



FMF3045 Machine design – high risk project course 15.0 credits

Maskinkonstruktion - högriskprojektkurs

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

Establishment

The official course syllabus is valid from spring semester 2024 in accordance with the decision by the Faculty Board: M-2024-0018. Date of decision: 2024-12-09.

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Admitted to the doctoral program in Machine Design, knowledge equivalent to course FMF3044 "Mechanical Engineering – literature study and thesis analysis", 15 credits

Language of instruction

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

Intended learning outcomes

After passing the course, the doctoral student should be able to:

- Practically apply methods appropriate to the research area and have developed the ability to independently carry out, interpret and critically examine the results in order to clarify whether the method and the method implementation have been appropriate for obtaining credible results that answer the scientific question

Course contents

The course is a project course where the doctoral student independently or together with another doctoral student/researcher/research group formulates a research question. The research question must be scientifically located outside the central part of the doctoral student's thesis work and preferably of an interdisciplinary nature. The doctoral student(s) define the research question and anchor it with the main supervisor(s). The study is presented at a seminar and normally as a scientific article or conference contribution.

Examination

- INL1 - Assignment, 15.0 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.

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.