UNIVERSITY of BRADFORD

Module Details

Module Title	Dissertation
Module Code	COS7004-E
Academic Year	2021/2
Credits	60
School	Department of Computer Science
FHEQ Level	FHEQ Level 7

Contact Hours

Type	Hours
Seminars	9
Online Tutorials (Synchronous)	12
Directed Study	579

Availability

Occurrence	Location / Period
BDA	University of Bradford / Non-Standard Academic Year
BDB	University of Bradford / Non-Standard Academic Year

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

Learning Outcomes

Outcome Number	Description
O1	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).
O2	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.
O3	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	Weighting
Summative	Dissertation or Project Report	Dissertation	100%

Reading List
To access the reading list for this module, please visit https://bradford.rl.talis.com/index.html

Please note:
This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.