

Module Specification template

Please complete this template in line with the module specification guidance in QEU0075¹.

Part One: ABOUT THE MODULE			
1	Module title	CC4002	
2	Module code	Information Systems	
3	Module level and credit rating	Level 4	30
4	School	School of Computing & Digital Media	
5	Subject Area	CDM - Computer Science & Applied Computing	
6	Teaching site(s) for course		
		Holloway Road	[click to select location] [click to select location]
7	Teaching period	Year Long (30 weeks)	
8	Pattern of attendance	Day	
9	Required prior learning		
10	Module description		
		<p>Students will receive an introduction to the business environment and the role of information management and information systems within business.</p> <p>The module develops an understanding of the Information Systems development process and the basic technology underpinning these systems. This will include database management systems and the Internet. Students will develop aspects of an information system, including databases, websites, and scripts with particular regard to usability and security.</p>	
11	Module aims		
		<p>The module aims to provide an overview of the nature of organisations, their business models, and how key areas operate to meet business objectives. It introduces students to organisational culture, data information and knowledge management, information security and information in organisational decision making.</p> <p>Within the module the students will be given an appreciation of the effect of ICT on organisational performance, and a basic understanding of the processes of developing and maintaining information systems, software products and services.</p> <p>An introduction to underlying technologies (eg database, Internet and Web) is embedded in the module, which also seeks to develop basic competence and</p>	

¹ QEU0075 Module Specification Template Guidance - <https://livelink.londonmet.ac.uk/livelink/llisapi.dll/Open/27626881>

	<p>confidence in the use of appropriate tools, techniques and academic and communication skills, with an underlining awareness of legal, social, ethical and professional issues.</p>
<p>12</p>	<p>Module learning outcomes</p> <p>On completion of this module, students will be able to:</p> <p>LO1: describe the main legal frameworks for business organisations, typical internal structures together with their rationale in terms of business aims, information security and the culture of organisations;</p> <p>LO2: explain the role of information processing and knowledge management within businesses, and the relationship between business strategy, organisational decision making and ICT provision;</p> <p>LO3: apply a range of information systems modelling techniques to explain the processes involved in information systems development as part of a team;</p> <p>LO4: explain the basic principles underlying database management systems and develop a database application;</p> <p>LO5: demonstrate the importance of data information, knowledge management and security issues in management decision making;</p> <p>LO6: explain a range of internet technologies and develop a personal development planning website;</p> <p>LO7: demonstrate an awareness of key legal requirements related to information systems and relevant professional and ethical issues and standards;</p>
<p>13</p>	<p>Indicative syllabus – for full details see section C in Module Booklet</p> <p>Part I: Computers and Computation</p> <p>Topic I.1 Introduction to Computing Topic I.2 Data Storage Topic I.3 Data Manipulation Topic I.4 Operating Systems Topic I.5 File Concepts Topic I.6 Database Systems Topic I.7 Networking and the Internet</p> <p>Part II: Problem Solving and Software</p> <p>Topic II.1 Problem-Solving using Computers Topic II.2 Planning Your Solution Topic II.3 An Overview of Programming Languages Topic II.4 An Introduction to Programming Structure Topic II.5 Problem Solving with the Sequential Logic Structure Topic II.6 Problem Solving with Decisions Topic II.7 Problem Solving with Loops Topic II.8 Data Abstraction</p> <p>Part III: Business and IT</p>

	<p>Topic III.1 Information Systems in Global Business Today Topic III.2 World-Wide-Web Topic III.3 An Introduction to Web Design and HTML Topic III.4 Global E-Business and Collaboration Topic III.5 Information Systems, Organizations, and Strategy Topic III.6 Ethical and Social Issues in Information Systems Topic III.7 IT Infrastructure and Emerging Technologies Topic III.8 Foundations of Business Intelligence Topic III.9 Telecommunications, the Internet, and Wireless Technology Topic III.10 Securing Information Systems Topic III.11 System Development Life Cycle</p>
14	<p>Indicative bibliography and key on-line resources – <i>for full details see section D in Module Booklet</i></p> <p>[1]. J. Brookshear, D. Brylow. Computer Science - An Overview, 12th ed., Pearson (2015). ISBN: 1292061162 [CORE] [2]. K. Laudon, J. Laudon. Management Information Systems, 14th ed., Pearson (2015). ISBN: 1292094001 [CORE] [3]. John M. Zelle. Python Programming: An Introduction to Computer Science, 3rd Ed., Franklin, Beedle & Associates Inc (2016), ISBN: 1590282752 [CORE]</p> <p>[4]. M. Sprankle, J. Hubbard. Problem Solving and Programming Concepts, 9th ed., Pearson (2011). ISBN: 0273752219 [5]. Fry, C., 2010, Microsoft Access 2010 (Plain and Simple), Microsoft Press, ISBN 0735627304 [6]. West, R, Muck, T, 2004, Dreamweaver MX, A Beginner's Guide, McGraw-Hill, ISBN 0072229969</p>
15	<p>Learning and Teaching strategy for the module including approach to blended learning, students' study responsibilities and opportunities for reflective learning/pdp</p> <p>Topics will be introduced through the medium of formal lectures, supported by tutorial/workshop sessions and on-line resources as follows:</p> <p>Lectures (1.5 hours / week) cover theoretical aspects of the key topics identified in the syllabus, plus suggestions for further study and directed reading for independent study.</p> <p>Tutorials/Workshops (1.5 hours / week) consolidate understanding of topics introduced in the lecture via class and group discussions encouraging reflective learning, informal presentations and hands-on experience of appropriate software, which students should also experiment with during independent study to become proficient.</p> <p>On-line resources: lecture notes, tutorial/workshop exercises and notes, example questions and suggestions for further study and directed reading available on Weblearn.</p>

16	Indicative learning and teaching hours for the module. <i>Learning hours comprise face-to-face and virtual contact hours plus self-managed and directed learning and time spent on placements (where relevant).</i>			
	<i>Method</i>	<i>Description and percentage of learning hours</i>		
	Scheduled learning and teaching activities	Lectures, Tutorials and Workshops 27 weeks x 3 hours per week= 81 hours [27%]		
	Guided independent study	219 hours [73%]		
	Placement/study abroad			
	TOTAL LEARNING HOURS FOR THE MODULE	300 [100%]		
17	Assessment strategy			
	<p>The assessment for this module enables both theoretical and practical elements to be assessed.</p> <p>Coursework:</p> <ul style="list-style-type: none"> - Database (40%): Group work to create a database. (LOs 1,2,5,7). - Script (30%): individual work to create a script for creating/moving/updating files with access control. (LOs 1,2,3,4,5). - Website (30%): individual work to create an online website for containing resources to support Personal Development Plan, reflection and career related information. (LOs 1,2,6,7). 			
18	Arrangements for formative and summative feedback			
	<p>Informal formative and diagnostic feedback is provided in tutorial/workshop sessions.</p> <p>Formative and summative feedback will be provided on the marked coursework.</p>			
19	Description of assessment items			
<i>Assessment Method</i>	<i>Description of Item</i>	<i>% weighting</i>	<i>Week Due</i>	<i>If not pass on aggregate, explain what is required to pass the module</i>
Coursework	Individual Coursework. Script with Report (800 words + a combination of methods/procedures/functions and a diagram)	30	11	
Coursework	Group Coursework. Database with Report (800 words + a combination of 8 entities/relationships/queries and a diagram)	40	20	

Coursework	Individual Coursework. Website with Report (4 Web pages with a combination of features on each page and a diagram)	30%	28	
<i>Choose an assessment method.</i>				

Part Two: FACULTY USE		
20	Nominated External Examiner	
21	Nominated Module Leader at time of approval	Dr. Vassil T. Vassilev
22	All courses to which this module contributes and whether Core or Option	<i>Core for:</i> <i>BSc Business Information Technology</i> <i>BSc Computing</i> <i>BSc Computer Science</i> <i>BSc Computer Forensics and Cyber Security</i> <i>BSc Computer Networking and Cyber Security</i> <i>BSc Computer Networking and Computer Forensics</i> <i>BSc Computing and Computer Networking</i>

Part Three: OFFICIAL USE AND CODES – responsibility for completion is as indicated		
23	Original date of approval (QEU)	
24	Module approved to run from (QEU)	
25	Revision date (specify cohort) (QEU)	
26	Module specification version number (QEU)	26.01.2017 18:41
27	SITS Mark Scheme (Academic Registry)	
28	Subject Standards Board Name (Academic Registry)	