UNIVERSITY OF SKÖVDE

TRANSLATION FROM SWEDISH

COURSE SYLLABUS

Principles for Privacy, Information Security and Cybersecurity A1N

7.5 credits

Course code: IT811A
Version number: 2.1
Valid from: 1 July 2026
Ratified by: Curriculum Committee for Informatics
Date of ratification: 5 February 2026

1. General information about the course

The course is provided by the University of Skövde and is named Principles for Privacy, Information Security and Cybersecurity A1N (Principer för integritet, informationssäkerhet och cybersäkerhet 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 6 or English level 2. This is normally demonstrated by means of an internationally recognized test, e.g., IELTS, TOEFL, or an equivalent.

3. Course content

Sustainable development in a digitised society requires good control over privacy, information security and cybersecurity. The course provides an introduction to the areas of privacy, information security and cybersecurity, by presenting essential theories and principles for each area and the way in which these areas are linked to each other. Furthermore, current findings from both practice and research are presented as well as legal and ethical aspects.

4. Objectives

After completed course the student should be able to:

- describe the principles and theories regarding the themes of integrity, information security and cybersecurity;
- describe and reflect on how the themes interact with each other and what distinguishes them;
- discuss and analyze the state of the art in the field of research and practice;
- discuss and analyze tools and models in the application areas of the theme areas; and
- analyze and critically reflect on legal and ethical aspects in the thematic areas.

5. Examination

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

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

- **Seminar assignment**
  3.5 credits, grades: G/U
- **Written assignment**
  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 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

Scientific articles indicated on the course website.

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

The content of the course corresponds completely or partially with the following course(s) and cannot be included in the required credits of a degree qualification:

- IT753A - Principles for Privacy, Information and Cyber Security A1N 7.5 credits

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.