



# EP250V Cybersecurity and Privacy Summer School 3.5 credits

Sommarskola i cybersäkerhet och integritet

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

## Establishment

Official course syllabus of EP250V applies from VT24

## Grading scale

P, F

## Education cycle

Second cycle

## Main field of study

Computer Science and Engineering

## Specific prerequisites

- Knowledge and skills in basic safety and integrity, 6 higher education credits, equivalent course EP2500/EP2510/EP2520/DD2395/DD2391/DD2520/DD2496.
- Knowledge in English equivalent to English B/English 6.

## 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:

- identify vulnerabilities and threats in networks, computers, software and applications
- describe, develop and model defence mechanisms
- carry out safety and integrity analyses

in order to

- understand and explain research results about safety and integrity in a specific research domain/systems.

## Course contents

- Solution of real safety and integrity problems (S&P).
- Security and integrity challenges.
- Theoretical bases of safety and integrity.
- Fresh research results in safety and integrity.

## Examination

- PRO1 - Project assign', 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.

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

## 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.