

Module Code	Pre-requisite Module codes	Co-Requisite Modules code(s)	ISCED Code	Subject Code	ECTS Credits	NFQ Level (CPD)#
CMPU 4081					10	8
Module Title	Information Systems Research Practice					

Information Systems Research Practice

School Responsible:	School of Computing
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Module Overview:

Throughout the project and product life cycles, IS professionals are required to prepare a range of technical documents and to communicate their ideas. This is often preceded and underpinned by technical research appropriate to information systems.

This module uses the research process to introduce students to the practice of written and oral communications in the modern Information Technology environment. Students will thus develop their knowledge, skills, and competences in written and oral communication, and will also conduct initial investigative research and development into an individual research topic.

The aim of this module is to provide student IS practitioners with the skills they require to research issues in the IS domain and to report and present their findings.

Learning Outcomes (LO):

On Completion of this module, the learner will be able to

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|----------|-------------------------------------------------------------------|
| 1 | Research and report IS topics |
| 2 | Select a practical task appropriate to an honours degree |
| 3 | Prepare a systems project proposal |
| 4 | Prepare a professional presentation |
| 5 | Use modern tools and techniques appropriate to the IS researcher. |

Indicative Syllabus:

Researching an IS topic

- Understanding the domain of IS research, conceptual IS models for researchers, IS research methods, qualitative and quantitative research, the research process.

Technical document writing

- Document structure, format, language and style.
- Typical examples for the IS practitioner: research proposal documents, project reporting, reviewing and reporting academic research, product and user manuals.

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<p>Oral presentation</p> <ul style="list-style-type: none"> • Presentation aim, structure, content, visual aids, slide quality, presenter credibility, body language, vocal authority, engaging the audience. <p>Progressing a Final Year project</p> <ul style="list-style-type: none"> • Final Year Project life cycle, research for the project, structure of project report, project management and milestones, taking ownership of the project, demonstrating the completed project, ethics for undergraduate projects. <p>Tools for success</p> <ul style="list-style-type: none"> • Research resources at DIT • Text processing, graphics, brainstorming diagrams and presentation tools • Plagiarism detection software • UML modelling

Learning and Teaching Methods:	
The course delivery involves a combination of lectures and labs which may incorporate the use of blended learning techniques as appropriate throughout the delivery.	
This module will also include one-to-one contact with an assigned project supervisor.	
Total Teaching Contact Hours	26
Total Self-Directed Learning Hours	174

Module Delivery Duration:
This module is delivered over two semesters.

Assessment		
Assessment Type	Weighting (%)	LO Assessment (No.)
Continuous Assessment	100%	1-5
Module Specific Assessment Arrangements (if applicable)		
(a) Derogations from General Assessment Regulations		
(b) Module Assessment Thresholds		

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(c) Special Repeat Assessment Arrangements	
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Essential Reading

Creswell, J. W. (2014). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches (4th ed), SAGE Publications.

Ridley, D. (2012). The Literature Review A step-by-step guide for students (2nd ed.). SAGE Publications.

Rumsey, S. (2004). How to find Information. Open University Press.

Fitzpatrick, R. & O'Donnell, K. (2003). Crafting a Research Paper, School of Computing Series, DIT.

Supplemental Reading

Fitzpatrick, R. (2008). Crafting a B.Sc. Research Project Proposal - Guidelines. Dublin Institute of Technology.

Cooke, A. (2001). A guide to finding quality information on the Internet (2nd ed.). Library Association Publishing.

DIT (2000). Referencing and citation: A guide to the Harvard and MLA systems. Dublin Institute of Technology.

Strunk, W. & White, E. (2016). The Elements of Style. Value Classic Reprints.

Version No:		Amended By	
Commencement Date		Associated Programme Codes	

Modules that are to be offered as Stand-Alone CPD Programmes must have an NFQ level assigned

*Details of the assessment schedule should be contained in the student handbook for the programme stage.

Date of Academic Council approval

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