Module Code	Pre-requisite Module codes	Co-Requisite Modules code(s)	ISCED Code	Subject Code	ECTS Credits	NFQ Level (CPD)#
CMPU 4080	CMPU 4081				10	8
Module Title	Honours Degree Project					

Honours Degree Project

School Responsible:	School of Computing

Module Overview:
The aim of the Honours Degree Project is to increase the students' knowledge of and expertise in Information Technology and Information Systems, particularly on their chosen topic. More specifically, the aim is to ensure that the student can successfully complete a project using the knowledge and skills they acquired during the course. They should be able to develop a research and development approach; analyse, design and implement a substantial software system or technical-based research; and devise implementation and evaluation strategies for their project. The use of best practice and software tools is strongly encouraged. All students must submit a Report together with a Presentation and a Demonstration of the completed work. The Report should describe the development of the system, addressing theoretical or technical issues that are concerned with the development of information systems. The Report should contain details of research, analysis, design, implementation, testing and deployment. The students are provided with guidelines which explain the exact requirements of the project. It must include a substantial software development aspect whose goal can be any of the following: actual implementation, proof of concept, experimental, evaluation of technologies or tools, prototype. Topics for Honours Degree Projects can, therefore, cover a wide variety of technical areas. The module Information Systems Research Practice must be taken as a prerequisite for this module. This module builds on the proposal and interim report developed by the student in that module. At the end of the project the student submits the software and report documenting the project. The student also makes a formal presentation and demonstration of their project.

Learning Outcomes (LO):	
On Completion of this module, the learner will be able to	
1	Complete an individual software development project, by planning and conducting a programme of practical work that draws on knowledge of a focused area of Information Technology/Systems.

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2	Identify how various techniques and technologies apply to their project
3	Analyse, design, and implement a software system
4	Demonstrate a knowledge of their chosen development techniques and technologies
5	Develop an appropriate set of criteria and tests for each stage of development and deployment, against which to evaluate their work.
6	Reflective about their own work and its relationship with the work of others in the chosen area.
7	Develop a consistent and well-reasoned project report, documenting the background research, design, development and assessment of the software.

Indicative Syllabus:
The content of the Honours Degree Project must contain a significant software component, along with accompanying reports and presentations. It is expected that the content developed and delivered should build on the topic and interim project materials developed in the prerequisite Information Systems Research Practice module.

Learning and Teaching Methods:	
Each student is assigned a supervisor. The student must meet the supervisor on a weekly basis. The supervisor will provide project guidance. The bulk of project work requires self-study.	
Total Teaching Contact Hours	6.5
Total Self-Directed Learning Hours	193.5

Module Delivery Duration:
This module is delivered over one semester.

Assessment		
Assessment Type	**Weighting (%)**	**LO Assessment (No.)**

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Continuous Assessment	100	1-7
Module Specific Assessment Arrangements (if applicable)		
(a) Derogations from General Assessment Regulations		
(b) Module Assessment Thresholds		
(c) Special Repeat Assessment Arrangements		

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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