

Liverpool John Moores University

Title: ADVANCED RESEARCH METHODS
Status: Definitive
Code: **6501ICBTQS** (127106)
Version Start Date: 01-08-2021

Owning School/Faculty: Civil Engineering and Built Environment
Teaching School/Faculty: ICBT, Colombo

Team	Leader
Mohan Siriwardena	Y

Academic Level: FHEQ6
Credit Value: 10
Total Delivered Hours: 30
Total Learning Hours: 100
Private Study: 70

Delivery Options

Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Workshop	30

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	RESEARCH PROPOSAL	100	

Aims

To evaluate the academic research process and the differing techniques, strategies and methods used to undertake research in the built environment.

To develop a research proposal that can be taken forward to the final year research project.

Learning Outcomes

After completing the module the student should be able to:

- 1 Appraise, compare and interpret key theories, concepts and methodological issues related to research in the built environment
- 2 Explain and relate the nature and purpose of each stage in the research process and be able to justify options
- 3 Design and propose a research project on a specific area of study, including ethical consideration
- 4 Evaluate the alternative methods that are available to analyse qualitative and quantitative data

Learning Outcomes of Assessments

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

RESEARCH PROPOSAL 1 2 3 4

Outline Syllabus

Developing research questions, aims and objectives.

Research design and theoretical approaches - exploration of quantitative, qualitative and mixed methods design and particular philosophical approaches.

Research strategies - including case study research, survey research, and observational research.

Research methods - data collection methods such as questionnaires, interview and secondary data analysis.

Ethical principles in research - how to conduct research ethically and responsibly.

Learning Activities

This module will be delivered as a distance learning package. All of the materials required to enable students to develop knowledge and apply this knowledge to achieve the learning outcomes via the assessments, will be provided either in hard copy or electronically on Canvas. On an allocated date for each cohort, a series of workshops will be held to help to support students in their studies.

Notes

The research methods module enables students to develop and 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.