



# FDH3355 Design for Human Machine Interaction 7.5 credits

Design för människa-maskin interaktion

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 FDH3355 valid from Spring 2019

## Grading scale

P, F

## Education cycle

Third cycle

## Specific prerequisites

None.

## Language of instruction

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

## Intended learning outcomes

After completing the course, the PhD-student will know how to:

- Understand and apply theoretical frameworks in a creative design process – from choice of design methods, materials, ethical considerations, data sources, design materials to whether and how to involve the end user in the design process
- Analyse and criticise designs – both commercial as well as academic, critical design – from an ethical, UX- and design crit position
- Provide an account of the state of art in the field of interaction design in HCI

## Course contents

The first building block is done through two lectures by the examiner of the course, introducing and discussing the epistemological foundation of the interaction design approach. Together with the PhD-students, we debate the validity of the design approach, as well as its generative capacity, its ethical consequences, including sustainability considerations.

The second building block involves reading the book, followed by a seminar with the examiner where the book is presented by the PhD-student(s) and debated.

The third block involves practical design work that the PhD-student does on their own.

The fourth block involves a so-called design crit, where we evaluate the design work done by the PhD-student(s).

## Examination

- EXA1 - Examination, 7.5 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.

The examination consists of three parts:

1. A presentation of the theoretical and methodological basis for the design approach.
2. Practical design work, ending in a fully functional prototype
3. Active participation in a design crit session.

## 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.