



# DH2610 Theory and Methodology of Science in Human-Computer Interaction 7.5 credits

Vetenskapsteori och vetenskaplig metodik i MDI

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

## Establishment

Course syllabus for DH2610 valid from Autumn 2015

## Grading scale

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

## Education cycle

Second cycle

## Main field of study

Computer Science and Engineering

## Specific prerequisites

Admitted to the Master's programme in HCI

## 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 students will be able to:

- describe different scientific traditions and identify subareas within HCI that represents these
- assess research articles within HCI regarding method, theory and research ethics
- discuss how studies are carried out from scientific and ethical perspectives
- plan quantitative and qualitative studies
- discuss possibilities and limitations with different data collection techniques, methods, and theoretical perspectives
- better assess scientific research quality, especially within the domain of HCI

## Course contents

Theory of knowledge, inductive-deductive approaches, research methods, theoretical perspectives and technologies within HCI and research-ethical consideration of them, different views of the user, relation between research, technology development, and design.

## Course literature

Meddelas senast 4 veckor före kursstart på kurshemsidan.

## Examination

- ANN1 - Other Task, 3.0 credits, grading scale: P, F
- HEM2 - Home Exercise, 1.5 credits, grading scale: A, B, C, D, E, FX, F
- ANN2 - Other Task, 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.

If the course is discontinued, students may request to be examined during the following two academic years.

In this course, the code of honour of the school is applied, see: <http://www.kth.se/csc/student/hederskodex>.

## 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.