Information Security Management

Module Information

2022.01, Approved

Summary Information

Module Code	5719YCOM
Formal Module Title	Information Security Management
Owning School	Computer Science and Mathematics
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
YPC International College (Kolej Antarabangsa YPC)

Learning Methods

Learning Method Type	Hours
Lecture	22
Tutorial	22

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-PAR	PAR	September	12 Weeks

Aims and Outcomes

Aims	To provide a detailed understanding of the main concepts of information security management.To develop an appreciation of the process of information security management, including risk analysis, control analysis and post-event security.To develop an awareness of the standards relating to information security management within enterprise environments, including legal and compliance issues.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Analyse security risks associated with a computer system using a standard methodology.
MLO2	2	Interpret legal, governance and compliance issues for information assurance.
MLO3	3	Identify success factors in information security management.

Module Content

Outline Syllabus	Concepts in Information Security; threats, vulnerabilities, attacks, models for discussing security, situational awareness, economic and business constraints, technology controls, human factors, ethics, 'cyber'.Risk Assessment; understanding risk factors, methods for risk assessment, contemporary standards such as ISO, FAIR, and NIST.Information Security Management: governance and compliance, 'Quality' and the need for audit, standards including PCI-DSS and ISO 27000.Law: the UK legal system, cyber-crime and related laws including CMA, DPA, GDPR, RIPA. Security 'conflicts' relating to privacy, surveillance, control and free-speech.Post-event Security: attacks, incident response, disaster recovery, forensics and the involvement of law enforcement.
Module Overview	
Additional Information	Information Security Management generally refers to the wide range of activities that information security practitioners engage in, although typically excludes the actual development of secure solutions through software development. In this module the focus is on the security risk analysis, management and information governance and compliance aspects of being an information security practitioner.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Security Risk Analysis	40	0	MLO1
Exam	Examination	60	2	MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Glyn Hughes	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings