

Module Details	
Module Title:	Enterprise Pro
Module Code:	COS5019-B
Academic Year:	2019-20
Credit Rating:	20
School:	Department of Computer Science
Subject Area:	Computer Science
FHEQ Level:	FHEQ Level 5
Pre-requisites:	
Co-requisites:	

Contact Hours	
Type	Hours
Lectures	6
Laboratory	30
Directed Study	164

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 2 (Feb - May)

Module Aims
To provide theoretical understanding of and practical experience of a collaborative software development project.

Outline Syllabus
Assessment of requirements, assured quality and verification. Design and development methodology. Purpose and standards for documentation; including reflective work on applicable professional, legal and ethical issues as they appear in each project. Group project, beginning with defined problem (user requirements), through to proven working software solution mimicking software company environments. Projects will be taken from proposals made by external clients. Resources needed: Students will have a repository per project to maintain

notes, meeting notes, software code etc. Software to share code such as Git or svn repositories will be explored.

Learning Outcomes

1	demonstrate a sound theoretical understanding of software project development through team work and the practical ability to implement, document and test a relatively complex software product, reflect on professional, legal and ethical issues.
2	contribute to the design and development of a good quality software application through team work.
3	work collaboratively to solve problems and develop adequate communication skills.

Learning, Teaching and Assessment Strategy

Lectures introduce software engineering methodologies and software project management. These are then applied to real-life projects developed for industrial clients. The students working in small groups are closely supervised and supported through laboratory practical sessions and their interactions within the teams and with the external clients are continuously monitored by a group tutor. Students' understanding of the problems to be solved, the ability to provide quality solutions and practical communication skills are assessed through practical demonstration of the code functionality, thorough documentation of the project and presentations made to clients and colleagues. The assessment takes into account both team contribution to the project as well as individual performance. The team contribution is based on the outcomes produced - requirements and testing documents, functionality and quality of the code. Individual assessment results from the overall contribution to the project based on evidence produced, as well as the observations made by supervisors throughout the year regarding individual contributions and the assessment made by team mates. The study hours will be mostly lab work with appropriate lectures and seminars to teach methodologies.

Mode of Assessment

Type	Method	Description	Length	Weighting
Referral	Coursework	Supplementary assessment: Individual project assignment of group projects		100%
Summative	Coursework	Part A: Group project: Documentation and demonstration of software iteration		50%
Summative	Coursework	Part B: Group Project Documentation and demonstration of software - Final Product		50%

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.