



MF2116 Advanced Formgiving in haptics and tactility 3.0 credits

Avancerad formgivning inom haptik och taktilitet

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

The official course syllabus is valid from the fall semester 2024 in accordance with the decision by the Head of the ITM School: M-2023-2060. Date of decision: 2023-10-13

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Mechanical Engineering

Specific prerequisites

15 higher education credits in industrial design and formgiving equivalent to the contents in the courses **MF1061 Introduction to Design and Product realisation** and **MF1062 Design and Product Realisation** together and MF2096 Advanced Formgiving.

Or MF2023 Industrial Design and MF2096 Advanced Formgiving.

Language of instruction

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

Intended learning outcomes

After passing the course, the students should be able to:

1. create abstract shapes of high quality with respect to proportions, composition and expression with the application of haptility, tactility and sound.
2. by means of human computer interaction through haptility, tactility understand how one works with physical products to increase experience and communication, and approach the human aspect to counteract the negative aspects of an increasingly digitalised world.

Course contents

Exercises in morphology, design, haptility, tactility and sound take place initially every week.

Both quantity and quality are of great importance, as is the student's documentation of and reflection on the exercises.

After briefing, the students work individually during the week with the exercise that is completed by discussions it at seminars during the following the week. During the second part of the course, a smaller design project with a focus on shape is carried out, based on the earlier exercises.

Examination

- INL1 - Hand in exercise, 1.0 credits, grading scale: P, F
- ÖVN1 - Assignments, 2.0 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.

Based on the recommendation from the KTH office of support to students with disabilities, the examiner has the right to agree on adapted forms of examination for students with a documented, permanent disability.

In re-examinations, the examiner has the right to allow other forms of examination of individual students.

Other requirements for final grade

The student should complete and submit all exercises with documentation, at a level reasonable for the scope of the course.

The student shall:

- make a presentation.
- present a final model.
- submit a portfolio.

Active participation at exercises, presentations and submission.

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.