

Business Systems Security

Module Code:	COS7035-B
Academic Year:	2018-19
Credit Rating:	20
School:	Department of Computer Science
Subject Area:	Computer Science
FHEQ Level:	FHEQ Level 7 (Masters)

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	12
Tutorials	12
Directed Study	176

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Semester 1 (Sep - Jan)

Module Aims

To develop a comprehensive understanding of the underlying technologies of secure systems and a critical awareness of the inherent risks and related privacy issues of their use in business.

Outline Syllabus

Issues involved in bringing computer security into an organisation. Managing the security function within an organisation. Risks involved with using electronic systems. Business and legal principles. The implementation of information security systems taking account of cybercrime and the cybercriminal. General legislation, data protection and regulation. Social engineering. Theoretical security models. Critical examination and analysis of case study

material and current research papers/reports. The participation of visiting speakers to provide an industrial perspective on current and up to date security issues in the workplace.

Module Learning Outcomes

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

- 1 analyse, discuss and explain the nature of secure systems within an organisation and the technical, legal and business issues involved.
- 2 Develop solutions to complex issues involved in effectively implementing electronic systems in business whilst identifying and minimising the security risks.
- 3 (a) have further advanced your skills of research, problem-solving and communication.
(b) Be a self-directed, independent learner who shows initiative and personal responsibility.

Learning, Teaching and Assessment Strategy

Formal input provided by lectures, supported by practical examples from videos, visiting speakers and readings (LO1, LO2). Case studies used, where appropriate, to illustrate issues raised by electronic systems used in business (LO3a, LO3b). Directed study includes directed reading, individual reading of journal and conference papers. Assessment by group presentation and individual research paper takes account of issues relevant to industry and the theoretical material discussed in class (LO1, LO2, LO3a, LO3b). Supplementary assessment is as original, with the exception of the group presentation which is replaced with a written reflective individual piece of work (1000 words).

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Presentation	Group presentation - 30 minutes	30 minutes	30%	No
Summative	Coursework	Individual Research Paper		70%	Yes
Referral	Coursework	Supplementary - written reflective individual piece of work (1000)		30%	No
Referral	Coursework	Supplementary - written reflective individual piece of work (1000)		70%	Yes

Legacy Code (if applicable)

CM-0440D

Reading List

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