



FDD3344 Integritetsskyddande teknologier 7,5 hp

Privacy- Enhancing Technologies

När kurs inte längre ges har student möjlighet att examineras under ytterligare två läsår.

Fastställande

Kursplan för FDD3344 gäller från och med VT12

Betygsskala

Utbildningsnivå

Forskarnivå

Särskild behörighet

This course is for PhD students in Computer Science or related subjects.

Undervisningsspråk

Undervisningsspråk anges i kurstillfällesinformationen i kurs- och programkatalogen.

Lärandemål

The students should be able to:

- recognize threats to privacy
- explain the basic privacy terminology and concepts and use them correctly

- find and apply documentation of privacy-related problems and technologies
- get an overview of existing privacy-enhancing technologies (PETs)
- analyze system PET descriptions in terms of their privacy protection and how they work
- identify vulnerabilities of system descriptions and predict their corresponding threats
- select counter-measures to identified threats and argue their effectiveness
- compare counter-measures and evaluate their side-effects
- present and explain their reasoning to others

such that the students can:

- reason about privacy in general and PETs in particular and
- incorporate existing PETs into their research or start developing new ones.

Kursinnehåll

- Legal context for privacy in Europe
- Fundamental privacy terminology and concepts
- A range of privacy-enhancing technologies (PETs)

Kursupplägg

The course takes place as a series of day-long meetings at different locations, such as KTH, KAU, and Chalmers. Each meeting will have student presentations, discussions, and lectures.

Kurslitteratur

The reading list will be available on the course website and will be amended as the course proceeds.

Examination

Examinator beslutar, baserat på rekommendation från KTH:s handläggare av stöd till studenter med funktionsnedsättning, om eventuell anpassad examination för studenter med dokumenterad, varaktig funktionsnedsättning.

Examinator får medge annan examinationsform vid omexamination av enstaka studenter.

Övriga krav för slutbetyg

The grading is pass/fail. To pass the course, the students successfully complete the following tasks.

Do assigned reading

Select a topic

Suggest a relevant reading list for the other participants

Present the selected topic

Lead a discussion on the selected topic

Hand in a written assignment

Participate in at least 80% of the meetings, preferably in person

Missed meetings can be made up by a written report on the meeting topics.

Etiskt förhållningssätt

- Vid grupparbete har alla i gruppen ansvar för gruppens arbete.
- Vid examination ska varje student ärligt redovisa hjälp som erhållits och källor som använts.
- Vid muntlig examination ska varje student kunna redogöra för hela uppgiften och hela lösningen.