

Warning: An incomplete or missing proforma may have resulted from system verification processing

Title: ADVANCED RESEARCH METHODS
Status: Definitive
Code: **6501ICBTQT** (128525)
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: Semester 1 and Summer

| 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 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

Workshop.

Notes

A supervisor will be nominated at the beginning of the module to work individually with each student.