DH2655 Cooperative IT-design 9.0 credits

Kooperativ IT-design

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

Establishment

Course syllabus for DH2655 valid from Spring 2019

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Computer Science and Engineering

Specific prerequisites

Language of instruction

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

Intended learning outcomes

After completing this course you should be able to:

- from a given context motivate, chose, 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 contents

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.

Course 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

- SEM1 - Seminars, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- PRO1 - Project, 6.0 credits, grading scale: A, B, C, D, E, FX, 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.

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.

Other requirements for final grade

Methodological exercises (SEM1; 3 university credits)
Project work (PRO1; 6 university credits)

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.