MODULE SPECIFICATION

Part 1: Information			
Module Title	Project Management		
Module Code	UFCFPJ-15-M	Level	Level 7
For implementation from	2019-20		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Computer Science and Creative Technologies
Department	FET Dept of Computer Sci & Creative Tech		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description

Educational Aims: See Learning Outcomes.

Outline Syllabus: The syllabus includes:

Relationship between project planning and the model underlying the life cycle of the development, including the life cycle of a project itself.

Life cycle models in systems development including traditional, evolutionary, prototyping and Agile approaches, such as DSDM. Life cycle models can be divided into more Predictive v more Adaptive, and a range of these life cycle models will be evaluated for effective project management in a range of contexts, such as corporate and global companies and the drive to more Agile methods. Evaluation of models will include their influence on causing or preventing break downs between the design process, the value of scenarios and system productivity and the role process management has over the life cycle.

Project planning processes and techniques will form the core of the course: planning criteria, work breakdown structures (WBS), setting milestones and defining deliverables, activity planning, precedence (network) diagrams, critical path analysis, cascade bar charts, levelling of resources against constraints imposed, resource accounting and cost accounting.

Understanding project finance and returns on investment as a key attribute leading to project success will be covered. Cumulative cost calculations, using earned value and cost-to-complete are valuable measures of cash flow and analysis of profitability or likely success.

Estimating will be covered using data from past projects in parametric cost modelling (e.g. COCOMO and Mk II Function Point Analysis), as well as considering the principles of optimisation in resource allocation.
Estimating will involve manipulation of mathematical formulae and use of spreadsheets with a focus on the value of parameters and measurement and how linear regression theory can be used to produce parametric models of performance.

Project planning and management principles will be matched to the UK Government's project management framework: PRINCE2. Risk and Quality are two areas in which PRINCE2 will be closely compared to the standard risk management process, assessment techniques and control processes.

The role of the project manager in managing teams, team structures and sizes, roles and responsibilities, qualities and skills of managers and team dynamics will be covered, looking at PRINCE2 principles and themes of Roles and Responsibilities and Organisation.

Teaching and Learning Methods: The module uses lectures and practical exercises. Students practise techniques under supervision in many classroom sessions. A range of topics typically addressed as part of a generalised project management course, as well as coverage of the variety of life cycle models, will form the structure of the main contact sessions, with each session largely being discrete. This range of topics will be matched by a set of possible summative examination questions which match the topics being covered and give a range of exploratory avenues for deeper investigation by each student in their own independent learning hours.

No variations in teaching and learning strategy for different programmes or modes of attendance. This is not a remote learning module as insufficient material will be available wholly online. It is expected a student will spend two hours each week reviewing material used in the classroom, exploring those techniques more fully and reading up on supplementary material provided.

Using the notional student study hours: credit value of 10:1, the total study hours should be 150 hours. There will be 24 hours in-class contact; 24 hours review and assimilation work around those 12 weeks of classroom work; a further three to four hours each week, on average, exploring the pre-published examination questions and the content they engender (48 hours); drafting and concluding essay answers to the pre-published questions will consume about 30 hours. The remaining 24 hours will be involved with revision for the examination, reading more widely on the topics of project management and administration of their time and online management within the VLE.

Scheduled learning includes lectures, seminars, tutorials, demonstration, practical classes and workshops.

Independent learning includes hours engaged with essential reading and appraising the material covered in class and through the VLE.

2 hours classroom contact each week for 12 weeks. The classroom activity will be a combination of lecture and practical sessions, switching between delivery of material and practical exploration of the techniques.

Material suitable for self-directed learning and exploration of the topics and techniques will be made available via the VLE.

Part 3: Assessment			
All the assessment will be summative: a final three hour examination. The final examination will comprise a number of questions taken from a bank of pre-published questions. Formative learning can be gained by students targeting all or some of the published questions and working up draft answers and discussing those with the teaching staff. No other materials except writing materials will be allowed in the examination so planning answers fits with project management principles. The number of questions targeted by each student is also compatible with risk management and will vary between students according to their concept of risk. This is also compatible with the content of this module.			
First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Examination - Component A	✓	100 %	Examination (3 hours)
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Examination - Component A	✓	100 %	Examination (3 hours)

Part 4: Teaching and Learning Methods

Learning Outcomes

On successful completion of this module students will achieve the following learning outcomes:

Module Learning Outcomes	**Reference**
Demonstrate awareness of, and the ability to apply, a variety of project planning and control techniques	MO1
Evaluate project management functions	MO2
Understand the contexts and advantages of different predictive or adaptive life cycle models for project planning and control	MO3
Evaluate leadership skills and team management theories	MO4
Demonstrate Self-management skills in planning projects through online resource use and extensive examination preparation	MO5

Contact Hours

Independent Study Hours:	
Independent study/self-guided study	126
Total Independent Study Hours:	126
Scheduled Learning and Teaching Hours:	
Face-to-face learning	24

	Total Scheduled Learning and Teaching Hours:	24
	Hours to be allocated	150
	Allocated Hours	150
Reading List	*The reading list for this module can be accessed via the following link:* https://uwe.rl.talis.com/modules/ufcfpj-15-m.html	

Part 5: Contributes Towards
This module contributes towards the following programmes of study: Information Technology [Jan][FT][Villa][1yr] MSc 2019-20 Information Technology [May][FT][Villa][1yr] MSc 2019-20 Information Technology [Sep][FT][Frenchay][1yr] MSc 2019-20 Information Technology [Sep][FT][Villa][1yr] MSc 2019-20 Information Technology [Sep][PT][Frenchay][2yrs] MSc 2019-20