



Title:	Project - Research Phase APPROVED
Long Title:	Project - Research Phase
Module Code:	INTR8016
Duration:	1 Semester
Credits:	5
NFQ Level:	Advanced
Field of Study:	Interdisciplinary Engineering
Valid From:	Semester 1 - 2009/10 (September 2009)
Module Delivered in	6 programme(s)
Module Coordinator:	Sean McSweeney
Module Author:	STEPHEN CASSIDY
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	
<i>On successful completion of this module the learner will be able to:</i>	
LO1	Undertake a comprehensive review of relevant and appropriate literature to determine current knowledge in the project area.
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 practioner.
Pre-requisite learning	
Module Recommendations	
<i>This is prior learning (or a practical skill) that is strongly recommended before enrolment in this module. You may enrol in this module if you have not acquired the recommended learning but you will have considerable difficulty in passing (i.e. achieving the learning outcomes of) the module. While the prior learning is expressed as named CIT module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).</i>	
None	
Incompatible Modules	
<i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module. You may not earn additional credit for the same learning and therefore you may not enrol in this module if you have successfully completed any modules in the incompatible list.</i>	
None	
Co-requisite Modules	
No Co-requisite modules listed	
Requirements	
<i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed. You may not enrol on this module if you have not acquired the learning specified in this section.</i>	

None

Module Content & Assessment

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.

Assessment Breakdown

	%
Course Work	100.00%

Course Work

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Presentation	Short presentation to determine if learner has engaged with the project	1,2	20.0	Week 4
Written Report	Comprehensive professional report detailing work achieved.	3,4,5	80.0	Sem End

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.

The institute reserves the right to alter the nature and timings of assessment



Module Workload

Workload: Full Time				
<i>Workload Type</i>	<i>Workload Description</i>	<i>Hours</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Independent & Directed Learning (Non-contact)	Independant work	6.75	Every Week	6.75
Lecturer-Supervised Learning (Contact)	No Description	0.25	Every Week	0.25
Total Hours				7.00
Total Weekly Learner Workload				7.00
Total Weekly Contact Hours				0.25

This module has no Part Time workload.

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

Module Delivered in

Programme Code	Programme	Semester	Delivery
CR_CSTRU_8	<u>Bachelor of Engineering (Honours) in Structural Engineering</u>	7	Mandatory
CR_KSDEV_8	<u>Bachelor of Science (Honours) in Software Development</u>	7	Mandatory
CR_BAGRI_8	<u>Bachelor of Science (Honours) in Agriculture</u>	1	Mandatory
CR_KDNET_8	<u>Bachelor of Science (Honours) in Computer Systems</u>	7	Mandatory
CR_BHORT_8	<u>Bachelor of Science (Honours) in Horticulture</u>	1	Mandatory
CR_KITMN_8	<u>Bachelor of Science (Honours) in IT Management</u>	7	Mandatory