1 Name, Scope and Level of the Course
The course is provided by the University of Skövde and is named Information and Cyber Security: Principles and Practices A1N. It comprises 3 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:

- apply core cyber security concepts and related design principles,
- analyze and evaluate cyber security threats,
- use security data and standard security repositories, and
- use software libraries and custom scripts to test for cyber security vulnerabilities.

3 Course Content
This course introduces information and cyber security principles and practices that contribute to core knowledge expected in the job market. Relevant standards used to evaluate and analyze cyber security alerts are introduced and practiced through a hands-on laboratory assignment that involves case studies from industrial security incidents. We focus on technical developments involving technologies employed for information and cyber security assessment, and related risk implications.

4 Forms of Teaching
The teaching comprises lectures and laboratory sessions.

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>Report1</td>
<td>1.5</td>
<td>A/B/C/D/E/F</td>
</tr>
<tr>
<td>Laboratory assignment</td>
<td>1.5</td>
<td>G/U</td>
</tr>
</tbody>
</table>

1 Determines the final grade of the course.

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, Interaction Design, Cognitive Science, Automation Engineering, Industrial Engineering or Product Design Engineering or the equivalent and at least twelve months documented professional experience in a relevant area.

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

If you lack academic credentials, you can apply to be judged on real competence.

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 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 established by the Curriculum Committee for Informatics on 11 February 2021. This course syllabus was ratified by the Curriculum Committee for Informatics on 11 February 2021. It is valid from 1 July 2021 and replaces the course syllabus ratified 11 February 2021.

9 Overlapping with Another Course
This course cannot constitute a part of a degree 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.

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

Other course material is provided via learning platform.