STUDENT AND ACADEMIC SERVICES

MODULE SPECIFICATION

Part 1: Information			
Module Title	Security Management in Practice		
Module Code	UFCFRB-15-3	Level	Level 6
For implementation from	2018-19		
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		
Contributes towards	Information Technology [Sep][FT][Frenchay][1yr] 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: See learning outcomes.

Outline Syllabus: Software Security in the real world: Threats, costs and countermeasures

Policies for managing security, policy languages and models

Information Security Management Standards. ISO 2001/2002, Codes of Practice. Legislation.

Security analysis; assumptions made, social basis and threat assumptions.

Analysing systems and security aware applications from various domains such as mobile communications, electronic commerce, banking and finance.

Planning for an ISMS: Planning stages, understanding the organisation, - ways and means.

Planning the "right" system.

Trade off between threats and countermeasures and the return on security investment (RoSI).

Information security risk assessment: risk analysis methods, risk treatment

The interrelation and interdependency of security management and other system management activities and considerations such as:- Business Continuity Management, Organizational Security, Asset Classification and Control, etc.

Planning and managing a disaster recovery operation. Business Continuity Planning

Teaching and Learning Methods: A series of seminars at the start of the module will cover background knowledge. The seminars will be predominantly tutor-led. Students are expected to prepare for the seminars by reading from the module text and from research papers as directed. They are also expected to identify their own information (see below). The seminars will then explore the issues raised by the reading, usually based on worksheets and often in the context of a case study.

The coursework will require the students will perform a security analysis of an organisation's information systems, propose a security policy and make recommendations about the implementation of that policy. This work will be based on the analysis of real organisation and may be conducted with an external organisation if it can be arranged.

Independent learning includes hours engaged with essential reading, case study preparation, assignment preparation and completion etc.

Part 3: Assessment			
The module is assessed by coursework and an individual presentation by the student at the end of the teaching period. The coursework allows the student to investigate information security within an organisational context and to undertake the planning stages of an ISMS. The report will also involve a reflection on the way in which the work has been conducted, its successes and failures. The presentation will identify the issues raised by the assignment and justify the proposed solution.			
First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Report - Component B		75 %	A report representing the planning stages of an ISMS for a real organisation. (3000 words)
Presentation - Component A	✓	25 %	Individual presentation (20 mins)
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Report - Component B	✓	75 %	Individual assignment based on the anaysis of an ISMS (3000 words)
Presentation - Component A		25 %	Individual presentation (20 mins)

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Part 4: Teaching and Learning Methods		
Learning Outcomes	On successful completion of this module students will be able to:	
		Module Learning Outcomes
	MO1	Understand the significance of ISO and other standards in the specification of a Information Security Management System
	MO2	Analyse the range of real world security issues that face commercial organisations and other institutions
	MO3	Evaluate the significance of security laws and regulations
	MO4	Propose an ISMS for a real organisation, using recognised methods and to an internationally recognised standard
	MO5	Reflect on the process of specifying an ISMS, justifying methods used and /or proposing alternatives

Contact Hours	**Contact Hours**	
	Independent Study Hours:	
	Independent study/self-guided study	114
	Total Independent Study Hours:	114
	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	36
	Total Scheduled Learning and Teaching Hours:	36
	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/ufcfrb-15-3.html	