



Faculty of Science

MAXM17, Project in Synchrotron Radiation Based Science, 7.5 credits

Projekt i synkrotronljusbaserad vetenskap, 7,5 högskolepoäng
Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by Study programmes board, Faculty of Science on 2008-11-14 and was last revised on 2008-11-14. The revised syllabus applies from 2008-11-14, spring semester 2009.

General Information

The course is included in the Master of Science programme in Synchrotron Radiation Based Science at the Faculty of Science.

Language of instruction: English

Main field of studies

Synchrotron Radiation Based Science

Depth of study relative to the degree requirements

A1F, Second cycle, has second-cycle course/s as entry requirements

Learning outcomes

The objective is that the students, on completion of the course, shall have acquired the following knowledge and skills.

- Ability to independently process a problem area
- Ability to apply acquired knowledge to a specific task
- Ability to obtain the necessary background information in print and online sources
- Ability to present achieved results in writing

Course content

The course consists of one unified component. It comprises 7.5 credits and can be studied part time (50 per cent). In consultation with their supervisor, the students will be assigned a practical and/or theoretical task. The task will belong to one of the

research areas represented at the MAX IV Laboratory

Course design

The teaching consists of a supervised project, which is to be presented in the form of a written report, normally in English.

Assessment

Students who fail an assessment will be offered another opportunity for assessment soon thereafter.

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.

For a grade of Pass on the whole course, the student must have passed the project report and participated in all compulsory components.

Entry requirements

To be admitted to the course, students must meet the general entry requirements for admission to Swedish higher education and have English B from Swedish upper secondary school, and have 90 credits in science, including the courses MAXM06 Introduction to Synchrotron Radiation Science, 7.5 credits, and MAXM07 Introduction to Accelerators and Free Electron Lasers, 7.5 credits.

Further information

The course may not be included in a degree together with MAXM12 Project in Synchrotron Radiation Based Science, 10 credits.

Subcourses in MAXM17, Project in Synchrotron Radiation Based Science

Applies from H09

0801 Project in Synchrotron Radiation Based Science, 7,5 hp
Grading scale: Fail, Pass, Pass with distinction