Computer Science

Information Security Management (COMP0059)

Description

Aims:
The course will provide the student with an understanding of the principles of information security management that are commonly used in business. It will introduce the student to commonly used frameworks and methods and explore critically the suitability and appropriateness of these for addressing today's organisational security needs.

Learning outcomes:
The successful participant will:
1. have an understanding of the key themes and principles of information security management and be able to apply these principles in designing solutions to managing security risks effectively;
2. understand how to apply the principles of information security management in a variety of contexts;
3. have an appreciation of the interrelationship between the various elements of information security management and its role in protecting organisations.

Content:
The course covers the principles of applied information security management and is suitable for those who are looking for an in-depth understanding of security management in medium to large organisations. The course comprises the following topics: governance and security policy, threat and vulnerability management, incident management, risk management, information leakage, crisis management and business continuity, legal and compliance, security awareness and security implementation considerations; Under these broad headings, the following areas covered: ISO 27000 series and the Plan-Do-Check-Act model, assessment of threats and vulnerabilities, incident response, forensics and investigations, risk assessment and risk management frameworks, dealing with classified/ sensitive data, contingency planning, legal and regulatory drivers and issues, certification, common criteria, security awareness, education and training, and practical considerations when

Key information

Year: 2019/20
Credit value: 15 (150 study hours)
Delivery: PGT L7, Campus-based
Reading List: View on UCL website
Tutor: Dr Paul Jennings
Term: Term 2
Timetable: View on UCL website

Assessment

- Written examination (main exam period): 75%
- Coursework: 25%

Find out more

For more information about the department, programmes, relevant open days and to browse other modules, visit ucl.ac.uk
implementing the frameworks to address current and future threats. In order to be eligible to select this module as optional or elective, where available, students must meet all prerequisite conditions to the satisfaction of the module leader. Places for students taking the module as optional or elective are limited and will be allocated according to the department's module selection policy.

**Requisites:**
In order to be eligible to select this module, a student must be registered on a programme for which it is a formally-approved option or elective choice.