Computer Aided Building Design

Programme course

8 credits

Datorstödd byggprojektering

TNBI34

Valid from: 2019 Spring semester

Determined by
Board of Studies for Mechanical Engineering and Design

Date determined
2018-08-31

Offered for the last time
Autumn semester 2021

Replaced by
TNBJ27

Main field of study
Civil Engineering

Course level
First cycle

Advancement level
G2X

Course offered for
- Civil Engineering, B Sc in 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
Structural Mechanics and Strength of Materials, Concrete Structures and Geo Construction andTimber and Steel Structures

Intended learning outcomes
The course intends to give the students basic knowledge about
- planning and perform a project work regarding design the structures of an industrial building
- computer aided design (CAD)

Course content
One project work which content design of typical details from industrial building, like:
- different types of foundation
- different types of structures
- bracing to horizontal forces
- different types of concrete slabs
- design of gantry girders for overhead traveling cranes

Teaching and working methods
In consultation with a teacher a project work is performed.

Examination

PRA1	Project work	8 credits	U, G

Grades are given as ‘Fail’ or ‘Pass’.

Grades

Two grade scale, older version, U, G

Department

Institutionen för teknik och naturvetenskap

Director of Studies or equivalent

Dag Haugum

Examiner

Dag Haugum

Course website and other links

Education components

Preliminary scheduled hours: 94 h
Recommended self-study hours: 119 h

Course literature

Books