



# DH2620 Human-Computer Interaction, Introductory Course 6.0 credits

Människa-datorinteraktion, inledande kurs

---

Course syllabus for DH2620 valid from Autumn 08

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 you have taken the introductory HCI course you are supposed to be able to:

- identify basic concepts within HCI
- in a given data material identify theories and methods within HCI
- in a given situation apply theories and methods within HCI
- relate theories and methods within HCI to other principles of systems development
- in a given situation identify and analyze possibilities of applying theories and methods
- make motivated reflections of relevant theories and methods
- relate theories and methods within HCI to economical factors
- relate theories and methods within HCI to organizational factors
- make theoretically grounded reflections of HCI in order to market HCI in a diplomatic way

in order to:

- work independently with user centered design
- be able to analyse future users needs and thinking
- be able to identify concepts in texts that are not explicitly using the concepts.

## Course main content

Theoretical and practical aspects of the human cognitive capabilities and implications for the use of interactive computer systems. How usability design can support the user. Overview of theories of behavioural science and how they relate to design and use of interactive computer systems. Overview of other disciplines of cognitive science such as artificial intelligence, computer linguistics, anthropology, and communication science.

The students perform a small investigation relating to human-computer interaction.

The students learn to analyse user requirements, user interfaces and work situations and will be asked to suggest modifications of software.

The students are obliged to work independently and actively in parallel to the course schedule.

## Language of instruction

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

## **Eligibility**

## **Literature**

To be announced at least 2 weeks before course start at course web page.

## **Examination**

- INL1 - Assignments, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 3.0 credits, grading scale: A, B, C, D, E, FX, F

## **Requirements for final grade**

Examination (INL1; 3 university credits).

Lab work (LAB1; 3 university credits).