SK1105 Experimental Physics 4.0 credits

Experimentell 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 SK1105 valid from Autumn 2017

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Recommended prerequisites:

Compulsory courses in mathematcs and physics from year 1, CTFYS.

Language of instruction

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

Intended learning outcomes

After completing the course, the student should be able to:

- Design and perform experiments in physics
- Identify and minimize different sources of errors
- Present results in oral and written form
- Present physical conditions in classical physics

Course contents

Interactive lectures, laboratory work, presentation seminars.

Course literature

Lecture notes

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.

Other requirements for final grade

Passing grade in the course requires passing grade in both RED1 and RED2.

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.