



SI2801 Physics, Project Course I

15.0 credits

Fysik, projektkurs I

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

Establishment

The course plan applies from VT2025 according to the decision of the head of undergraduate education: S-2024-1372. Decision date: 2024-09-10

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Physics

Specific prerequisites

English B / English 6

Basic knowledge in physics corresponding to what is given in the first three years of the education in the bachelor program Engineering Physics.

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 student should be able to:

- Apply knowledge and skills, acquired during the education, to problems in a chosen field of physics.
- Formulate problems and use appropriate solution methods in the chosen field.
- Use independent study forms to consolidate and deepen his/her knowledge in physics.
- Present the work in both written and oral forms with requirements for content, structure and language.

Course contents

A project consists of an individual task with focus on and a topic within a certain area of physics. Deepening in the subject of physics within the framework of the project. Deepening in communicating both in writing and orally.

Examination

- PRO2 - Project, 7.5 credits, grading scale: P, F
- PRO1 - Project, 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.

If the course is discontinued, students may request to be examined during the following two academic years.

The project must be presented in both written and oral forms, i.e. the course element PRO1 is written and the course element PRO2 is oral. Usually, PRO1 consists of a written report, while PRO2 is an oral presentation in the form of a public seminar, which should be similar to those for advanced level degree project presentations.

Other requirements for final grade

Approved project work, i.e. approved course elements PRO1 and PRO2.

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.