MH2500 Energy & Environmental Issues within the Process Industry 6.0 credits

Energi- och miljöfrågor inom processindustrin

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 MH2500 valid from Autumn 2007

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

3C1305, Ecology and Environmental Technology, for B, 3 credits.

Language of instruction

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

Intended learning outcomes

The course aims at providing the students with: good knowledge about the environmental problems in the process industry knowledge about governmental controlling mechanisms.

Course contents

The course should give knowledge and understanding for how metallurgical processes and products affects the environment as well as the legal aspects. Strategies for minimizing the effect on the environment.

Possibilities and limitations for lowering the waste to atmosphere and water.

Dealing with waste and rest products

Use of energy

Lifecycle analysis

Metals in the environment

Environmental management

Possibility to control through the law

Course literature

Litterature will be handed out.

Examination

- PRO1 - Project, 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.

Other requirements for final grade

Project (PRO1; 6 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.