



SA1005 Project in Engineering Physics 7.5 credits

Projekt i teknisk fysik

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 SA1005 valid from Autumn 2017

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Students at the Master of Science in Engineering programme Engineering Physics (CTFYS)

Language of instruction

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

Intended learning outcomes

After the course the student shall be able to

- apply relevant knowledge and skills in the field of engineering physics on a given problem,
- analyse and discuss larger complex problems within engineering physics, within a given time frame and with limited information,
- reflect upon, judge and critically evaluate his/her results as well results from others,
- document and present his/her work to a given audience, with high demands on structure, formalities and language.
- identify his/her need for additional knowledge and continuously develop his/her competence.

Course contents

The project is an individual work within a field given by the examiner. The work should normally be on a more advanced level within engineering physics. The project work shall be equivalent to 5 weeks of full-time studies. Finally, the work shall be presented in a written report and through an oral presentation at an open seminar.

Course literature

Individual and independent literature survey and studies within the given field are expected. Course literature can also be suggested by the examiner or the supervisor.

Examination

- PRO1 - Project assignment, 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.

The project is presented in a written report and through an oral presentation; in Swedish or in English. (PRO1; 7,5 hp, grading scale P/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.