ML110X Degree Project in Nuclear Engineering, First Cycle 15.0 credits

Examensarbete inom kärnkraftteknik, grundnivå

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 ML110X valid from Autumn 2011

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

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.
- show ability to reflect about, value and to do critical examination of individual results and from others.
- do documentation and presentation for given group of people with demands on structure, formalities and style.
- Show ability to identify the need for more knowledge and continuous competence development.

Course contents

- Preliminary study
- 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 there analyses, result, individual thoughts and recommendations are of great importance.

Specific prerequisites

A main part of the studies, at least 120 credits must be finished and other relevant courses for the degree project must be passed.

Course literature

Independent literature searching and studies in the given problem area.

Examination

- XUP1 - Subreport, 11.0 credits, grading scale: P, F
- XUP2 - Final Report, 4.0 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.

The degree project should include problem approaches which give deeper/wider studies of the technical area. The work is often at a workplace outside KTH. The student is supervised during the degree project by a tutor from KTH as well as from the company. The degree project is accomplished individually or together with another student. The project should be accounted for both in written and oral form in English or Swedish.

The degree project will be marked by these criteria:

- Process
- Engineering and scientific contents
- Presentation

For a passed degree project the student must not fail in anyone of three criteria above.

The mark is decided by the examiner as an overall evaluation after the report has been scrutinized for plagiarism.

Moreover look at the instructions for degree project at ITM/TMT

Other requirements for final grade

Planning and accomplishing of the work according to schedule, written report and oral presentation.

Passed account and passed concluding account.

The final grade is based on all parts. Grading 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.