature in terms of its methodology.
MLO3	3	Evaluate the nature and purpose of each stage in the research process and be able to justify options related to the preparation of a post-graduate research study.
MLO4	4	Design an experimental research proposal, with appropriate techniques for obtaining and analysing data and minimising errors.

Module Content

Outline Syllabus	Overview of the research process focusing on research design and strategy.Formulation of a research question and specific area of study.Information sources and the purpose, nature and scope of literature reviewing. Data collection techniques used in quantitative and qualitative research.Process of data validation, inputting, and analysis.Interpretation, discussion and conclusions of research findings.
Module Overview	This module provides an understanding of the academic research process, its techniques, strategies and methods. It develops your understanding and provides skills in research design, implementation and presentation.
Additional Information	The module develops students' understanding of the research process as well as skills in research design, implementation and presentation in terms of the preparation and production of a post-graduate research study.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Report 1	50	0	MLO2
Report	Report 2	50	0	MLO1, MLO3, MLO4

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