Department of Physics

Stockholm University

Syllabus

for course at advanced level

Physics, Degree Project
Fysik, examensarbete

60.0 Higher Education Credits
60.0 ECTS credits

Course code:	FK9003
Valid from:	Autumn 2011
Date of approval:	2007-08-28
Changed:	2011-11-21
Department	Department of Physics
Main field:	Physics
Specialisation:	AXX - Second cycle, in-depth level of the course cannot be classified

Decision

Prerequisites and special admittance requirements

Degree of Bachelor with major in Physics and 45 credits advanced courses in Physics. Also required is knowledge equivalent to Swedish upper secondary course English B.

Course structure

Examination code	Name	Higher Education Credits
1100	Physics, Degree project	60

Course content

The course includes the following elements: In the course an advanced degree project in the physics area is carried out and reported.

Learning outcomes

It is expected that the student after taking the course will be able to:
- Search for and assimilate available literature within a physics research area.
- Critically review scientific physics literature.
- Independently carry out a research project in Physics.
- Orally and in written report the result of a research project in Physics.

Education

The education consists of personal supervision. The supervisor and the subject of the research project are chosen together with a degree project examination committee at Fysiikum. The supervisor can be from Fysikum or external.

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. A written scientific report is reviewed by an examination committee after which an oral presentation is

given by the student at a seminar. The project is graded after the seminar has been given.

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,

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.

Misc

The course is a component of the masters 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.