



# FEP3500 Cybersecurity and Privacy Summer School 3.5 credits

Sommarskola i cybersäkerhet och integritet

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

## Establishment

Course syllabus for FEP3500 valid from Spring 2024

## Grading scale

P, F

## Education cycle

Third cycle

## Specific prerequisites

Registered PhD student in a Swedish University, in Electrical Engineering, Computer Science, Computer Engineering, Information and Communication Technologies, or related area.

## Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

## Intended learning outcomes

After passing the course, the student should be able to:

- Evaluate vulnerabilities and threats in networks, computers, software and applications
- Develop and evaluate defence mechanisms, carrying out security and privacy analyses
- Analyse ethical problems that may arise
- in order to
- Understand, explain, and analyze security and privacy research results in a specific domain/system and initiate own security or privacy investigations towards creating own solutions.

## Course contents

- Solutions of real security and privacy problems.
- Security and privacy challenges.
- Theoretical fundamentals of security and privacy.
- Recent research results in security and privacy.

## Examination

- PRO1 - Project, 3.5 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

The evaluation is done based on the written report, in its final form, and the peer review submitted

by the student. The work is performed individually. The report is based on the selected seminar

topic, recommended reading, and the individual investigation results. The work includes one week of

attendance and 2 weeks of individual study and half a week of reviewing and additional reading.

Report, draft and final, and peer-review are submitted in Canvas.

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adapt an examination for students with documented disability. The examiner may apply another

examination format when re-examining individual students.

## **Other requirements for final grade**

Compulsory attendance during the summer school week.

## **Ethical approach**

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.