

Liverpool John Moores University

Title: INDIVIDUAL STUDENT PROJECT
Status: Definitive
Code: **5511ICBTCE** (128424)
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:** 15 **Total Delivered Hours:** 60
Total Learning Hours: 150 **Private Study:** 90

Delivery Options

Course typically offered: S2 and Non Std S2 (S2 for Jan)

Component	Contact Hours
Lecture	30
Tutorial	30

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Report (2500 words)	70	
Presentation	AS2	Presentation	30	

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 and communicate the planned project work using standard methods and tools.
- 2 Collate and appraise existing knowledge in a Civil Engineering field and present a critical evaluation in the form of a literature review.
- 3 Develop a research and data collection strategy appropriate to the research question/problem posed and source, collect, and analyse relevant and original qualitative and/or quantitative data.
- 4 Discuss and communicate 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:

Report (2500 words)	2	3	4
Presentation	1		

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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