MODULE DESCRIPTOR

Module Title

MSc Project Investigation

Reference	CMM512	Version	7
Created	April 2017	SCQF Level	SCQF 11
Approved	December 2005	SCQF Points	15
Amended	August 2017	ECTS Points	7.5

Aims of Module

To enable students to critically appraise an IT, computing, security, network management or data analytics problem using the technical and professional skills gained during the taught elements of the course.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

1	Operate effectively on appropriate IT, computing, security, network management or data analytics tasks, conducting themselves in a professional manner while participating in the legal and ethical framework in computing science.
2	Select and critically appraise a suitable problem and its domain, including the identification of relevant professional, social, legal and ethical issues, the evaluation of scientific risk and its management, quantitative and qualitative research methods and the investigation of alternative approaches to tackling the problem/issue identified.
3	Develop a project specification.

Indicative Module Content

Identification of a project. Investigation of the problem, including context, background, and relevant tools, quantitative and qualitative methods and techniques. Summary of results/research conclusions. Development of a project specification. Description of ethical, social, legal and professional issues with respect to the project, together with a plan to address these issues, if appropriate. Evaluation of scientific risk and subsequent risk management. Professional conduct within the framework in computing science which takes due consideration of legal and ethical issues.

Module Delivery

Within an IT, computing, security, network management or data analytics context, students undertake critical appraisal of a project. Students will be allocated an academic supervisor with whom they will have face to face meetings, conference calls and/or electronic communications.

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Indicative Student Workload	Full Time	Part Time
Contact Hours	6	6
Non-Contact Hours	144	144
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	150
Actual Placement hours for professional, statutory or regulatory body		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Coursework	Weighting:	100%	Outcomes Assessed:	1, 2, 3
Description:	Report				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The calculation of the overall grade for this module is based on 100% weighting of C1. An overall minimum grade D is required to pass the module.

Module Grade	Minimum Requirements to achieve Module Grade:
A	The student needs to achieve an A in C1.
B	The student needs to achieve a B in C1.
C	The student needs to achieve a C in C1.
D	The student needs to achieve a D in C1.
E	The student needs to achieve an E in C1.
F	The student needs to achieve an F in C1.
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	None.
Corequisites for module	None.
Precluded Modules	CMM540

INDICATIVE BIBLIOGRAPHY

1	"BCS Code of Conduct" obtained from http://www.bcs.org/category/6030 [accessed 13/3/2017]
2	HUGHES, B. & IRELAND, R., West, B., Smith, N. and SHEPERD, D. 2012. Project Management for IT related projects. 2nd ed. BCS.
3	PRESSMAN, R., 2009. Software Engineering: A practitioner's approach.7th ed. McGraw?Hill.
4	CRESWELL, J.W., 2014. Research design: qualitative, quantitative, and mixed methods approaches. Sage.