

APPROVED**INTR8034: BIM Project - Research Phase****Module Details**

Module Code:	INTR8034
Title:	BIM Project - Research Phase APPROVED
Long Title:	BIM Project - Research Phase
NFQ Level:	Advanced
Valid From:	Semester 1 - 2020/21 (September 2020)
Duration:	1 Semester
Credits:	5
Field of Study:	5213 - Interdisciplinary Engineering
Module Delivered in:	2 programme(s)
Module Description:	Beginning with an approved outline brief, typically a project title and outline objectives, the learner develops the knowledge, know-how and skills, and competences required to successfully research, develop, scope the project and present an implementation plan. This module requires the learner either individually or as part of a team to develop research, problem analysis and project planning skills. The learner is expected to be self motivated whilst under direction of a project supervisor and to communicate the process and outcomes of their work in a style and manner appropriate for professional practitioners in their discipline.

Learning Outcomes

On successful completion of this module the learner will be able to:

#	Learning Outcome Description
LO1	Undertake a comprehensive review of relevant and appropriate literature to determine current knowledge in the area of building information modelling and management.
LO2	Utilising professional skills developed throughout the curriculum, outline a number of viable methodologies to address the identified project area.
LO3	Select the most likely methodology by exercising professional judgement in evaluating potential courses of actions against appropriate design, safety, commercial and ethical criteria.
LO4	Develop a project plan to implement the proposed methodology.
LO5	Demonstrate the appropriate written and oral communication skills required of the professional practitioner.

Dependencies**Module Recommendations**

None

Incompatible Modules

None

Co-requisite Modules

No Co-requisite modules listed

Requirements

None

Indicative Content**Literature Survey**

Gathering, critically analysing and referencing research and other appropriate literature.

Core Problem

Identifying and formulating the core research question.

Development of Methodology

Formulate and assess viable methodologies to address the identified research question with a view to identifying the most appropriate methodology.

Written Report

Writing a professional report in a manner appropriate to the discipline.

Oral Presentation

Making an oral presentation of the project plan.

Module Content & Assessment

Assessment Breakdown	%
Coursework	100.00%

Assessments

Coursework			
Assessment Type	Presentation	% of Total Mark	20
Timing	Week 4	Learning Outcomes	1,2
Assessment Description	Short presentation to determine if learner has engaged with the project		
Assessment Type	Written Report	% of Total Mark	80
Timing	Sem End	Learning Outcomes	3,4,5
Assessment Description	Comprehensive professional report detailing work achieved.		
No End of Module Formal Examination			
Reassessment Requirement			
Coursework Only			
This module is reassessed solely on the basis of re-submitted coursework. There is no repeat written examination.			

Module Workload

Workload: Full Time					
Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecturer-Supervised Learning (Contact)	Contact	Research supervision	Every Week	0.25	0.25
Independent & Directed Learning (Non-contact)	Non Contact	Independent work	Every Week	6.75	6.75
Total Hours					7.00
Total Weekly Learner Workload					7.00
Total Weekly Contact Hours					0.25

Workload: Part Time					
Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecturer-Supervised Learning (Contact)	Contact	Research supervision	Every Week	0.25	0.25
Independent & Directed Learning (Non-contact)	Non Contact	Independent work	Every Week	6.75	6.75
Total Hours					7.00
Total Weekly Learner Workload					7.00
Total Weekly Contact Hours					0.25

Module Resources					
This module does not have any book resources					
This module does not have any article/paper resources					
This module does not have any other resources					

Module Delivered in			
Programme Code	Programme	Semester	Delivery
CR_CBIMM_8	Bachelor of Science (Honours) in Building Information Modelling and Management	-1	Mandatory
CR_CABIM_8	Certificate in Applied Building Information Modelling and Management	-1	Mandatory