



ML1197 Safety and Management of Advanced Systems, Project Course 14.0 credits

Säkerhet och ledning av avancerade system, projektkurs

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

Establishment

Course syllabus for ML1197 valid from Spring 2015

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

A main part of the studies, at least 120 credits, should be completed, as well as the advanced studies that are required for the work.

Language of instruction

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

Intended learning outcomes

On completion of the course, the student should:

- Identify need for safety analysis
- Suggest appropriate/necessary measures to eliminate risks and safety issues within a production section
- be able to apply knowledge and skills that have been acquired during the education, on real problems
- independently be able to analyse and process a larger problem within the field of technology
- Be able to document and present his work for given target group with requirements on structure, formalities and language

Course contents

- Identification of risks and safety problems in a specific production section
- Development of governing documents for a selected production section
- Production of working standards for a selected production section
- Project description goals, aim and delimitations
- Literature study or information search that presents state-of-the-art knowledge within the field of technology
- Choice of method and solution principles
- Problem-solving
- Report with an emphasis on analyses, results, independent conclusions and recommendations

Disposition

Individual assignment or work in groups. Part of the project is carried out at an industrial company.

Course literature

Självständig litteratursökning och litteraturstudier inom det givna problemområdet.

Examination

- RED1 - Mid Term Presentation, 4.0 credits, grading scale: P, F

- RED2 - Final Presentation, 10.0 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.

The examination is in the form of a written report. Any or all aids are allowed.

Other requirements for final grade

Approved interim and final presentations

The final grade is based on the final presentation. Grading scale: A-F.

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.