

Liverpool John Moores University

Title: INDIVIDUAL STUDENT PROJECT
Status: Definitive
Code: **5501ICPDCE** (126995)
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: 20
Total Delivered Hours: 15
Total Learning Hours: 200
Private Study: 185

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	15

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	AS1	Presentation/Viva (10 minutes)	30	
Report	AS2	Report (2500 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 Collate, and appraise existing knowledge in a Civil Engineering field and present an evaluation in the form of a literature review
- 3 Develop data collection strategy appropriate to the research question / problem posed
- 4 Present project proposal to a suitable audience

Learning Outcomes of Assessments

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

Presentation/Viva	4		
Report	1	2	3

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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