

Road Engineering

Programme course

6 credits

Vägprojektering

TNBI85

Valid from: 2021 Spring semester

Determined by

Board of Studies for Mechanical
Engineering and Design

Date determined

2020-09-29

Offered for the last time

Spring semester 2022

Replaced by

TNBJ43

Main field of study

Civil Engineering

Course level

First cycle

Advancement level

G2X

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 or in large parts, is taught in Swedish. Please note that although teaching language is Swedish, parts of the course could be given in English. Examination language is Swedish.
- 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).
- If teaching language is English, the course as a whole is taught in English. Examination language is English.

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.

Department

Institutionen för teknik och naturvetenskap

Director of Studies or equivalent

Dag Haugum

Examiner

Madjid Taghizadeh

Course website and other links

Education components

Preliminary scheduled hours: 32 h

Recommended self-study hours: 128 h

Course literature

Compendia

LTH, Kompendium i vägbyggnad

M.Taghizadeh (Red.), Kompendium i vägutformning