



EF1112 Project in Space Technology 9.0 credits

Projekt i rymdteknik

Course syllabus for EF1112 valid from Autumn 10

This is a translation of the Swedish, legally binding, course syllabus.

Grading scale: P, F

Education cycle: First cycle

Main field of study: Technology

Intended learning outcomes

After completing the course you should have some practical experience of performing one or several typical tasks in the field of space technology, including data analysis and development or evaluation of measurement techniques and instrumentation, designing part of a space vehicle or investigating the effects of space environment on various systems in space. You should be able to formulate a realistic goal for a time-restricted task, plan it, follow up the execution with the help of the formulated plan, and to be able to document your work in an effective way.

Course main content

The project tasks may include

- design of a component of a satellite instrument or space vehicle system
- investigation of space environment effects on space technology
- literature search and summary of a particular field
- programming of data processing and presentation tools.

Disposition

The work will take place during 6-8 weeks . One or more tutors will be available during much of the project time, but it is essential that you are willing to work independently.

Language of instruction

Language of instruction is specified in the course offering information in the course and programme directory.

Eligibility

For single course students: general admission requirements including documented proficiency in English A.

Literature

No fixed literature. Relevant material will be distributed by tutors on a case-to-case basis.

Examination

Requirements for final grade

Written time plan and final report, and at least one written progress report