

## Road Engineering

Vägprojektering

6 credits

Programme course

TNBI85

Valid from: 2022 Spring semester

<b>Determined by</b>	<b>Main field of study</b>	
Board of Studies for Mechanical Engineering and Design	Construction Engineering	
<b>Date determined</b>	<b>Course level</b>	<b>Progressive specialisation</b>
2021-09-01	First cycle	G2X
<b>Revised by</b>	<b>Disciplinary domain</b>	
	Technology	
<b>Revision date</b>	<b>Subject group</b>	
	Building Technology	
<b>Offered first time</b>	<b>Offered for the last time</b>	
Spring semester 2015	Spring semester 2022	
<b>Department</b>	<b>Replaced by</b>	
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.