COURSE SYLLABUS

Ledning och styrning av informationssäkerhet A1N
Information Security Management A1N
7.5 credits

Course Code: IT756A
Course Name: Information Security Management A1N
Primary Subject: Informatics
Main Field of Study: Informatics
Disciplinary Domain: Technology
Academic Level: Advanced level

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

2 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.

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 Forms of Teaching
The teaching comprises lectures, presentations, seminars/group discussions and workshops.

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).

The course units are examined both orally and in writing.

Registrations of examination results:

<table>
<thead>
<tr>
<th>Name of examination</th>
<th>Credits</th>
<th>Grading</th>
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<tbody>
<tr>
<td>Assignment 1 - analysis</td>
<td>3.5 credits</td>
<td>G/U</td>
</tr>
<tr>
<td>Assignment 2 - design, use and evaluate¹</td>
<td>4 credits</td>
<td>A/B/C/D/E/F</td>
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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 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 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
ISO/IEC 27001:2013 Information technology - Security techniques - Information security management systems - Requirements
ISO/IEC 27003:2017 Information technology - Security techniques - Information security management systems - Guidance

MSB (2018). Method support for information security management systems (ISMS) [Elektronisk] URL:http://www.informationsakerhet.se

Scientific articles according to reference list on the course website.