

Title:	Research Project Development APPROVED
Long Title:	Research Project Development
Module Code:	INTR9011
Credits:	5
NFQ Level:	Expert
Field of Study:	Interdisciplinary Engineering
Valid From:	Semester 1 - 2014/15 (September 2014)
Module Delivered in	4 programme(s)
Module Coordinator:	DANIEL CAHILL
Module Author:	DANIEL CAHILL
Module Description:	This module requires the learner to develop a project plan, complete with a schedule of research work as appropriate for the chosen research problem. The learner should critically evaluate a number of potential solutions where appropriate. The learner will present the research findings in oral and written form.
Learning Outcomes	
<i>On successful completion of this module the learner will be able to:</i>	
LO1	Develop a research methodology and project plan for the research project.
LO2	Undertake preliminary qualitative and/or quantitative research work as appropriate.
LO3	Use professional skills to critically evaluate the potential solution(s) to the identified research problem.
LO4	Communicate project details and outcomes using appropriate oral and written skills.
LO5	Evaluate how the project contributes to furthering knowledge in the specific research field.
LO6	Identify a peer-review conference or journal paper for the potential publication of the research work.
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>	
No recommendations listed	
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>	
No incompatible modules listed	
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>	
No requirements listed	
Co-requisites	
No Co Requisites listed	

Module Content & Assessment

Indicative Content

Research Skills

Review research skills including technical report writing, research methodology and project planning.

Thesis Development and Publication

Structure of a Masters thesis and a peer-review conference/journal paper. Preparation for conference presentation. The learner will identify an appropriate conference/journal paper for their research and will identify how the research work may contribute to furthering knowledge in the specific research field.

Creativity and innovation

The learner is expected to show creativity and innovation in their research work.

Preliminary Research Work

Preliminary qualitative and/or quantitative research work must be undertaken to enhance and develop the learner's understanding of the specific research problem addressed. Critically evaluate a number of potential solutions to the research problem, where appropriate.

Project report

Present a written technical report which communicates the research work undertaken to include the project brief, work schedule, the analysis and outcomes of the preliminary work, overall findings and a project plan for the realisation phase. The learner must demonstrate a fundamental understanding of the research problem addressed.

Assessment Breakdown

%

Course Work

100.00%

Course Work

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Oral Examination/Interview	Submit a report on the work undertaken including research methodology and project plan.	1,4	10.0	Week 4
Written Report	Submit a comprehensive professional report which synthesises the work undertaken.	1,2,3,4,5	90.0	Week 9

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>
Lecture	Review of research skills	1.0	Every Second Week	0.50
Lecturer-Supervised Learning (Contact)	Review of progress	0.5	Every Week	0.50
Independent & Directed Learning (Non-contact)	Project work and independent learning	6.0	Every Week	6.00
Total Hours				7.50
Total Weekly Learner Workload				7.00
Total Weekly Contact Hours				1.00

Workload: Part Time

<i>Workload Type</i>	<i>Workload Description</i>	<i>Hours</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	Review of research skills	1.0	Every Second Week	0.50
Lecturer-Supervised Learning (Contact)	Review of progress	0.5	Every Week	0.50
Independent & Directed Learning (Non-contact)	Project work and independent learning	6.0	Every Week	6.00
Total Hours				7.50
Total Weekly Learner Workload				7.00
Total Weekly Contact Hours				1.00

Module Resources
<i>Recommended Book Resources</i>
<ul style="list-style-type: none"> • Gina Wisker 2008, <i>The postgraduate research handbook</i>, 2nd Ed. Ed., Palgrave London [ISBN: 978-0-230-52130-8] • John A. Sharp, John Peters, and Keith Howard 2006, <i>The management of a student research project</i>, 3rd Ed. Ed., Gower London [ISBN: 0-566-08490-2] • Levin, P. 2008, <i>Excellent Dissertations, Student Friendly Guides</i>, McGraw-Hill London [ISBN: 13-978-033521822-6] • John W. Creswell 2009, <i>Research Design Qualitative and Mixed Method Approaches</i>, 3rd Ed Ed., Sage Publications Thousand Oaks, Calif. [ISBN: 978-1-4129-6557-6] • edited by Andrew Knight, Les Ruddock 2008, <i>Advanced research methods in the built environment</i>, Wiley Blackwell [ISBN: 978-1-4051-6110-7] • Mark Saunders, 2009, <i>Research Methods for Business Students</i>, 5th Ed Ed., Prentice Hall [ISBN: 978-0-273-71686-0]
<i>Supplementary Book Resources</i>
<ul style="list-style-type: none"> • Robert K. Yin (Editor) 2009, <i>Case Study Research: Design and Methods</i>, 4th Ed. Ed., Sage Publications [ISBN: 978-1-4129-6099-1] • John W. Creswell, 2007, <i>Qualitative Inquiry and Research Design</i>, 2nd Ed. Ed., Sage Publications [ISBN: 978-1-4129-1607-3]
<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_CARCT_9	<u>Master of Science in Architectural Technical Design</u>	2	Mandatory
CR_DINAR_9	<u>Master of Science in Interior Architecture</u>	2	Mandatory
CR_CCOPM_9	<u>Masters of Science in Construction Project Management</u>	2	Mandatory
CR_CCNPM_9	<u>Postgraduate Diploma in Science in Construction Project Management</u>	2	Elective