

Syllabus

for course at first level

Physics, Degree Project

Fysik, självständigt arbete

15.0 Higher Education

Credits

15.0 ECTS credits

Course code:	FK6001
Valid from:	Autumn 2008
Date of approval:	2007-08-28
Department	Department of Physics
Subject	Physics

Decision

Prerequisites and special admittance requirements

Totally 135 credits of which at least 60 credits in physics. The course Quantum mechanics I (FK5011) is required.

Course structure

Examination code	Name	Higher Education Credits
1200	Physics Degree project	12
1300	Physics Degree Project	3

Course content

The course includes the following elements: In the course a scientific literature study and/or a research project is carried out and reported. A compulsory seminar series on the concept "scientific" is also included in the course.

Learning outcomes

It is expected that the student after taking the course will be able to:

- Search and assimilate scientific literature in Physics
- Critically review scientific literature
- Plan and carry out a scientific project
- Orally and in written report the result of a scientific project
- Show insight into the concept of "scientific".

Education

The education consists of personal supervision. The supervisor and the subject of the project are chosen together with a degree project examination committee at Fysiikum. The seminar series on "scientific" is compulsory.

Participation in the practical laboratory work and group education associated with this is compulsory. An examiner may rule that a student is not obliged to participate in certain compulsory education if there are special grounds for this after consultation with the relevant teacher.

Forms of examination

a. Examination for the course is in the following manner: measurement of knowledge takes place through:
The project is reported in written and orally at a seminar.

b. Grading is carried out according to a 7-point scale related to learning objectives:

A = Excellent

B = Very Good

C = Good

D = Satisfactory

E = Sufficient

Fx = Fail

F = Fail

c. Grading criteria for the course will be distributed at the start of the course.

d. A minimum grade of E is required to pass the course, together with:

• approved attendance at a seminar series on the concept of "scientific"

e. Students who fail to achieve a pass grade in an ordinary examination have the right to take at least further four examinations, as long as the course is given. The term "examination" here is used to denote also other compulsory elements of the course. Students who have achieved a pass grade on an examination may not retake this examination in order to attempt to achieve a higher grade. Students who have failed to reach a pass grade on two occasions have the right to request that a different examination committee be appointed to set the grade of the course. A request for such appointment must be sent to the departmental board.

Interim

Students may request that the examination is carried out in accordance with this syllabus even after it has ceased to apply. This right is limited, however, to a maximum of three occasions during a two-year-period after the end of giving the course. A request for such examination must be sent to the departmental board.

Limitations

The course may not be included in a degree together with the courses "Degree Project in Physics I" (FY4400), "Degree Project in Physics II" (FY4410), "Degree Project in Physics III" (FY4420), or the equivalents.

The course may not be included in a masters degree.

Misc

The course is a component of the Bachelor of Science programmes in Physics, and it can also be taken as an individual course.

Required reading

The literature is constituted by scientific publications and reports within the relevant field, found by the student through literature search, and literature distributed by the supervisor.