Faculty of Science

FYSU60, Physics: Master´s Degree Project III, 60 credits

Fysik: Examensarbete - masterexamen III, 60 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by Study programmes board, Faculty of Science on 2019-10-31 to be valid from 2019-10-31, autumn semester 2019.

General Information

The course is offered as a commissioned education.

The course is an elective course at second cycle level.

Language of instruction: English and Swedish
If needed, the course is given in English.

Main field of studies	*Depth of study relative to the degree requirements*
Physics	A2E, Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)

Learning outcomes

The aim of the course is that students should have acquired the following knowledge and skills upon completion of the course:

- to independently process an advanced problem or problem area within or with close connection to the field of physics.
- to apply and use the knowledge and skills that the student has acquired under previous studies.
- to present and account for results according to the norms that apply to scientific work.
- to present advanced results in writing and orally.
- to defend ones results with good scientific argumentation.
- to, in consultation with others, be able to design and work according to a time plan.

Course content

The student obtains in consultation with supervisor and examiner, a practical and/or theoretical assignment to work with. The task can be gotten from the scientific or technical fields that the department works with or from practical problems at companies and departments within or outside of the university.

Course design

Assessment

The degree project requires specialised studies and literature reviews. It is also required to work through a number of regular course components. The work should correspond to one semester of full-time studies at second cycle level. During the work, supervision should be offered. Implemented studies and achieved results and conclusions should be presented written. If the thesis is not written in English, an abstract in English should be written. A popular description on the work should be written (brief). The work is presented in writing, as a thesis, and is defended orally during a seminar. At the seminar, an examination committee should be present that consists of at least one teacher or external specialist and the examiner. The supervisor should assist but not be included in the examining committee.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, Pass, Pass with distinction.
To pass the entire course, passed written and oral presentations and defense are required. The grade is determined by the examiner in consultation with the examination committee and supervisor.

Entry requirements

For admission to the course English B, and knowledge corresponding to FYSM30 Physics 4, Introduction to advanced studies in physics, 30 ECTS credits, or the equivalent, is required.

Subcourses in FYSU60, Physics: Master´s Degree Project III

Applies from H19

1901 Half-time meeting, 30,0 hp
Grading scale: Fail, Pass
1902 Final presentation for Masters diploma, 30,0 hp
Grading scale: Fail, Pass, Pass with distinction