

SYLLABUS

Traffic Safety 7.5 credits

C7004B

Trafiksäkerhet

Course syllabus admitted: Autumn 2013 Sp 1 - Autumn 2017 Sp 2

DECISION DATE
2013-02-13

Traffic Safety 7.5 credits C7004B

Trafiksäkerhet

Second cycle, C7004B

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	G U 3 4 5	Trafikteknik	Civil and Environmental Engineering

Entry requirements

C7001B Traffic in the city or equivalent course.

Selection

The selection is based on 30-285 credits

Examiner

Charlotta Johansson

Course Aim

The aim of the course is to give basic knowledge of traffic safety and to understand the background theory; to choose and use methods to evaluate traffic safety and to propose safety measurements.

Contents

Traffic crashes and traffic safety. Theory of risk compensation. Basic likelihood models. Methods to evaluate safety effects. Before- and after studies. Traffic safety effects of different safety measures. Models to predict safety. Traffic counting and speed measurements. Traffic behaviors.

Realization

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

Obligatory lectures, seminars, self studies and field work.

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. 80% attendance at the course, passed the written exam, passed the oral and written presentation of field work, laboratory work and literature study.

Overlap

The course C7004B is equal to ABC008

Literature. Valid from Autumn 2007 Sp 1

Swedish: Englund et. al., 1999. ISBN 91-44-00168-1. Studentlitteratur.

English: Safer Roads.

K W Odgen. 1996/1997. ISBN 0-291-39829-4.

Litterature to borrow:

Lugna Gatan!/Calm Streets! Kommentus förlag.

Observational before-after studies in road safety, by Hauer. Pergamon 1997.

Course offered by

Department of Civil, Environmental and Natural Resources Engineering

Items/credits

Number	Type	Credits	Grade
0003	Traffic safety, literature study	1.5	U G#
0004	Traffic safety calculations, laborations	1.5	G U 3 4 5
0006	Field work	1.5	G U 3 4 5
0007	Literature seminar	1.5	U G#
0008	Report on field work	1.5	G U 3 4 5

Last revised

by Eva Gunneriusson 2013-02-13

Syllabus established

The plan is established by the Department of Civil and Environmental Engineering 2007-01-31 and is valid from H07.