



Course syllabus

Faculty Board of Science and Engineering

School of Computer Science, Physics and Mathematics

2FY82E Examensarbete på kandidatnivå i teknisk fysik, 30 högskolepoäng

2FY82E Degree project at bachelor level in physics, 30 credits

Main field of study

Physics Engineering

Subject Group

Engineering Physics

Level of classification

First Level

Progression

G2E

Date of Ratification

Approved by Organisational Committee 2009-08-11

The course syllabus is valid from spring semester 2010

Prerequisites

To be accepted for the course the student must have successfully completed 75 hp in previous physics courses, 15 of which shall be at bachelor level.

Objectives

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 acquainted with theory, methods of science and analysis methods
- be able to summarize and apply his knowledge of the subject
- be able to seek information in library collections
- be able to analyse measurements or results of calculations
- be able to give an account of his conclusions, orally and in writing.

Content

The course includes:

- an introduction in the subject area and planning of the project
- 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 seminars.

Examination

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

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

A translation of the grade to the ECTS scale may be obtained upon request. Such a request must reach the examiner before the grades are awarded.

Course Evaluation

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

Other

Upon request, a Swedish University course certificate will be issued upon successful completion of the course.

Students who receive a passing grade in the course may download a course certificate through the Student Portal.

Otherwise they may request a course certificate from the secretary of the School of Mathematics and Systems Engineering.

Required Reading and Additional Study Material

Required reading

Literature depends on the choice of project