



Course syllabus

Faculty of Technology

Department of Informatics

4IK508 Strategisk informationssäkerhetshantering, 7,5 högskolepoäng
Strategic Information Security Management, 7.5 credits

Main field of study

Informatics

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

Second Level

Progression

A1N

Date of Ratification

Approved by Faculty of Technology 2019-04-24

The course syllabus is valid from spring semester 2020

Prerequisites

Bachelor degree in Informatics or equivalent.

Objectives

Knowledge, understanding and skills after completing the course students should be able to:

- demonstrate knowledge and deeper understanding of strategic information security in relation to the use of information and information systems in organizations.
- demonstrate knowledge and understanding of the importance of a strategic approach to information security in organizations
- learn to organize and report the results of literature searches both in scientific literature and in daily newspapers relevant to research in strategic planning for information security
- be able to account for different approaches and methods when working with information security issues
- be able to explain and demonstrate an understanding of working with information security awareness in organizations.
- present and discuss own work in relation to existing knowledge in strategic information security

Content

The course covers the following topics:

- Introduction to security and key concepts of information security
- Principles of information security management
- Governance and strategic planning for security
- Information security policy
- Discussion on security program in organizations and Risk management
- Security management practices and planning for contingencies including security maintenance

Type of Instruction

Teaching consists of lectures, seminars and assignments. Assignments are performed as independent work.

Examination

The course is assessed with the grades A, B, C, D, E, Fx or F.

The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in a pass. The grade F means that the student's performance is assessed as fail (i.e. received the grade F).

Assessment of student performance is made through two individual written assignments as follows:

- Assignment 1 (literature study) – 3 ECTS (U,G)
- Assignment 2 (Project work) – 4.5 ECTS (A-F)

To obtain an E grade the students must pass all the assignment. Students who do not pass the regular examination are given the opportunity to do a resit examination shortly after the regular examination.

Repeat examination is offered in accordance with Local regulations for courses and examination at the first and second-cycle level at Linnaeus University.

If the university has decided that a student is entitled to special pedagogical support due to a disability, the examiner has the right to give a customised exam or to have the student conduct the exam in an alternative way.

Course Evaluation

During the implementation of the course or in close conjunction with the course, a course evaluation is to be carried out. Results and analysis of the course evaluation are to be promptly presented as feedback to the students who have completed the course. Students who participate during the next course instance receive feedback at the start of the course. The course evaluation is to be carried out anonymously.

Other

Grade criteria for the A–F scale are communicated to the student through a special document. The student is to be informed about the grade criteria for the course by the start of the course at the latest.

Required Reading and Additional Study Material

Herbert Mattord and Michael Whitman, *Management of Information Security*, 6th Edition, 2018, Cengage Learning, ISBN: 978-1-337-40571-3 (728 pages)

A Compendium (app. 100 pages) in the form of digital material will be made available, chosen in consultation with the teacher and the examiner. As far as possible, materials will be available online for students to access as they see fit.

