UNIVERSITY OF SKÖVDE

TRANSLATION FROM SWEDISH

COURSE SYLLABUS

Information Security Management A1N

7.5 credits

Course code: IT813A
Version number: 1
Valid from: 1 July 2025
Ratified by: Curriculum Committee for Informatics
Date of ratification: 12 December 2024

1. General information about the course

The course is provided by the University of Skövde and is named Information Security Management A1N (Ledning och styrning av informationssäkerhet A1N). It comprises 7.5 credits and is a second-cycle course. The level of progression is A1N.

The course is a part of the main field of study in Informatics. The disciplinary domain of the course is Technology.

2. Entry requirements

A Bachelor's degree (equivalent to a Swedish kandidatexamen) within the fields of informatics or computer science or the equivalent.

A further requirement is proof of skills in English equivalent of studies at upper secondary level in Sweden, known as English course 6 / English course B. This is normally demonstrated by means of an internationally recognized test, e g IELTS, TOEFL or the equivalent.

3. Course content

The course gives participants the prerequisites to implementing and managing an information security management system (ISMS). The course contains an introduction to the field of systematic information security work, in addition to six different elements with theoretical and practical elements. Theory building is based on standards, methods and tools for information security management systems. Current research findings are being discussed in order to provide in-depth knowledge in the field. The practical application is based on international/national regulations and recommendations related to information security management systems. In addition, the practical application is based on assignments undertaken in external organisations in order to provide the skills and ability to apply an ISMS in practice.

4. Objectives

After the completed course the student should be able to:

- define and describe systematic information security work from best practice and current research,
- conduct analyzes for the deployment of an information security management system,
- design the deployment of a management system,
- draw up a plan for use and follow-up regarding the deployment of a management information security system, and
- orally and in writing present produced results in groups and individually, and
- reflect and compare the results with current research.

5. Examination

The course is graded VG (Pass with distinction), G (Pass) or U (Fail).

The course units are examined both orally and in writing.

The examinations of the course consist of the following modes of assessment:

- **Assignment 1 - Analysis**
  3.5 credits, grades: G/U
- **Assignment 2 - Design, use and evaluate**
  4 credits, grades: VG/G/U (determines the final grade)

Students with a permanent disability who have been approved for directed educational support may be offered adapted modes of assessment.

6. Types of instruction and language of instruction

The teaching is comprised of lectures, presentations, workshops and seminars/group discussions.

The teaching is conducted in English.

7. Course literature and other educational materials

ISO/IEC 27000:2018 Information technology - Security techniques - Information security management systems - Overview and vocabulary

ISO/IEC 27001:2022 Information technology - Security techniques - Information security management systems - Requirements

ISO/IEC 27002:2022 Information technology - Security techniques - Code of practice for information security controls

ISO/IEC 27003:2017 Information technology - Security techniques - Information security management systems - Guidance

MSB. *Method support for information security management systems (ISMS)* [Elektronisk] URL:http//:www.informationsakerhet.se

Scientific articles according to reference list on the course page on the learning platform.

8. Student influence

Student influence in the course is ensured by means of course evaluation. The students are informed about the results of the evaluation and potential measures that have been taken or are planned, based on the course evaluation.

9. Additional information

Further information about the course, as well as national and local governing documents for higher education, is available on the website of the University of Skövde.