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 2012

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 of Science, Human-Computer Interaction.

Language of instruction

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

Intended learning outcomes

After having taken this course the student should be able to:

describe different scientific traditions and identify subareas within HCI that represent these,

discuss how studies are performed in a scientific and ethical correct manner,

plan qualitative and quantitative studies,

describe how different data collection techniques can be used,

describe how qualitative and quantitative analyses can be used,

discuss opportunities and limitations with different data collection techniques, methods and analyses,

judge and review the scientific value in own and other work.

Course contents

Example of parts included in the course are: inductive-deductive approach, methods and techniques for collecting data and analysis, different approaches towards users, relation between research, development of technology and design. Practical exercises in data collection techniques.

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 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.

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.