IS-project 15 credits
A7009E

IS-projekt

Course syllabus admitted: Spring 2024 Sp 3 - Present

DECISION DATE
2023-06-16

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IS-project 15 credits A7009E

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Second cycle, A7009E

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	U G VG *	Informationsteknik	Computer Technology

Entry requirements

At least 120 credits, including 60 credits in the areas of computer science, computer engineering or economics. English language equivalent to English 6.

Selection

The selection is based on 30-285 credits

Course Aim

The course focuses on awareness, behavior, and culture within information security (ABC of Cybersecurity: Awareness, Behavior, and Culture). The orientation is relevant for various leading project assignments in information security, such as designing training for employees or planning and carrying out risk analyses in cross-functional groups, i.e., employees with different backgrounds, skills, and experiences. The student is expected to engage and contribute practically during the course's lessons to practice and reflect on the methods and techniques of the project work. In addition to this, by working independently or in a group, the student must demonstrate the ability to plan, lead, and complete time-limited information security projects.

After passing the course, the student is expected to:

- know and be able to describe key concepts within organizational information security culture and situational leadership,
- practiced communication through dialogue and presentations,
- demonstrated ability to analyze gender equality aspects in relation to cross-functional projects,
- be able to plan, apply and evaluate strategies, methods, and techniques for information security projects,
- reflect on completed project work and one's own learning, i.e., practice metacognitive ability, and then be able to propose strategies for improved project work.

Contents

Awareness, behavior, and culture for information security in connection with various related project assignments are the thematic areas of the course. The areas of the course are aimed both at project leaders in the field and at employees' everyday lives, i.e., how information security work in an organization is expected to be conducted and how employees are expected to integrate it into their work. The information security work includes planning and carrying out workshops and analyses, communicating, collaborating, advising the organization's management, and developing and implementing employee training. These elements make great demands on you as a project manager and your communication skills. Therefore, support and reflection for the student's personal development in relation to information security work are central to the course.

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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.

The course is given simultaneously remotely and on campus. Lectures, active lesson sessions, and dialogue seminars are conducted remotely, while supervision and follow-up in student projects and practical labs are provided on campus whenever possible. Active participation in lectures, seminars, and lesson sessions is included in the examination either through participation or, when this is not possible, by submitting extra tasks. Information security-related project work is done individually or in groups. The course applies peer-to-peer, i.e., you, as a student, give feedback to another student or group of students. Feedback should support and help other students, not criticize their work. Feedback is given both verbally and in writing. Included articles are read and commented on jointly by the students using a digital tool. Other digital tools for collaboration may be used, in which case these do not require installation on the computer.

The students must use the digital aids that the course is based on, primarily online meetings (Zoom, Teams) and the university's online learning platform. For this, a computer with a headset, webcam, and Internet connection (at least 1 Mbit/s) is needed, as well as student authorization to install these programs on the computer. Otherwise, students are expected to follow sound rules of conduct for remote meetings, for example, to ensure sound quality by using a headset, to have the webcam on when talking, and to identify themselves in meetings by entering their names when logging in. Besides this, as a student, you are expected to communicate with the teacher regarding your participation in seminars, how mandatory examination tasks are progressing, or if you need extra feedback or supervision.

The course's language of instruction is English.

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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.

The course is examined through the following:

Project work, 10 credits (U, G, VG)

Presentations, 5 credits (U, G, VG)

The examination occurs through written and oral tasks, reports and reflection, and project work.

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

For grade G, it is required that the student has been active in the course's elements and demonstrated oral and written ability to describe and exemplify applications of the central parts of the course. The mandatory assignments must be submitted within the course's reading period.

For grade VG, it is required that the student has reached level G and beyond that has demonstrated oral and written reflective ability to analyze and propose adaptations or extended use of the included central parts of the course.

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

If there is a decision on special pedagogical 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.

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

To participate from online, you need access to a computer with headset, web camera and Internet connection (at least 1 Mbit/s). You also need permission to install software on the computer.

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Overlap

The course A7009E is equal to A7004N

Course offered by

Department of Computer Science, Electrical and Space Engineering

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Presentation	U G VG *	5	Mandatory	S18	
0002	Project	U G VG *	10	Mandatory	S18	

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 2023-06-16

Syllabus established

by Jonny Johansson, HUL SRT 2017-02-15