# Enterprise Security Management Course Descriptor

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| Course Title | Enterprise Security Management | Faculty | EDGE Innovation Unit (London) |
| Course code | NCHNAP6137 | Course Leader | Dr Yu-Chun Pan |
| Credit points | 15 | Teaching Period | This course will typically be delivered over a 6-week period. |
| FHEQ level | 6 | Date approved | September 2022 |
| Core/Optional | Core for Cyber Security Specialist Specialism | | |
| Prerequisites | | | |

## Course Summary

The effective management of enterprise IT security is dependent upon a range of technological, physical, and human factors, from governance to policy, through to staff expertise and training. Establishing responsibility and decision-making authority for the security service provider paves the way for effective policy and strategy that underpin implementation plans. This course examines a systematic approach to audit, analysis, risk, cost, and timeline planning for the most effective deployment of security service resources. It also considers the wider implementation environment including, organisational constraints and the managerial skills required to ensure the effectiveness of security management.

## Course Aims

- To provide learners with detailed insight into the governance and policies that underpin the effective implementation of security services.
- To understand organisational constraints, strategic decision making and security service project management.
- To enable learners to analyse, assess and prioritise security risks and plan the implementation of security services.

# Learning Outcomes

On successful completion of the course, learners will be able to:

## Knowledge and Understanding

K1c Demonstrate knowledge and critical understanding of security governance, policy, strategy and organisational constraints.

K2c Demonstrate knowledge and critical understanding of audit, security risk analysis, security service project management.

K3c Demonstrate knowledge and critical understanding of the management and interpersonal skills required to successfully manage IT security.

## Subject Specific Skills

S1c Inform security strategy and policy decision making and promote a security culture.

S2c Be aware of organisational constraints, conduct business security risk analysis and audit, identify, and prioritise areas of risk, vulnerability and weakness.

S3c Apply specialist knowledge to develop an IT security road map and risk register with identified priorities, budget, and timeline.

## Transferable and Professional Skills

T1ci Apply analytical and critical thinking skills to complex business and technological problems.

T1cii Utilise an advanced level of technical proficiency of written English, while effectively applying scholarly terminology, to critically evaluate, analyse and make judgements and apply these appropriately to a range of diverse contexts.

T2c Evaluate business needs and maximise the impact of resources.

T3c Apply negotiation skills and complete tasks to an identified timeline in accordance with stakeholder requirements.

# Teaching And Learning

This is an e-learning course, taught throughout the year.

Teaching and learning strategies for this course will include:

- Online learning
- Online discussion groups
- Online assessment

Course information and supplementary materials will be available on the College's Virtual Learning Environment (VLE).

Learners are required to attend and participate in all the formal and timetabled sessions for this course. Learners are also expected to manage their self-directed learning and independent study in support of the course.

The course learning and teaching hours will be structured as follows:

- Off-the-job learning and teaching (6 days x 7 hours) = 42 hours
- On-the-job learning (12 days x 7 hours) = 84 hours (e.g. 2 days per week for 6 weeks)
- Private study (4 hours per week) = 24 hours

Total = 150 hours

Workplace assignments (see below) will be completed as part of on-the-job learning.

# Assessment

## Formative

Learners will be formatively assessed during the course by means of set assignments. These will not count towards the final degree but will provide students with developmental feedback.

## Summative

Assessment will be in two forms:

| AE | Assessment Type | Weighting | Online submission | Duration | Length |
|---|---|---|---|---|---|
| 1 | Set Exercises | 60% | Yes | Requiring on average 20 – 30 hours to complete | - |
| 2 | Written Assignment (workplace case study) | 40% | Yes | - | 1500 words |

# Feedback

Learners will receive formal feedback in a variety of ways: written (via email or VLE correspondence) and indirectly through online discussion groups. Learners will also attend a formal meeting with their Academic Mentor (and for apprentices, including their Line Manager). These bi or tri-partite reviews will monitor and evaluate the learner's progress.

Feedback is provided on summative assessed assignments and through generic internal examiners' reports, both of which are posted on the VLE.

# Indicative Reading

Note: Comprehensive and current reading lists for courses are produced annually in the Course Guide or other documentation provided to learners; the indicative reading list provided below is used as part of the approval/modification process only.

# Books


- Blum, D. (2020) *Rational Cybersecurity for Business: The Security Leaders' Guide to Business Alignment*: Apress.
- Brumfield, C. and Haugli, B. (2021), *Cybersecurity Risk Management*: Wiley.
- Taylor, A., Alexander, D., French, A., and Sutton, D. (2008) *Information Security Management Principles*: British Informatics Society Limited.


# Journals

Learners are encouraged to read material from relevant journals on Enterprise Security Management as directed by their course leader.

# Electronic Resources

Learners are encouraged to consult relevant websites on Enterprise Security Management.

# Indicative Topics

Learners will study the following topics:

- Implementing Security Services
- Security Governance and Policy
- Cyber Risk Assessments and Audit

| **Title: NCHNAP6137 Enterprise Security Management**<br>**Approved by: Academic Board**<br>**Location: Academic Handbook/Programme specifications and Handbooks/Undergraduate Apprenticeship Programmes/BSc (Hons) Digital & Technology Solutions Programme Specification/Course Descriptors** | | | | | |
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