



ML198X Degree Project in Safety and Management of Advanced Systems, First Cycle 15.0 credits

Examensarbete inom säkerhet och ledning av avancerade system, grundnivå

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

Establishment

Course syllabus for ML198X 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 in-depth 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

The overall goal is that the student should be capable of independently applying the engineering knowledge that has been acquired throughout the education.

On completion of the course, the student should:

- be able to apply knowledge and skills that have been acquired during the education, on real problems
- independently be able to analyse and process an extensive problem within the field of technology
- show ability to reflect upon, evaluate and critically review his own results and that of others
- be able to document and present his work for given target group with requirements on structure, formalities and language usage
- show ability to identify his needs for additional knowledge and continuously develop his skills

Course contents

- Pilot study
- Problem formulation, goal, aim and delimitations
- Literature study or information search that presents state-of-the-art knowledge within the field of technology
- Choice of method, the problem-solving approach
- Problem-solving
- Report, where strong emphasis is placed on analyses, results, independent conclusions and recommendations

Disposition

The degree project should include problems deepens/broadens the knowledge within the field of technology. The work is normally done at a workplace outside KTH. The student is supervised during the work by supervisors both at KTH and at the company. The degree project is carried out individually or together with another student. The work is presented orally and in written form in Swedish or English.

Course literature

Självständig litteratursökning och litteraturstudier inom det givna problemområdet.

Examination

- XUP2 - Final Presentation, 4.0 credits, grading scale: P, F
- XUP1 - Midterm Presentation, 11.0 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

Planning and implementation of work according to plan, written report and oral presentation.

Approved interim and final presentations

The final grade is based on all parts. Grading scale A-F.

- Final presentation, 4.0 credits, grading scale: P/F
- Interim presentation, 11.0 credits, grading scale: P/F

The degree project will be assessed from the following aspects:

- Process
- Engineering and scientific contents
- Presentation

To pass the degree project, it may not fail in any of the three aspects of assessment.

The grade is assigned by examiner as an overall assessment after the degree report has been checked for plagiarism.

In other respects, see instructions for degree projects, first cycle, at ITM/TMT - Applied mechanical engineering.

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.