



HM1024 Advanced Project 7.5 credits

Fördjupningsprojekt

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

Establishment

Course syllabus for HM1024 valid from Spring 2015

Grading scale

P, F

Education cycle

First cycle

Main field of study

Mechanical Engineering, Technology

Specific prerequisites

Language of instruction

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

Intended learning outcomes

The comprehensive goal is that the student by his own should be capable to apply methods from his engineering training.

After completing the course the student should be able to:

- apply knowledge and skills from the education on real problems.
- analyze and treat individually a major problem issue from this technical area.
- do documentation and presentation for given group of people with demands on structure, formalities and style.

Course contents

- Problem approach, goals, purpose and limitations.
- Study of literature or information gathering which display present knowledge from this technical area.
- Selection of methods and ways of solution.
- Problem solving.
- Report in which emphasis is placed on analysis, results, independent conclusions and recommendations

Course literature

**kursbok:

**Risker i tekniska system: Grimvall, Jacobsson och Thedéen. Studentlitteratur, LUND (2003)

Rapporter handböcker (finns digitalt alt delas ut):

Guide to safety analysis for accident prevention, av Lars Harms-Ringdahl (gratis PDF)
<http://www.irisk.se/sabook/SA-book1.pdf>

Arbete och teknik på människans villkor: Bohgard m.fl. 2008, PREVENT. Främst från sektionen Information och interaktion i tekniska system, kapitel 7 och 8, men även hänvisning till övriga sektioner.

Att bygga säkerhet: Törner, Pousette och Larsson. Göteborgs universitet, 2008,
http://www.medicine.gu.se/digitalAssets/1162/1162650_verktygslada.pdf

Examination

- PRO1 - Project, 7.5 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.

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.