DH1621 A quick introduction to Human-Computer Interaction 3.0 credits

En snabb introduktion till Människa-datorinteraktion

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 DH1621 valid from Autumn 2017

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Language of instruction

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

Intended learning outcomes

On completion of the course, the student should be able to:

- account for and have knowledge of concepts, theories and methods in human-computer interaction (HCI)
- account for and use the basics of cognitive psychology for HCI
- plan, carry out and analyse the results of field studies
- use, discuss and problematise methods for and results of interaction design for HCI,
- use and reflect on evaluation methods for HCI
- understand, evaluate and argue for user-centered systems design
- discuss the effect of the digitisation on the individual's interaction with digital technology
- reflect on his or her learning

Course contents

- Introduction to human computer interaction
- Usability, user experiences and availability
- Cognitive psychology for HCI
- Methods for field studies, observations and interviews
- Cognitive psychology for HCI
- Design methods and design methodology
- Interaction Design
- Evaluation methods for HCI
- User Centered Systems Design
- Digitisation of the society

Course literature

Interaction Design by Jenny Preece et al.

Examination

- INL1 - Written assignment, 3.0 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.

Other requirements for final grade

Active participation in the seminars, that are compulsory

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.