UNIVERSITY of BRADFORD

Module Descriptor

Module Details	
Module Title	System Security Management
Module Code	COS5017-B
Academic Year	2020/1
Credits	20
School	Department of Computer Science
Subject Area	Computer Science
FHEQ Level	FHEQ Level 5
Pre-requisites	N/A
Co-requisites	N/A

Contact Hours	
Type	Hours
Online Lecture (Synchronous)	12
Online Tutorials (Synchronous)	12
Laboratories	12 (online and on campus)
Directed Study	164

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 2

Module Aims

To initiate and understand the concepts and principals of computer misuse, criminal acts and detection. This will help the development of student's skills in discovering, regulating and uncovering hidden and disguised information. It will also contribute to the appreciate of importance of information and data security.

Outline Syllabus

Depending on student progress and material acceptance, this module will briefly cover part or all of the following:

Overview of information forensics. Techniques for evidence gathering and analysis. Commonly used software forensic tools; Intrusion detection. Computer security and how to improve it: security standards, secure methods and diagnostics. Firewalls & Encryption; acceptable encryption policies, encryption/decryption methods. Risk assessment. Practical examples in computer crime investigation.

Learning Outcomes

Outcome Number	Description
01	Appreciate real world date security incidence Knowledge and understanding of incident and response process to it Appreciation of post incidence process
02	Appreciation of network-based evidence and evidence handling Knowledge and understanding of different virus detection tools
03	Appreciation of computer networks and network traffic and their impact on information security

Learning, Teaching and Assessment Strategy

The module time is made up of formal lectures, laboratory practical sessions, tutorials, private study and directed reading. This module develops and enhances skills and familiarity with technologies related to information security.
Any student taking supplementary assessment is required to repair the deficiency in the original assessment.
All assessments are based on preparion of research reports.

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Coursework	Research report on critical analysis of information security techniques	N/A	100%

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.
