

SYLLABUS

Space Engineering Project 1 7.5 credits P7005R

Rymdteknikprojekt 1

Course syllabus admitted: Autumn 2024 Sp 1 - Present

**DECISION DATE
2024-02-15**

Space Engineering Project 1 7.5 credits P7005R

Rymdteknikprojekt 1

Second cycle, P7005R

Education level
Second cycle

Grade scale
U G#

Subject
Rymdteknik

Subject group (SCB)
Space Technology

Entry requirements

Completed courses of at least 120 credits and a project plan approved by the examiner.
Good knowledge in English equivalent to English 6.

Selection

The selection is based on 30-285 credits

Course Aim

The student shall acquire experience in project work in atmospheric or space physics or related fields. After the course, the student shall be able to:

- Show the ability to apply knowledge acquired in previous courses to project work.
- Show understanding of project organization and project management. This shall be shown by applying relevant tools such as time planning, resource utilization, project meetings, finances, reports and documentation of various kinds.
- Understand the risks and issues that can occur in a project due to internal and external factors.

The student shall demonstrate an understanding of different roles, gender equality and gender issues within project implementation and show insight into and ability to work in a group with heterogeneous composition.

Contents

Introduction to project work and evaluation of proposed projects; planning of the project; preparation of documents describing the planned project; oral and written presentation of the project plan for client of the project; organization of review process; preparation of documents for project review; oral and written presentation of the progress for the client; definition and execution of necessary testing; realization of the project; analysis and presentation of results and report.

During the course of the project, gender equality issues shall be considered.

Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

Students will work in teams. Large teams are to be divided into sub-teams with their own student leads. The minimum number of students in a project is three (3). At least one student acts as project manager and is responsible for implementing the project. The project team will plan and conduct the project, including necessary tests and analysis. Internal project meetings shall be conducted regularly, including additional meetings with supervisors and external partners, when applicable.

Students shall seek cooperation with reference groups in research and industry, where applicable.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided.

The examination is based on active participation in the project meetings, project work, and the review processes.

The course contains reports and at least one review process.

The final grade is based on the performance in all parts of the project.

Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term "unauthorized aids" refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

Remarks

The course can be part one of two courses together with "Project course: Space Engineering Project 2" (P7006R)

Overlap

The course P7005R is equal to P7009R, P7001R

Course offered by

Department of Computer Science, Electrical and Space Engineering

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0006	Progress and review meetings	U G#	3	Mandatory	A24	
0007	Project work and reports	U G#	4.5	Mandatory	A24	

Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

Last revised

by Robert Brännström 2024-02-15

Syllabus established

by Huvudansvarig utbildningsledare SRT, Jonny Johansson 2011-02-07