



MH2001 Project Work in Materials Design 18.0 credits

Projektarbete inom materialdesign

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

Establishment

Course syllabus for MH2001 valid from Spring 2009

Grading scale

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

Education cycle

Second cycle

Main field of study

Materials Science, Materials Science and Engineering

Specific prerequisites

MH100X Degree Project in Materials and Process Design, First Level or similar

Language of instruction

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

Intended learning outcomes

The goal is to provide the participant with an opportunity to further train the different phases of a project work, which has been formulated in the course Degree Project in Materials and Process Design, basic level, or similar, i.e.:

- independently formulate, tackle and solve a technical problem
- to present the work carried out during a seminar
- to write a full scientific technical report

After finishing the course, the participant shall have received in-depth training and further knowledge of:

- metallic and ceramic materials properties
- how technical problems are formulated and solved with the help of scientific methodology
- how to write a technical report with requirements on content, structure and language (corresponding to TNC's standards)
- how to perform during presentation of own work

Course contents

The course is based on an individual or in Group carried out project work in metallic and ceramic materials properties or manufacture. The student will independently formulate, experimentally investigate, present, and report a technical material science projects.

Course literature

Literature survey within the area studied and handouts

Examination

- SEM1 - Seminar, 6.0 credits, grading scale: A, B, C, D, E, FX, F
- INL1 - Report, 6.0 credits, grading scale: A, B, C, D, E, FX, F
- PRO1 - Project Work, 6.0 credits, grading scale: A, B, C, D, E, FX, 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.

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.