

Module Details	
Module Title	Cyber Security
Module Code	COS6008-B
Academic Year	2024/5
Credits	20
School	School of Computer Science, AI and Electronics
FHEQ Level	FHEQ Level 6

Contact Hours	
Type	Hours
Lectures	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.

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
<p>Formal input provided by lectures, supported by practical examples from videos, and readings. Case studies used, where appropriate, to illustrate issues raised by secure electronic systems used in personal, social and business environments. Directed study includes directed reading, individual reading of journal and conference papers.</p> <p>Assessment by group presentation and individual coursework takes account of issues relevant today and the theoretical material discussed in class. Supplementary assessment will be replaced with a individual assignments.</p>

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Coursework - Written	Individual Report (3000 words. 3000 words	70%
Summative	Presentation	Group presentation ? supplementary individual report (1500 words). 20-minute presentation + 10-minute discussion.	30%
Formative		Related videos and suggested readings are recommended to the students to support them to prepare to the final assessments. Formative feedback provided every week during the lectures for the progress students have made.	N/A

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.