

Liverpool John Moores University

Title: INDIVIDUAL STUDENT PROJECT
Status: Definitive
Code: **5508ICBTCE** (126975)
Version Start Date: 01-08-2021

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

Team	Leader
Alison Cotgrave	Y

Academic Level: FHEQ5 **Credit Value:** 10 **Total Delivered Hours:** 60
Total Learning Hours: 100 **Private Study:** 40

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	30
Tutorial	30

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Viva and Interim Presentation	30	
Report	AS2	Individual Student Paper (3000 words)	70	

Aims

The module aims to enable you to complete a substantial piece of individual work and build on your expertise in a selected area of study. It aims to develop your research, time management, presentation and written communication skills.

Learning Outcomes

After completing the module the student should be able to:

- 1 Identify a research question, problem or hypothesis and establish aims and objectives to support the investigation.
- 2 Communicate the planned project work using standard methods and tools.
- 3 Collate, and appraise existing knowledge in a Civil Engineering field and present a critical evaluation in the form of a literature review.
- 4 Develop a research and data collection strategy appropriate to the research question / problem posed.
- 5 Source, collect, and analyse relevant and original qualitative and / or quantitative data.
- 6 Critically evaluate the research findings using reasoned and logical arguments within a structured written framework.

Learning Outcomes of Assessments

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

PRACTICAL EXAM	1	2	3	4	5	6
COURSE WORK	1	2	3	4	5	6

Outline Syllabus

Introduction to the Individual Project

- *The selection of a Research Topic and formulation of a research question.*
- *Establishing a research aim and setting / tailoring objectives to fulfil that goal*
- *The structure and purpose of Individual Project*
- *Importance of literature study and identification of knowledge gaps*
- *Use of appropriate referencing system*

Research Approaches and Strategies

- *The Inductive versus Deductive Approach*
- *Qualitative and Quantitative Research*
- *Data Collection Strategies (Interviews, Field Tests, Lab Tests, Surveys, Questionnaires, Case Studies)*
- *The Knowledge Database. Effective Literature Searching and Literature Reviews*

Data Collection and Analysis

- *Data Collection Tools including Bristol on-line surveys/Google form/etc., Use of OneNote/ etc.*
- *Qualitative and Quantitative Data Analysis*
- *Data Analysis tools including SPSS and NVivo*

Learning Activities

Students will be supported in their learning, to achieve the above learning outcomes, in the following ways:

By a series of lectures and through participation within supervised research project.

A recommended resource list - indicating key reading, internet support and physical learning assistance, is provided to help enable students to undertake self-directed study.

Notes

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