

SYLLABUS

Steel Structures 7.5 credits

S7004B

Stålkonstruktioner

Course syllabus admitted: Spring 2016 Sp 3 - Present

DECISION DATE
2015-11-04

Steel Structures 7.5 credits S7004B

Stålkonstruktioner

Second cycle, S7004B

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	G U 3 4 5	Stålbyggnad	Building Technology

Entry requirements

Selection

The selection is based on 30-285 credits

Examiner

Ove Lagerqvist

Course Aim

To give a basic understanding in the behaviour and design of Steel Structures.

Contents

Lectures in behaviour of Steel Structures and structural design using Eurocode 3. The course covers areas as; local buckling, lateral torsional buckling, flexural torsional buckling and connections. Three compulsory assignments are included.

Realization

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

Lectures and studies under supervision.

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. Written exam and approved assignments.

Transition terms

1000

Literature. Valid from Autumn 2013 Sp 1

Bernt Johansson, Module 5: Cross-sectional resistance, LTU, SBI, KTH, 2006 (svenska/engelska)

Torsten Höglund, Module 6: Stability of columns and beams, LTU, SBI, KTH, 2006 (svenska/engelska)

Steel Structures S7004B, Lecture notes, LTU

Steel Structures S7004B, Solved examples, LTU

Eurocoder (LTU:s bibliotek)

Course offered by

Department of Civil, Environmental and Natural Resources Engineering

Items/credits

Number	Type	Credits	Grade
0001	Written exam	4.5	G U 3 4 5
0002	Assignment	3	U G#

Last revised

by Eva Gunneriusson 2015-11-04

Syllabus established

by Department of Civil and Environmental Engineering 2007-01-31