

SYLLABUS

Technical Project 2 7.5 credits M0035T

Teknikprojekt 2

Course syllabus admitted: Autumn 2023 Sp 1 - Present

**DECISION DATE
2020-02-14**

Technical Project 2 7.5 credits M0035T

Teknikprojekt 2

First cycle, M0035T

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G VG	Farkostteknik	Vehicle Engineering

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language and Knowledge in Mathematics, corresponding to M0050M (Basic Mathematic and Derivatives), M0051M (Integrals, Vectors and Matrices), M0052M (Differential Equations and Transform Theory). Knowledge in Physics, corresponding to F0060T (Mechanics and Experimental Methods). Basic course in programming and in Electrical Engineering.

Selection

The selection is based on 1-165 credits.

Course Aim

1 Knowledge and understanding

- Use available engineering methods and tools and to address measurement problems
- Demonstrate an understanding of how measurement results are described and presented in the best way.

2 Skill and ability

- Practically realize your own technical ideas
- Manage measurement technology problems from a practical perspective
- Present technical work orally and in writing

3 Valuation and attitude

- Show ability to identify their need for additional knowledge and to continuously develop their competence in measurement technology linked to vehicle technology.
- Show insight into the needs of different vehicle technology solutions for testing

Contents

- Vehicle Testing
- Tire Testing
- Data gathering
- Analysis of data
- Presentation of data

Realization

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

The course contains a number of preparatory lessons and laboratory work, as well as project work. Where possible, projects are created based on industrial needs. The work takes place in project form with continuous meetings with supervisors. During the project work, tests will be carried out on the test track if possible.

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. For an approved course, attendance is required at laboratory sessions and test opportunity, as well as an approved laboratory report, project report and oral presentation.

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.

Overlap

The course M0035T is equal to M0018T

Course offered by

Department of Engineering Sciences and Mathematics

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Compulsory assignments	U G VG	6	Mandatory	A20	
0002	Assignment report	U G VG	1.5	Mandatory	A20	

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.

Syllabus established

by HUL Niklas Letho 2020-02-14