House and Town Planning

Programme course

6 credits

Byggnads- och samhällsplanering

TNBI91

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
G1X

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
To use World, Excel, edit pictures and Power Point.

Intended learning outcomes
After completing this course students should be able to cooperate with people working with social planning, detailed planning, building design, landscape planning and interior design. The students should take consideration to historical, social, aesthetic and environmental factors that influents house and town planning, and apply a work procedure where they make a programme, design the area and a building, and make a volume model. The students should be able to use the law of planning and construction, the law of environment, the building regulations and the environment quality goals of the state. The students should get insight about how to design a town area and a small house, how to design the drawings and how to design kitchens. The drawings are made in CAD. The students will be trained to work in groups with a project steering, write illustrated reports, oral presentation, object a report and reflect the project.

Course content

Social planning: The historical development of the society and the town, the structure of the town, the conditions of planning, environmental conditions, legislations, plans for the society, introduction to GIS in planning. House planning: The history of architecture, aesthetic rules, measure buildings, analyse and make program for a house area and a small house, make perspective drawing, make a volume model, design a detail plan, make drawings for building permit, kitchen draw, building regulations and the procedure of building permit.

Drawing technique: Design of the drawings for architects.

Communication: Methods for project work, project steering, write reports, knowledge of language, the technique of presenting, objecting and reflecting.

Teaching and working methods

Lectures, seminars, exercises and project work
The course runs over the entire autumn semester.

Examination

PRA1	Project work	4 credits	U, G
TEN1	Written examination	2 credits	U, 3, 4, 5

Grades

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

Other information

Supplementary courses: The course prepares for several courses in the program.

Department

Institutionen för teknik och naturvetenskap

Director of Studies or equivalent

Dag Haugum

Examiner

Virginia Gonzalo

Course website and other links

http://www2.itn.liu.se/utbildning/kurs/index.html?coursecode=TNBI26

Education components

Preliminary scheduled hours: 93 h
Recommended self-study hours: 67 h

Course literature

Additional literature

Books

Björk, Reppen, (2012) *Så byggdes staden, Svensk Byggtjänst*

Compendia

Merkel, Magnus, Rapportskrivning, en lathund för studenter.

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://styrdokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva.