

# Syllabus

for course at advanced level

**Internship in Physics**

**Praktik i fysik**

**7.5 Higher Education**

**Credits**

**7.5 ECTS credits**

<b>Course code:</b>	FK8026
<b>Valid from:</b>	Autumn 2018
<b>Date of approval:</b>	2016-05-14
<b>Department</b>	Department of Physics
<b>Subject</b>	Physics
<b>Specialisation:</b>	A1F - Second cycle, has second-cycle course/s as entry requirements

## Decision

### Prerequisites and special admittance requirements

For admission to the course, knowledge is required equivalent to 45 credits in Mathematics and 90 credits in Physics excluding introductory courses. Of the courses in Physics at least 15 credits have to be at advanced level. Also required is knowledge equivalent to Swedish upper secondary course English B.

### Course structure

Examination code	Name	Higher Education Credits
HELA	Internship in Physics	7.5

### Course content

This course constitutes supervised participation in a practical activity with connections to physics at a company, government authority or other work place.

### Learning outcomes

After completing the course the student is expected to, with respect to a physics related research or development activity at a company or other work place, be able to:

- under supervision be able to carry out work tasks independently
- show some insight into the activity
- show some ability to reflect over the possibilities, opportunities and limits in the activity

### Education

The education consists of an introduction at the university, internship at a work place and a finishing presentation at the university. The internship will be supervised by a person at the work place in question. Before the internship is started a work plan has to be approved by the examiner, and the student has to attend an introductory meeting. At the work place the student should be a part of the activities as any other employee. The introduction and finishing presentation at the university are mandatory. In the event of special circumstances, the examiner can after consultation with the relevant teacher decide that a student is not obliged to participate in certain compulsory parts of the course.

The course may be taught in English.

### Forms of examination

- a. The course is examined based on the following: a written logbook, a certificate from the supervisor and an oral presentation. If the instruction is in English, the examination may also be conducted in English.
- b. The final grade is set according to a two-point grading scale: fail (U) or pass(G).
- c. The grading criteria of the course will be handed out at the start of the course.
- d. In order to pass the course, students must pass oral and written presentations and participate in all compulsory instruction.
- e. Students who receive a failing grade on a regular examination are allowed to retake the examination as long as the course is still provided. The number of examination opportunities is not limited. Other mandatory course elements are equated with examinations. A student who has received a passing grade on an examination may not retake the examination to attain a higher grade. A student who has failed the same examination twice is entitled to have another examiner appointed, unless there are special reasons to the contrary. Such requests should be made to the department board.

The course includes at least two examination opportunities per academic year the course is offered. For the academic years that the course is not offered, at least one examination opportunity is offered.

### **Interim**

Students may request that the examination be conducted in accordance with this course plan even after it has ceased to be valid. However, this may not take place more than three times over a two-year period after the course was discontinued. Requests must be made to the departmental board. The provision also applies in the case of revisions of the course syllabus and revisions of the required reading.

### **Limitations**

The course may not be a part of a degree together with any of the following courses: Internship in Physics 7.5 credits (FK7014), Internship in Physics 15 credits (FK8039) or equivalent. No more than 15 hp of internship may be included in a degree.

### **Misc**

The course may be a component of the master programmes in physics or taken as an individual course. The Department of Physics provides a limited number of internship placements. The student may self organize an internship.

### **Required reading**

The literature is based on scientific publications and reports in the relevant field decided by the student through literature searches and handed out by the supervisor.