

TSFS02, Assessment of Information and Technologies for ICT Safety, 7.5 credits

*Värdering av information och teknologier för IT- säkerhet, 7,5
högskolepoäng*

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by the programmes director by delegation from the pro-dean for first- and second-cycle studies on 2014-10-13 to be valid from 2014-10-13, autumn semester 2014.

General Information

The course is offered as a commissioned education.

Subject: Technology and social change

The course is offered as a freestanding course.

It can be included in a first or second cycle degree.

Language of instruction: English

Main field of studies

-

*Depth of study relative to the degree
requirements*

A1N, Second cycle, has only first-cycle
course/s as entry requirements

Learning outcomes

On completion of the course, the students shall be able to

Knowledge and understanding

- informed by the current discourse on issues of digital security, account for basic security measures, strategies and concepts with regard to safe communication

- account for basic IT tools with regard to safe online communication
- identify and classify possible threats on the basis of an assessment of safety-critical information
- draw up a plan of safe communication for both offline and online communication for a certain target group

Competence and skills

- make a general plan of safe information management
- classify information with regard to aspects of threat and security
- make basic use of relevant security software
- propose a complex solution to an identified threat to digital security for a development project in a specific context and situation

Judgement and approach

- justify and explain choices of security strategies for offline and online communication
- judge what is safety-critical information

Course content

The course focuses on knowledge and insight into digital security measures, classification of contents and safe communication. The participants are enabled to identify and classify possible external threats through knowledge of what can be regarded as safety-critical information. The participants are also provided with a general overview of the discussion about security issues. Practical exercises provide the participants with basic training in technological security, risk assessment and the mitigation of risks in digital communication.

Course design

The teaching consists of lectures, seminars and scheduled group exercises. Attendance is compulsory at seminars and group exercises.

The course is offered partially as a distance learning course and makes use of an online learning platform and/or digital tools. It presupposes that students who enrol on the course understand these conditions and have access to a computer with internet connection. Further information regarding technical requirements is available from the department.

The course also includes components requiring the physical presence of participants.

Assessment

The assessment is based on ongoing assignments and a project presentation.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, Pass, Pass with distinction.

Entry requirements

To be admitted to the course, participants must have a Bachelor's degree in an optional subject.

Further information

1. The course is offered at the Centre for Work, Technology and Social Change (WTS) at Lund University.
2. The credits allocated for course content that in whole or in part is commensurate with another course can only be credited once for a degree. For further details see the current registration information and other relevant documentation.

Subcourses in TSFS02, Assessment of Information and Technologies for ICT Safety

Applies from H14

1401 Assessment of Information and Technologies for ICT Safety, 7,5 hp
Grading scale: Fail, Pass, Pass with distinction