MODULE SPECIFICATION

Part 1: Information			
Module Title	Business Applications		
Module Code	UFCFP3-30-1	Level	Level 4
For implementation from	2018-19		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Faculty of Environment & Technology	Field	Computer Science and Creative Technologies
Department	FET Dept of Computer Sci & Creative Tech		
Contributes towards	Information Technology Management for Business [Sep][SW][Frenchay][4yrs] BSc (Hons) 2018-19 Business Computing [Sep][FT][Frenchay][3yrs] BSc (Hons) 2018-19 Information Technology Management for Business [Sep][FT][Frenchay][3yrs] BSc (Hons) 2018-19 Business Computing [Sep][SW][Frenchay][4yrs] BSc (Hons) 2018-19		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
Educational Aims: In addition to the Learning Outcomes the educational experience may explore, develop, and practise but not formally discretely assess the following: Progression to independent learning Awareness of appropriate professional literature Working with others

Outline Syllabus: The role of IS in business, the range and variety of information systems: typologies and evolutionary frameworks; monolithic, client-server and computer/network and web-service-based information systems and their evolution; reasons for diversity; emergence of new application areas ahead of theory and methodology; the impacts of the web, multi-media and technological convergence.

The relationship between IS and operational systems and between IS and organizational processes and levels; the effects of IS on the individual, groups, organizations, and markets and the relationships and influences between them.

Exploration of a range of application domains: commercial, industrial and professional examples; inquiry into the regular processes characteristic of such domains and the role played by information systems in supporting, extending or changing them; could include, for example, supply chain management, financial accounting, office automation, computer integrated manufacturing, e-learning, product design, virtual reality, Business Process Management.

The systems lifecycle as a way of organizing thinking about and intervention in, complex sociotechnical environments; systems as whole-life, multi-dimensional, constructs; establishing user requirements within the business context, system specification; systems analysis, systems design, systems procurement and systems implementation, operation, evolution and retirement; project management and its relationship to the systems lifecycle including an understanding of the social and technical organisation of the development process and a need for integration and control of development activities through project management.

The importance, applicability and relevance of abstractions, models, diagrams, notations and descriptions in the development process; examples commonly used in information systems development e.g. functional descriptions (data flow diagrams), data descriptions (entity relationship models), and relational data analysis (normalisation).

During the module we will consider the wide range of uses, applications and effects of information systems. The materials presented are intended to enable students to understand the spread and diversity of information systems applications in different domains, establish an initial understanding of the nature and uses of information systems and grasp and use appropriate systems models and frameworks in approaching the study of information systems.

Teaching and Learning Methods: Weekly lectures - will be used to present and highlight the major concepts and issues in the syllabus, with additional detail provided in the form of online notes, readings, or other indicated sources.

Employer experience and ‘know-how’ makes an important contribution to the module and the e-skills invited ‘Guru Lecture’ series is a key element in bridging the academic and business worlds. There are approximately 12 Guru Lectures throughout the academic year, hosted (in turn) by one of the ITMB participating universities. These lectures are broadcast live to the other universities using state-of-the-art web conferencing software. Guru Lectures are intended to inspire and motivate the students and to support their studies by showing the importance of theory to the world of practice. Speakers and topics are arranged in negotiation between the 14 participating universities and span technology, business, project management and personal/interpersonal skills.

Weekly seminar/workshops - will be conducted through a structured, tutor-facilitated programme. The module lays great emphasis on the need to combine formal, academic material with the application of ideas and concepts. To this end extensive use will be made of case study based exercises, group work exercises, webcast and video material. Collaboration, team working and sharing of knowledge and experience will be promoted through a group project underpinned by material from guru lectures.

Practical and professional skills and competences in IS development will be integrated into the syllabus. This is based on the notion that true understanding comes from participation in action and that learning through reflective IS practice is valuable. Promotion of investigative skills through conversation, interviewing, use of library and internet sources will form one of the practical elements. Associated with this will be the need to document, diagram and present the

findings. A central plank of IS development practice, working in teams, will form another major element in students' practical engagement with the module, in order to promote skills in communication, assertion, negotiation and evaluation.

No variations for part-time study. Distance learning not available for this module, due to the emphasis on teamwork.

Hours
Contact time: 72
Assimilation and development of knowledge: 148
Exam preparation: 20
Coursework preparation: 60

Total study time: 300

Part 3: Assessment

The examination will be based on the reading, lecture content and tutorial work and will assess Learning outcomes 1, 2 and 3.

Both elements of Component B are to be undertaken in small groups. This has the benefit of creating peer groups, providing a support network for learning, allowing for the consolidation and sharing and dissemination of prior learning and the practice, improvement and assessment of key transferrable skills.

Component B will be assessed by a combination of individual and group work. Staff will provide on-going guidance to students on working in a group and the work of groups will be continuously monitored in workshop sessions so that problems and disagreements can be resolved in a fair and equitable manner at the earliest possible opportunity.

Component B has been divided into two elements so as to provide both formative and summative feedback on the investigation and analysis undertaken by groups before work begins on the design and build phases of the assignment deliverable. It also provides for 45% of the total module assessment load to be completed in Semester one.

Learning outcomes 4, 5 and 6 are assessed in each of elements 1 and 2 as they relate to the areas of the lifecycle addressed by the element concerned.

First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Group work - Component B		30 %	Prototype and group demonstration
Group work - Component B		45 %	Investigation, report and presentation
Examination - Component A	✓	25 %	Examination (2 hours) (final element)
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Examination - Component A	✓	25 %	Examination (2 hours)
Case Study - Component B		75 %	Individual case study - system design and documentation

Part 4: Teaching and Learning Methods

Learning Outcomes

On successful completion of this module students will be able to:

	Module Learning Outcomes
MO1	Demonstrate an understanding of the nature and purpose of information systems in business and contemporary IS/IT applications, initiatives and issues.
MO2	Appreciate the strategic and competitive use of information systems and the changing nature of business dynamics, structures, functions and relationships
MO3	Be aware of and question the changing nature of skills, knowledge, relationships and work patterns in business
MO4	Use appropriate tools, technologies, techniques and methods in engaging with the process of business systems specification, development and implementation
MO5	Apply selected frameworks to the systematic evaluation of case study material
MO6	Demonstrate key transferable skills in the areas of: communication, self-management, problem formulation and decision making

Contact Hours

Contact Hours	
Independent Study Hours:	
Independent study/self-guided study	228
Total Independent Study Hours:	228
Scheduled Learning and Teaching Hours:	
Face-to-face learning	72
Total Scheduled Learning and Teaching Hours:	72
Hours to be allocated	300
Allocated Hours	300

Reading List

The reading list for this module can be accessed via the following link:

https://uwe.rl.talis.com/modules/ufcfp3-30-1.html