COURSE DETAILS

Course Code: F20MY
Full Course Title: Information Security and Network Infrastructure Master Class
SCQF Level: 10
SCAF Credits: 15
Available as Elective: No

DELIVERY LEVEL

Undergraduate: Yes  Postgraduate Taught: No  Postgraduate Research: No

Additional Information:

COURSE AIMS

• To introduce students to the cutting edge of research in the topic of Information Security and Network Infrastructure.
• To provide students with an opportunity to create and deliver a master-class on that topic.
• To enable students to relate and apply learned knowledge to work based scenarios.
• To establish students with abilities of independent research and can articulate this research to diverse audiences.

LEARNING OUTCOMES – SUBJECT MASTERY

• Gain an understanding of the principles of network management.
• Understand the difference between threat, risk, attack and vulnerability.
• Demonstrate knowledge of appropriate strategies, standards and techniques to protect business information.
• Knowledge of network security risks and the products that can be used to increase security, resilience and dependability.
• Demonstrate advanced, critical knowledge of a specialist area of Information Security and Network Infrastructure.
• Apply appropriate technologies to develop and deliver learning materials on this topic.
• To be able to conduct a security risk assessment (e.g. risk identification, level and impact) for a defined business context.
• Provide appropriate answers to questions posed by peers on the chosen topic.
• Consider who the developed materials could be useful for and how they could be marketed.
• Critically evaluate, review, compare, analyse and organise complex, ambiguous and unreliable information sources.

LEARNING OUTCOMES – PERSONAL ABILITIES

• Self-directed, self-managing the master-class project under guidance.
• Develop original and creative solutions to open-ended problems.
• Ability to effectively deliver training material on a complex topic to peers.
• Ability to understand feedback and propose sensible improvements to own work.

SYLLABUS

Investigate a topic in Information Security and/or Network Infrastructure proposed and supervised by an academic
Research and develop training/teaching materials (lectures/labs/workshops etc.)
Conduct self-study on the chosen topic
Deliver a lecture or training session on the chosen topic
F20MY Information Security and Network Infrastructure Master Class

Develop a learning reflective report

COURSE RELATIONSHIPS
N/A

LOCATION AND ASSESSMENT METHODS

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