

Road Engineering

Vägprojektering

6 credits

Programme course

TNBI85

Valid from: 2022 Spring semester

Determined by	Main field of study	
Board of Studies for Mechanical Engineering and Design	Construction Engineering	
Date determined	Course level	Progressive specialisation
2021-09-01	First cycle	G2X
Revised by	Disciplinary domain	
	Technology	
Revision date	Subject group	
	Building Technology	
Offered first time	Offered for the last time	
Spring semester 2015	Spring semester 2022	
Department	Replaced by	
Institutionen för teknik och naturvetenskap	TNBJ43 delvis	

Course offered for

- Bachelor of Science in Civil Engineering

Prerequisites

Mathematics and Mechanics. Basic knowledge of geodesy.

Intended learning outcomes

The course intends to give a basic knowledge in construction of roads and streets. After completing this course students should:

- Explain traffic studies and data collection.
- Describe impact of road traffic facilities
- Describe road materials
- Describe construction and supervision.
- Design of a traffic facility

Course content

Generation of Traffic. Traffic Measurement. Road Design. Road Construction. Road Management.

Teaching and working methods

Teaching consists of lectures

Examination

LAB1	Laboratory work	2 credits	U, G
TEN1	Written examination	4 credits	U, 3, 4, 5

Grades

Four-grade scale, LiU, U, 3, 4, 5

Other information

About teaching and examination language

The teaching language is presented in the Overview tab for each course. The examination language relates to the teaching language as follows:

- If teaching language is “Swedish”, the course as a whole could be given in Swedish, or partly in English. Examination language is Swedish, but parts of the examination can be in English.
- If teaching language is “English”, the course as a whole is taught in English. Examination language is English.
- If teaching language is “Swedish/English”, the course as a whole will be taught in English if students without prior knowledge of the Swedish language participate. Examination language is Swedish or English depending on teaching language.

Other

The course is conducted in a manner where both men's and women's experience and knowledge are made visible and developed.

The planning and implementation of a course should correspond to the course syllabus. The course evaluation should therefore be conducted with the course syllabus as a starting point.

If special circumstances prevail, the vice-chancellor may in a special decision specify the preconditions for temporary deviations from this course syllabus, and delegate the right to take such decisions.