



# DH2655 Cooperative IT-design 9.0 credits

## Kooperativ IT-design

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Course syllabus for DH2655 valid from Spring 19

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

**Grading scale:** A, B, C, D, E, FX, F

**Education cycle:** Second cycle

**Main field of study:** Computer Science and Engineering

### Intended learning outcomes

After completing this course you should be able to:

- from a given context motivate, choose, combine, apply and adapt different user centered methods in order to systematically include end-users in all phases of a system development process
- critically review and reflect on different examples of cooperative design
- motivate design decisions based on both fundamental knowledge of human-computer interaction, and results from different user centered methods
- plan, perform and critically judge a multi disciplinary project performed in close cooperation with the user group and other scientific competences.

### Course main content

Overview of different methods for cooperative design. Practical examples of user centered projects. Practical methodological exercises.

Project work in a multi-disciplinary project with user cooperation in all phases of the project, from a general described theme to a specific and finished result. The project will be reported in different medias.

### Language of instruction

Language of instruction is specified in the course offering information in the course and programme directory.

### Eligibility

### Literature

Kurslitteraturen består av information som finns på nätet.

Rekommenderad kurslitteratur (inte obligatorisk): O'Sullivan and Igoe, Physical Computing: Sensing and Controlling the Physical World with Computers.

### Examination

- PRO1 - Project, 6.0 credits, grading scale: A, B, C, D, E, FX, F

- SEM1 - Seminars, 3.0 credits, grading scale: A, B, C, D, E, FX, F

In this course all the regulations of the code of honor at the School of Computer science and Communication apply, see: [http://www.kth.se/csc/student/hederskodex/1.17237?l=en\\_UK](http://www.kth.se/csc/student/hederskodex/1.17237?l=en_UK).

## **Requirements for final grade**

Methodological exercises (SEM1; 3 university credits)

Project work (PRO1; 6 university credits)