

## Research Methods

### Module Information

2022.01, Approved

#### Summary Information

Module Code	7400BEPGDL
Formal Module Title	Research Methods
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
Online	11

#### Module Offering(s)

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

#### Aims and Outcomes

Aims	To provide a critical understanding of the academic research process understanding the differing techniques, strategies and methods used to undertake research in the built environment.
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**After completing the module the student should be able to:**

#### Learning Outcomes

Code	Number	Description
MLO1	1	Critically appraise, compare and interpret key theories, concepts and methodological issues related to research in the built environment.
MLO2	2	Critically explain and relate 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.
MLO3	3	Critically apply and propose appropriate research knowledge and techniques to each stage of the research process.

## 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 focuses on your critical understanding of the research process. In preparation for your research study, it also develops skills in research design, implementation and presentation. You will come to understand the differing techniques, strategies and methods used to undertake research in the built environment.
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	100	0	MLO1, MLO2, MLO3

## Module Contacts

### Module Leader

Contact Name	Applies to all offerings	Offerings
Ali Rostami	Yes	N/A

### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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