



# MH2279 Materials Processing, Project Support 6.0 credits

Materialens Processteknologi, projektstöd

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

## Establishment

Course syllabus for MH2279 valid from Autumn 2007

## Grading scale

P, F

## Education cycle

Second cycle

## Main field of study

Materials Science, Materials Science and Engineering

## Specific prerequisites

4M1347 Metal Forming, 4 cr

4M1370 Solidification Processing, 4 cr, or equivalent

## Language of instruction

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

# Intended learning outcomes

To give training in

- process- and production analysis in a manufacturing line, starting with design and ending up with a final product
- oral presentation and writing of reports.

## Course contents

Short problems related to materials processing in production. The problems include manufacturing as well as construction.

Each student chooses a problem. A supervisor is elected for every problem. The student makes a project plan in cooperation with the supervisor. The problem is analyzed through literature, visits to industry, discussions with the supervisor and through experimental work. The different parts of the problem are presented and discussed in workshops. The work is concluded with a written report and is presented at a seminar.

## Course literature

Individual according to choice of process.

## Examination

- SEMA - Seminar, 1.5 credits, grading scale: P, F
- LIT1 - Literature Task, 1.5 credits, grading scale: P, F
- UPP1 - Essay, 1.5 credits, grading scale: P, F
- RAP1 - Report, Study Visit, 1.5 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.

If the course is discontinued, students may request to be examined during the following two academic years.

## Other requirements for final grade

Literature study (LIT1; 1,5 cr)  
Report, study visit (RAP1; 1,5 cr)  
Seminar (SEM1; 1,5 cr),  
Report (UPP1; 1,5 cr)

## 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.