

Enterprise Pro

Module Code:	COS5019-B
Academic Year:	2018-19
Credit Rating:	20
School:	Department of Computer Science
Subject Area:	Computer Science
FHEQ Level:	FHEQ Level 5
Module Leader:	Professor Marian Gheorghe

Additional Tutors:

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	12
Laboratory	48
Directed Study	140

Availability Periods

Occurrence	Location/Period
NLA	Namal College / Academic Year (Sept - May)
BDA	University of Bradford / Academic Year (Sept - 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. 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.

Module Learning Outcomes

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

- 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.
- 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	Final Assess'
Summative	Coursework	Part B: Group Project Documentation and demonstration of		50%	Yes

		software - Final Product		
Summative	Coursework	Part A: Group project: Documentation and demonstration of software iteration	50%	No
Referral	Coursework	Supplementary assessment: Individual project assignment of group projects	100%	No

Legacy Code (if applicable)

CM-0236L

Reading List

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