



# MF2037 Human Product Interaction 6.0 credits

Människa produktinteraktion

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

## Establishment

Course syllabus for MF2037 valid from Spring 2011

## Grading scale

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

## Education cycle

Second cycle

## Main field of study

Mechanical Engineering

## Specific prerequisites

CDEPR4IDE, Masterprogrammet TIPDM

## Language of instruction

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

# Intended learning outcomes

This course provides knowledge about the interaction between people, products and environments at both the individual and societal level.

After the course the student should be able to:

- analyze and discuss the interaction between products and people based on cognitive, physical and emotional factors
- examining various types of interaction and how it affects work, education and welfare
- have worked in a design project with a task on human-product interaction
- know factors that influence the interaction between people and products in a desired direction
- have basic skills in how to create and execute a survey and know the pros and cons with surveys.

## Course contents

The course is based on exercises, literature studies, seminars and experiments in full scale in which we investigate in different ways, testing, and discuss the interaction between people, product and built environment.

In this course we look at humans as a whole in which physical, cognitive and emotional elements interact and affect each other. Different models are used to understand what creates well-being and how we interact with our surroundings.

We examine critically the way products and environments create opportunities and constraints for the way we move, learn and work.

In the experiments we are testing how artfakter might encourage us to develop new ways to interact.

We learn how to use surveys as a research tools and how this can be combined with other tools

## Course literature

Emotional design, Donald Norman,

Hälsans mysterium, Aaron Antonovsky

Object-specific literature

## Examination

- PRO2 - Project Work, 3.0 credits, grading scale: P, F
- PRO1 - Project Work, 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.

## Other requirements for final grade

Approved assignments, project work and report.

Compulsory attendance of 75% of the lectures

## 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.