Strategic security and IT-management 7.5 credits A7001E

Säkerhet och IT-managment

Course syllabus admitted: Autumn 2023 Sp 1 - Present

DECISION DATE
2022-11-07

Strategic security and IT-management 7.5 credits A7001E

Säkerhet och IT-managment

Second cycle, A7001E

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	U G VG *	Systemvetenskap	Informatics/Computer and Systems Sciences

Main field of study

Information Security

Entry requirements

Minimum 120 ECTS of university studies including 60 ECTS in the areas of Computer- or System Science.

Applicants must have documented skills in English corresponding to the level of English in Swedish upper secondary education (English B). Proven language proficiency in English, can for example be shown by an international English test as TOEFL or IELTS. Some specified university studies can also be equivalent. You can find the details at the attached link. http://www.ltu.se/edu/For-Non-EU-students/Application-process/English-language-requirements-1.65423?l=en

Selection

The selection is based on 30-285 credits

Course Aim

After completing the course, the student will be able to:

1. Select and apply models for strategic development of information security and information systems.
2. Explain the significant prerequisites for high levels of information security in information systems within organisations, as well as between organisations.
3. Analyse and reflect on the relationship between security standards and organisational need for flexible and dynamic use of information systems.

Contents

The students are introduced to key terminology, models, concept and theories for strategic security and information systems management. Socio-technical perspectives are applied to problematic security situations and, as an enabler, to organisational change of attitudes and acceptance of information security.

Information security and responsibilities are particularly emphasised in this course, with a management perspective on technical, social, and organisational levels.

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Realization

Each course occasion´s language and form is stated and appear on the course page on Luleå University of Technology's website.

During the course, the student writes articles/reports addressing the aims of the course. Through a number of introduction lectures that include discussion of contemporary literature, the student becomes prepared for article/report submission. Knowledge is shared and created within the course through virtual meetings with teachers and other students for discussions, supervision, teamwork and seminars.

Teaching is in English and on the Internet for distance students or on campus for students living here. IT support: Learning management system, e-mail and phone.

For student on campus there will be meetings on campus.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. Each of the three course aims is also examined by individually submitted reports, and opposition on one fellow student's work.

- Individual assignments relating to the course aims 1-3, 7.5hp (U, G, VG)

In order for a student to get VG in the whole course, a VG grade must be accomplished in the individual assignments and in the opposition on one fellow student's work.
For the G grade, a student should achieve the grade G in the individual assignments and group tasks and in the opposition on one fellow student's work.

All included examination parts must be completed for the final grade on the course.

Grades are given according to the scale: U, G, VG.

Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term "unauthorized aids" refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

Remarks

Technical Requirements: access to PC with Windows XP, microphone, Web cam and permission to install software. Internet connection (minimum 0,5 Mbps).

Course offered by

Department of Computer Science, Electrical and Space Engineering

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Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0005	Individual assignment reports	U G VG *	7.5	Mandatory	S17	

Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

Last revised

by Robert Brännström 2022-11-07

Syllabus established

by Jonny Johansson, Huvudansvarig utbildningsledare SRT 2011-10-14