Module Details	
Module Title	Principles of Security Technologies
Module Code	COS6025-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 2

Module Aims
To provide students with an insight into the technologies which have risen to prominence in detecting, monitoring and predicting the risk of security breaches.

Outline Syllabus
How organisations can defend themselves against breaches; technologies used to both defend and attack; motivation for attacks within security; risk assessment and legal, social and ethical issues. 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
O1	Understand key ethical, political and social issues of contemporary security and governance; critically engage with relevant key research.
O2	Show an in-depth understanding of security practices of monitoring, intervention and decision making; apply and analyse issues of security from a number of different disciplinary perspectives.
O3	Have further developed 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. Case studies used, where appropriate. Directed study includes directed reading, individual reading of journal and conference papers.

Assessment by group presentation and individual coursework takes account of issues relevant today and the theoretical material discussed in class. Supplementary assessment will be the same format as the original supplementing the group presentation with an individual assignment.

Mode of Assessment

Type	Method	Description	Weighting
Summative	Coursework - Written	Individual Report (3000 words)	70%
Summative	Coursework - Written	Group Presentation (Supplementary individual report 1500 words).	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.