

Road Engineering

Programme course

6 credits

Vägprojektering

TNBI85

Valid from: 2020 Spring semester

Determined by

Board of Studies for Mechanical
Engineering and Design

Date determined

2019-09-23

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

Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

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