



LUND
UNIVERSITY

Faculty of Science

FYSP01, Physics: Applied Work, 7.5 credits *Fysik: Praktik, 7,5 högskolepoäng* Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by Study programmes board, Faculty of Science on 2016-08-14 to be valid from 2016-08-14, spring semester 2016.

General Information

The course is a second cycle elective course, and may be included in a degree of Master of Science or Bachelor of Science in Physics.

Language of instruction: Swedish and English

Main field of studies

Physics

Depth of study relative to the degree requirements

A1F, Second cycle, has second-cycle course/s as entry requirements

Learning outcomes

The general aim of the course is that the student should on completion of the course have acquired knowledge and skills necessary for professional work in the field of physics.

Knowledge and understanding

On completion of the course, the students shall be able to:

1. Describe a vocational branch in physics
2. Evaluate different tasks.

Competence and skills

On completion of the course, the students shall be able to:

3. Carry out practical tasks at a workplace
4. Cooperate with other individuals active at the workplace

5. Follow deadlines and report their tasks
6. Report their work in writing and orally.

Judgement and approach

On completion of the course, the students shall be able to:

7. Evaluate and develop their own contribution and participation in the work at a workplace in the field of physics
8. Reflect on their own role at the workplace and the need for personal development to function better at a workplace.

Course content

The course consists of planning, execution and evaluation of an internship of 4 weeks at a workplace including duties associated with the student's training. The student keeps a journal during the placement period and evaluates their work at the end of the course in writing and orally in the form of a seminar.

Course design

A supervisor is appointed at the workplace, while an examiner is appointed among teachers on the Department of Physics. If the workplace is at the department, supervisor and examiner can be the same person. The course is to be planned and completed by the student in consultation with the supervisor and the examiner. A planning document is established and the student is responsible for reporting regularly to the examiner how the placement progresses. The student's journal is summarised and presented as a written report and at an oral seminar.

Assessment

The course is assessed through the journal, the written summary and the seminar presentation being approved by the examiner after having been gone through by the supervisor.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, Pass.

To pass the whole course, it is required that examiner and supervisor approve the journal, the written summary and the seminar presentation.

Entry requirements

Admission to the course requires at least 120 credits in the main field of study physics, of which at least 30 credits at the second-cycle level.

Subcourses in FYSP01, Physics: Applied Work

Applies from V16

1601 Applied Work, 7,5 hp
Grading scale: Fail, Pass