Linnæus University

Jnr: 2014/3277–3.1.2

Course syllabus

Faculty of Technology
Department of Physics and Electrical Engineering

4FY54E 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 Faculty of Technology 2014-10-03
The course syllabus is valid from autumn semester 2015

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

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 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 A, B, C, D, E, Fx or F.
The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in a pass. The grade F means that the student's performance is assessed as fail (i.e. received the grade F).

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.

Credit Overlap
4FY84E Degree Project in Physics, 30 credits

Other
Grade criteria for the A–F scale are communicated to the student through a special document. The student is to be informed about the grade criteria for the course by the start of the course at the latest.

Required Reading and Additional Study Material
Required reading
Literature depends on the choice of project