

**SYLLABUS**

# **Bridge Construction 7.5 credits K7003B**

**Brobyggnad**

**Course syllabus admitted: Autumn 2011 Sp 1 - Present**

**DECISION DATE  
2011-08-17**

# Bridge Construction 7.5 credits K7003B

## Brobyggnad

### Second cycle, K7003B

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	G U 3 4 5	Väg- och vattenbyggnad	Civil Engineering

## Entry requirements

Basic Courses in Structural Engineering.

## Selection

The selection is based on 30-285 credits

## Examiner

Martin Nilsson

## Course Aim

To learn the principles of building of common bridge types.

## Contents

Production planning, costs, prestressed concrete, life cycle evaluation, assessment of structures, strengthening of structures.

## Realization

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

Groups of students work with projects where one or two bridge types will be studied.

## 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. The project works will be examined.

## Literature. Valid from Autumn 2009 Sp 1

Bro 2002, Vägverket 2002

Eurocodes for Bridges

Material that will be made available on the net

## Course offered by

Department of Civil, Environmental and Natural Resources Engineering

## Items/credits

Number	Type	Credits	Grade
0001	Bridge Project No 1 - Crack Risk Evaluation	3	U G#
0002	Bridge Project No 2 - Cost Evaluation	1.5	U G#
0003	Bridge Project No 3 - Seminar assignment	1.5	U G#
0004	Bridge Project No 4 - Prestressed concrete	1.5	U G#

## Last revised

by Department of Civil, Environmental and Natural resources engineering 2011-08-17

## Syllabus established

Kursplanen är fastställd av Institutionen för samhällsbyggnad 2009-01-20 att gälla från H09.