



SK1105 Experimental Physics

4.0 credits

Experimentell fysik

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

Establishment

The course plan is valid from VT 2025 according to faculty board decision: S-2024-1355

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Active participation in SK1104 Classical 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 must be able to:

- design and carry out physical experiments and analyze measurement uncertainties.
- report results orally and in writing.
- describe the situation of diversity and inclusion in physics

Course contents

Laboratory work, seminar, written lab report.

Examination

- RED1 - Presentation, 2.0 credits, grading scale: P, F
- RED2 - Presentation, 2.0 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

To pass the course, both oral presentation and written report must be approved.

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.