**INFORMATION SECURITY GROUP**  
**Course Specification 2017-18**

<table>
<thead>
<tr>
<th>Code:</th>
<th>IY5501</th>
<th>Course Value:</th>
<th>20</th>
<th>Status:</th>
<th>Core A / Core B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title:</td>
<td>Security Management</td>
<td>Availability:</td>
<td>Autumn Term</td>
<td>Prerequisites:</td>
<td>None</td>
</tr>
<tr>
<td>Prerequisites:</td>
<td>None</td>
<td>Recommended:</td>
<td>None</td>
<td>Module leader:</td>
<td>Chris Mitchell</td>
</tr>
</tbody>
</table>
| Course staff: | Chris Mitchell and external speakers | Aims: | This course will: | • explain the need for effective security management.  
• identify the main elements of security management.  
• consider the ways in which organisations implement security management. |
| Learning outcomes: | Successful completion of the course will enable students to: | | • analyse information security risks, strategies and methods;  
• evaluate security management requirements;  
• define security treatments to meet identified requirements;  
• perform ongoing security functions, including internal and external audit. |
| Course content: | The list of topics may vary slightly to reflect developments in the subject but typically will include: | | • What is information security management and is it necessary?  
• The role of standards in information security management, with emphasis on the ISO/IEC 27000 series.  
• Security controls and ISO/IEC 27002.  
• Information security risk management.  
• Legal and regulatory aspects of information security.  
• Internal control, audit and security.  
• Incident management and disaster recovery.  
• Staff management.  
• Procedural issues.  
• Failures in information security management.  
• Case studies in information security management. |
| Teaching & learning methods: | The course will be delivered through 11 three-hour lectures delivered by the course leader and selected real-world security practitioners; during the lectures students are actively encouraged to discuss the lecture subject matter. Students are also expected to engage in appropriate private study and complete weekly coursework for formative feedback. |
ISO/IEC 27000 series standards. |
| Formative assessment and feedback: | Students are expected to submit answers to weekly exercises set in Moodle. Answers are marked and with feedback given. |
| Summative assessment: | Exam: 100(%) This course is assessed solely by a written two-hour examination, in which students are required to answer three questions from the five provided (of equal weight).  
Coursework: 0(%) Coursework does not contribute to the final assessment for this course.  
Deadlines: The written examination will be held in the Summer term |

The information contained in this course outline is correct at the time of publication, but may be subject to change as part of the Department’s policy of continuous improvement and development. Every effort will be made to notify you of any such changes.