SYLLABUS

# Space Engineering Project 1 7.5 credits P7009R

## Rymdteknikprojekt 1

**Course syllabus admitted: Autumn 2016 Sp 1 - Spring 2024 Sp 4**

DECISION DATE
**2016-06-15**

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LULEÅ TEKNISKA UNIVERSITET

# Space Engineering Project 1 7.5 credits P7009R

## Rymdteknikprojekt 1

## Second cycle, P7009R

| Education level | Grade scale | Subject | Subject group (SCB) |
| --- | --- | --- | --- |
| Second cycle | G U 3 4 5 | Rymdteknik | Space Technology |

# Entry requirements

Minimum two to three years of education in natural and engineering sciences at university level. Prerequisites must be discussed with the examiner prior to course registration.

# Selection

The selection is based on 30-285 credits

# Examiner

Thomas Kuhn

# Course Aim

To give students the experience of participating in a balloon/rocket project. To make it possible for students to work in their preferred area of space engineering or space science at an early stage in the education.

# Contents

Project performed in a smaller group of students. Project management, planning and definition; contacts with industrial and academic organisations; applications for funding; literature studies; acquisition of equipment; logistics. The target is a project chosen to suit the interest of the students. Examples projects: The stratospheric balloon project EXUS/BEXUS or the satellite receiving system at campus Kiruna. A project may be an experimental work combined with investigation of an engineering task. During the course a preliminarye study is made, you go through the stages of a PDR, a CDR. The duration of the project is typically 1 quarter and is performed at our campus. Typically it is part of a groups P7001R project.

# Realization

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

# 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.
• Review meetings • Quality of the project work and documentation • Meeting deadlines and timetable • Quality of the product that meets the requirements • The quality of the final report with a technically sound analysis of any problems or failures.

# Remarks

This couse corresponds to the first part of P7001R.

# Overlap

The course P7009R is equal to P7005R

# Literature. Valid from Autumn 2012 Sp 1

Individually chosen with examiner

# Course offered by

Department of Computer Science, Electrical and Space Engineering

# Items/credits

| Number | Type | Credits | Grade |
| --- | --- | --- | --- |
| 0001 | Preliminary design review | 3 | U G# |
| 0002 | Critical design review and final report | 4.5 | G U 3 4 5 |

# 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 Jonny Johansson, HUL SRT 2016-06-15

# Syllabus established

by Jonny Johansson, HUL SRT 2012-04-04