Trends in IS and Information Security 7.5 credits A7002E

Trender inom IS och informationssäkerhet

Course syllabus admitted: Autumn 2023 Sp 1 - Present

DECISION DATE
2022-03-21

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Trends in IS and Information Security 7.5 credits A7002E

Trender inom IS och informationssäkerhet

Second cycle, A7002E

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

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.
The course is given in English, so good English skills are also a prerequisite.

Selection

The selection is based on 30-285 credits

Course Aim

The overall aim is that students will gain insight into various trends in IS and information security.

Knowledge and understanding
Upon completion of the course, the student should be able to:

- describe the key research areas of IS and information security.
- discuss the research environment and nature of information security
- participate in discussions relating to information security research in relation to approaches of practice-oriented research; contextual perspective research and conceptual and philosophical orientation.

Skills and abilities:
Upon completion of the course, the student should be able to:

- independently conduct a comparative academic study, related to the relationship between research and practice
- critically review and evaluate scientific papers in the area of information security.

Values and attitudes
Upon completion of the course, the student should be able to present a critical approach to his own and others' research, as well as describe the impact of the research.

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Contents

The course presents different aspects of current research and practice related to information security, by studying documents of scientific publications, field observation and through experience and perceptions of researchers and practitioners in the area.
The course covers:

- IS research and information science prerequisites and nature
- Information security research areas
- Trends and debates within information security
- Practitioners approach to information security and development trends.

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 consists of seminars and lectures about research and professional issues. The work includes a project in which students independently find empirical data to be analysed. The result of the project is presented in the form of a qualified research report.

Teaching is in English and on the Internet for distance students or on campus for the students living here. IT support: Learning management system, e-mail and phone. The learning Management System is used for delivering course material, information and submissions. Knowledge is shared and created within the course through virtual meetings with teachers and other students for discussions, supervision, teamwork and seminars. For students on campus there will be meetings and examination 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.
Individual assignments 2,5 hp
Individual assignments 5 hp

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
0002	Individual assignment reports	U G VG *	5	Mandatory	A12	
0003	Individual assignment reports	U G#	2.5	Mandatory	A13	

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 2022-03-21

Syllabus established

by Jonny Johansson, HUL SRT 2012-02-14

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