

Module Details	
Module Title	Cyber Security
Module Code	COS6008-B
Academic Year	2020/1
Credits	20
School	Department of Computer Science
Subject Area	Computer Science
FHEQ Level	FHEQ Level 6
Pre-requisites	N/A
Co-requisites	N/A

Contact Hours	
Type	Hours
Online Lecture (Synchronous)	24
Directed Study	176

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 1

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 being protected from the unauthorised access, damage and attack of computerised systems, and ethical and legal principles. The cybercrime environment and how to protect personal, social and business information. General legislation, data protection and regulations. Critical examination and analysis of case study material and current research papers/reports. The opportunity to participate in visiting speaker seminars to provide an industrial perspective on current and up to date security issues in the workplace.

Reading List:

Goodrich and Tamassia (2014) Introduction to Computer Security:
Pearson New International Edition ISBN-13: 9781292025407

Bazzell (2013) Hiding from the Internet: Eliminating Personal Online Information, ISBN-13: 978-1478277293

Bazzell (2013) Personal Digital Security: Protecting Yourself from Online Crime

Luna J (2012) How to Be Invisible: Protect Your Home, Your Children, Your Assets, and Your Life

Learning Outcomes

Outcome Number	Description
01	Analyse, discuss and explain the nature of cybercrime and the ethical, technical, and legal issues involved.
02	Develop and explain solutions for effectively securing electronic systems.
03	Demonstrate skills of research, problem-solving and communication. 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, and readings (LO1, LO2). Case studies used, where appropriate, to illustrate issues raised by secure electronic systems used in personal, social and business environments (LO1, LO2). Directed study includes directed reading, individual reading of journal and conference papers. Assessment by group presentation and individual coursework (LO3) takes account of issues relevant today and the theoretical material discussed in class. Supplementary assessment will repair deficiencies supplementing the group presentation with an individual assignment.

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Presentation	Group presentation (online). SUPPLEMENTARY: Individual report (1500 words).	N/A	30%
Summative	Coursework	Individual report	N/A	70%

Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.

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