

### Module Description

The aim of this module is to encourage the learner to engage with industry, by way of case study opportunities in the construction industry. The module activities will allow the learner to further develop their research and academic writing skills. This module will allow integration of assessments with other modules in the semester.

### Learning Outcomes

**On completion of this module the learner will/should be able to:**

1. Investigate and refine the case study research topic to develop their research aim.
2. Select appropriate research methods and techniques.
3. Use case study research techniques to evaluate construction projects.
4. Compose a case study report utilising appropriate information communication technology (ICT).
5. Present and discuss the case study conclusions, ideas, insights, analysis, policy and best practice.

### Indicative Syllabus

#### Case Study Selection and Research Aim

#### Methods & Techniques

- Case Research - Selection of an appropriate case, setting the context, data collection options.
- Action Research - Defining the inquiry, describing the situation, data collection, evaluation and review. Introducing and monitoring change.
- Quantitative & Qualitative Approaches - Understand the characteristics of both quantitative and qualitative data collection. Explore the context of the research aim, and identify the data collection approach most appropriate to the circumstances. Identify ethical issues.
- Analysing data - Review logical procedure for data analysis- Survey and analyse data collected, and plan the most appropriate method to interpret the data (both quantitative and qualitative). Explore the various approaches for interpreting the results of quantitative research. For qualitative research, review the process of data categorisation. Identify differences and relationships within the data, and explore this in the context of the research aim.

#### Communication Skills

- Develop digital communication skills using ICT software such as MS Office and GIS.

### Teaching and Learning Strategy

### Assessment Strategy

Coursework may comprise of a mix of approaches encompassing, practical's, presentations, portfolios, class tests, quizzes, group work and integrated assessment. Details of the nature of assessment and submission dates are contained in the annual Programme Assessment Schedule.

### Repeat Assessment Strategies

The repeat method will be as outlined in the assessment schedule distributed each semester.

<b>Indicative Coursework and Continuous Assessment:</b>		<b>100 %</b>		
<b>Form</b>	<b>Title</b>	<b>Percent</b>	<b>Week (Indicative)</b>	<b>Learning Outcomes</b>
Assignment	Research Aim, Objectives and Case Study selection	10 %	OnGoing	1
Assignment	Research and Academic Writing class exercises	25 %	OnGoing	2,3,5
Assignment	Case study report	50 %	OnGoing	4
Oral Exam/Presentation	Case study presentation	15 %	OnGoing	5

<b>Full Time Delivery Mode:</b>			<b>2.00 Hours</b>		
<b>Type</b>	<b>Description</b>	<b>Location</b>	<b>Hours</b>	<b>Frequency</b>	<b>Weekly Avg</b>
Lecture	Lectures	Lecture Theatre	2	Weekly	2.00
Independent Learning	Independent Learning	Not Specified	6	Weekly	6.00

<b>Blended Delivery Mode:</b>			<b>2.00 Hours</b>		
<b>Type</b>	<b>Description</b>	<b>Location</b>	<b>Hours</b>	<b>Frequency</b>	<b>Weekly Avg</b>
Lecture	Lectures	Lecture Theatre	2	Weekly	2.00
Independent Learning	Independent Learning	Not Specified	6	Weekly	6.00

