

Production Engineering

Programme course

10 credits

Produktionsteknik

TNBI86

Valid from: 2017 Spring semester

Determined by
Board of Studies for Mechanical
Engineering and Design

Date determined
2017-01-25

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

Industrial economics, Cad Technology, Building Technology

Intended learning outcomes

The aim of the course is to prepare the students for future tasks within the building process, as contractors, clients or consultants. The course should give the student a basic knowledge of the different phases of the building process such as tendering, purchasing, estimating, planning and production. The course also gives an orientation about geodetic surveying. The student should be able to:

- describe generally the different phases of the building process as it is usually carried through
- describe different types of contracts regarding organisation and economy and also describe how to apply them to practice
- read and explain the meaning of drawings and descriptions made in accordance to AMA
- create the basis for production management
- apply basic methods for geodetic surveying

Course content

The stages of the building process - Estimating and tendering - Production planning and controll – Geodetical survey

Teaching and working methods

The course comprises lectures, project work and computer work.
The course runs over the entire autumn semester.

Examination

UPG2	Hand in assignment	2 credits	U, G
UPG1	Project and computer assignment	4 credits	U, G
TEN1	Written examination	4 credits	U, 3, 4, 5

Grades

Four-grade scale, LiU, U, 3, 4, 5

Department

Institutionen för teknik och naturvetenskap

Director of Studies or equivalent

Dag Haugum

Examiner

Thomas Johansson

Course website and other links

Education components

Preliminary scheduled hours: 72 h

Recommended self-study hours: 195 h

Course literature

Additional literature

Books

Nordstrand, Uno, *Byggprocessen*

Nordström, Uno/Révai, Ervin, *Byggstyrning*

Söderberg, Jan, *Att upphandla byggprojekt*

Common rules

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva.