



Course syllabus

Faculty Board of Science and Engineering
School of Computer Science, Physics and Mathematics

4FY84E Examensarbete i fysik eller teoretisk fysik, 30
högskolepoäng

Degree Project in Physics, 30 credits

Main field of study

Physics

Subject Group

Physics

Level of classification

Second Level

Progression

A2E

Date of Ratification

Approved by the Board of the School of Computer Science, Physics and Mathematics
2009-08-11

Revised 2010-11-26. Revision made for prerequisites, examination and course
evaluation.

The course syllabus is valid from autumn semester 2011

Prerequisites

A bachelor's degree with physics as a major or equivalent.

Expected learning outcomes

The main purpose of this course is to develop the student's ability of applying his
knowledge and skills to research or development tasks in physics. After the course, the
student shall

- be familiar with theory and methods of science
- be able to summarize and apply his knowledge of the subject
- be able to perform searches of literature in databases and library holdings, and to
critically evaluate the in-formation
- be able to analyze measurements or results of calculations
- be able to give an account of his conclusions and argue for them in debate with
others, orally and in writing.

Content

The course includes:

- an introduction in the subject area

- literature searches
- an introduction in the chosen theoretical or experimental methods
- supervision in research and writing
- presentation of research results

Type of Instruction

Supervision and tutoring.

Examination

The course is assessed with the grades Fail (U) or Pass (G).

Assessment is based on the student's written report, his/her oral presentation and his/her defense.

Course Evaluation

A course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The result of the course evaluation will be filed at the department.

Required Reading and Additional Study Material

Required reading

Literature depends on the choice of project