

Dissertation

Module Code:	COS7004-E
Academic Year:	2018-19
Credit Rating:	60
School:	Department of Computer Science
Subject Area:	Computer Science
FHEQ Level:	FHEQ Level 7 (Masters)

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Tutorials	12
Directed Study	579
Other (DO NOT USE)	9

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Full Year (Sept - Aug)
BDA	University of Bradford / Non-Standard Academic Year (Jan - Sept)
BDA	University of Bradford / Semester 1 (Sep - Jan)
BDB	University of Bradford / Semester 2 (Feb - May)

Module Aims

To enable you to gain experience of taking responsibility for, and completing a substantial piece of work to professional standards, building on knowledge gained during the taught component of the course.

Outline Syllabus

Work carried out will follow an approved specification designed such that you can (1) carry out appropriate research of existing solutions reported in the literature related to the

problem domain, (2) demonstrate competence and critical review in selecting and applying appropriate tools and techniques and address ethical issues if appropriate, (3) analyse, design using suitable methodology and, where appropriate, implement a solution to the specified problem, and (4) critically evaluate and clearly present the work carried out. Guide to Projects for students on all MSc courses in the School of Electrical Engineering and Computer Science: [Http://www.comp.brad.ac.uk/intranet/PGProjs/intro.html](http://www.comp.brad.ac.uk/intranet/PGProjs/intro.html)

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 1 critically analyse and evaluate the advanced technical material in your programme topic.
You will also be able to analyse and identify suitable tools and techniques for design and, where appropriate, the development of a solution to the subject of your project.
Demonstrate due consideration and advanced competence in the integration of LSEP issues within your dissertation report and any related artefacts (e.g. software, research finding conclusions, recommendations).
- 2 demonstrate advanced competence in the research, development and critical analysis of a substantial project incorporating specialist knowledge and techniques in the area of Computing. These include critical appraisal of existing solutions and advanced development skills to provide further applicable solutions.
- 3 demonstrate advanced skills in individual research, production of a substantial project, ability to communicate critical analysis and evaluation through an advanced report and viva.

Learning, Teaching and Assessment Strategy

Workshop sessions take place for consideration and integration of the taught material of your programme. In the workshops, seminars introduce concepts and wider context of legal, social, ethical and professional (LSEP) practices within the discipline (e.g. analysis skills, the research process, dissertation outlines, managing projects, data protection, computer misuse, ethics etc.) The sessions define terms and implications for professional practice.. A group tutorial with a case study, will discuss and debate the various aspects of LSEP practice and possible decisions and outcomes. The tutorial will be followed by a summary plenary. To ensure important topics are developed, these initial workshops will be strengthened through discussion of these issues with your supervisor on a one to one basis.

You will work on an individual project with regular communication with your supervisor assisted by, if relevant, module tutors. Specification, analysis, design, development, test, maintenance and deployment of prototype to integrate field knowledge will be addressed. While it has no independent weighting, a viva (max.1 hour) is held to help in confirming the overall mark for the dissertation. The viva/demo provides an opportunity for you to show systems developed in the course of your project and demonstrate your understanding of the subject under study. Without a viva/demo there will be less evidence of your work and you will have forfeited the opportunity to fully show your understanding. This may significantly

affect your overall mark. Supplementary assessment - as original.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Dissertation or Project Report	Dissertation		100%	Yes

Legacy Code (if applicable)

CM-0424Z

Reading List

To view Reading List, please go to [rebus:list](#).