



Faculty of Science

FYSB08, Physics: Applied Work, 15 credits

Fysik: Praktik, 15 högskolepoäng

First Cycle / Grundnivå

Details of approval

The syllabus was approved by The Education Board of Faculty of Science on 2024-05-27. The syllabus comes into effect 2024-05-27 and is valid from the spring semester 2025.

General information

The course is an elective course in the first cycle for a degree of Bachelor of Science in Physics.

Language of instruction: Swedish and English

Main field of study *Specialisation*

Physics G2F, First cycle, has at least 60 credits in first-cycle course/s as entry requirements

Learning outcomes

The main aim of the internship is that the student shall gain general work experience, practical training in physics-related work, and create contacts with potential future employers.

Knowledge and understanding

On completion of the course the student shall be able to:

- account for the tasks of a physicist at a workplace
- give examples from the labour market for a physicist

Competence and skills

On completion of the course the student shall be able to:

- plan and carry out an internship
- make and follow a time plan
- in writing document and account for experiences from a physics-related workplace

Judgement and approach

On completion of the course the student shall be able to:

- reflect on his/her education in relation to the labour market's requirements and needs

Course content

The course covers planning, implementation and reporting of an internship. The internship should be related to the student's education in physics.

Course design

The student shall contact a workplace and a supervisor. The internship is planned by the student in consultation with the supervisor, and must be approved by the examiner of the course. The internship shall correspond to 35-40 working days of 8 hours. The student shall follow a time plan and document his/her tasks continuously. An internship report shall be written after the internship has ended. The report shall contain a general description of the workplace, a detailed description of the performed tasks, as well as an evaluation of the internship. Documents produced during the internship can be attached to the report. In the written report, the student shall reflect on his/her education in relation to the general and subject-specific competence requirements of the workplace. Participation at the workplace during the internship, as well as the written report are compulsory.

Assessment

The examination takes place in writing in the form of an internship report at the end of the course. The report should be approved by the host supervisor, who also should certify attendance and activity during the work period.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Grades

Grading scale includes the grades: Fail, Pass

To pass the whole course, it is required that the course coordinator approves both the student's written report and the certificate from the supervisor.

Entry requirements

Admission to the course requires 60 credits in physics and 30 credits in mathematics as well as general entry requirements.

Further information

The course may not be included in an academic degree together with FYSB06 or practical training courses in other subjects.

The course is offered at the Department of Physics, Lund University.