F20MY Information Security and Network Infrastructure Master Class

### COURSE DETAILS

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>F20MY</th>
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<tbody>
<tr>
<td>Full Course Title:</td>
<td>Information Security and Network Infrastructure Master Class</td>
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<tr>
<td>SCQF Level:</td>
<td>10</td>
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<tr>
<td>SCAF Credits:</td>
<td>15</td>
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<tr>
<td>Available as Elective:</td>
<td>No</td>
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### DELIVERY LEVEL

<table>
<thead>
<tr>
<th>Undergraduate:</th>
<th>Yes</th>
<th>Postgraduate Taught:</th>
<th>No</th>
<th>Postgraduate Research:</th>
<th>No</th>
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### 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.
Develop a learning reflective report

**COURSE RELATIONSHIPS**
N/A

**LOCATION AND ASSESSMENT METHODS**

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<tr>
<th>Edi</th>
<th>SBC</th>
<th>Ork</th>
<th>Dub</th>
<th>Malay</th>
<th>IDL</th>
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