Principles for Privacy, Information and Cyber Security A1N
7.5 credits

1 Name, Scope and Level of the Course
The course is provided by the University of Skövde and is named Principles for Privacy, Information and Cyber Security A1N. It comprises 7.5 credits and is on advanced level. The level of progression of the course is A1N.

2 Objectives
After completed course the student should be able to:

- describe the principles and theories regarding the themes of integrity, information security and cyber security;
- 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.

3 Course Content
Sustainable development in a digitised society requires good control over privacy, information security and cyber security. The course provides an introduction to the areas of privacy, information security and cyber security, 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 Forms of Teaching
The teaching comprises lectures and seminars/group discussions.

The teaching is conducted in English.

5 Examination
The course is graded A (Excellent), B (Very good), C (Good), D (Satisfactory), E (Sufficient) or F (Fail).

Registration of examination results:

<table>
<thead>
<tr>
<th>Name of examination</th>
<th>Credits</th>
<th>Grading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written assignment</td>
<td>7.5 credits</td>
<td>A/B/C/D/E/F</td>
</tr>
</tbody>
</table>

Students with a permanent disability who have been approved for special educational support may be offered adapted or alternative examinations.

6 Admission 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.

7 Subject, Main Field of Study and Disciplinary Domain
The course forms a part of the academic subject area of Informatics. The course is a part of the main field of Technology.
study in Informatics at the University of Skövde. The disciplinary domain of the course is Technology.

Every course at the University of Skövde belongs to a subject. The division of subjects is used for follow-up and quality assurance. A main field of study is an area in which a degree can be awarded. Disciplinary domain is a division which is used by the government for the allocation of resources for studies at basic level and advanced level.

8 Approval of Course and Course Syllabus
The course was approved by the Curriculum Committee for Informatics on 4 October 2018. This course syllabus was approved by the Curriculum Committee for Informatics on 4 October 2018. It is valid from 1 July 2019.

9 Overlapping with Another Course
This course cannot constitute a part of a degree also containing a course the content of which is totally or partly equivalent to the content of this course.

10 Additional Information
Further information will be available on the university's website before a course is given.

National and local regulations for higher education are available on the university's website.

Upon completion of the course there will be a follow-up. The main purpose of this follow-up is to contribute to improvements of the course. The students’ experiences and views constitute one of the criteria for the follow-up and are gathered by means of course evaluations. The students will be informed of the results of the follow-up and any decisions regarding actions that are to be taken.

11 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.