



COURSE SYLLABUS

Housing Design, 6 credits

Bostadsplanering, 6 högskolepoäng

Course Code: TBUK18	Education Cycle: First-cycle level
Confirmed by: Dean Apr 6, 2018	Disciplinary domain: Technology
Revised by: Director of Education Jan 17, 2022	Subject group: BY1
Valid From: Aug 1, 2022	Specialised in: G1F
Version: 3	Main field of study: Civil Engineering

Intended Learning Outcomes (ILO)

After completing the course, the student shall:

Knowledge and understanding

- display knowledge of housing production as a societal process, from initial concept to design of the built environment
- display knowledge of Swedish and Western history of housing, from an architectural, technical and social perspective
- display knowledge of the Swedish legislation and standards on housing

Skills and abilities

- demonstrate the ability to make a design proposal for a multi-family housing project, including functional, legislative, technical and aesthetic aspects
- demonstrate the ability to make presentational drawings, comparable to a building permit application

Judgement and approach

- demonstrate the ability to identify, analyze and evaluate aspects on housing, supporting a sustainable development

Contents

The course gives the student basic knowledge in housing planning and design, based on technical and qualitative aspects, with respect to legislation and standards, supporting a sustainable development.

This includes:

- The history of housing from a Swedish and Western perspective
- Typologies of multi-family housing
- Qualitative aspects of housing design, focusing on floor plan solutions
- Aspects of sustainability relevant for housing
- Legislation and standards on Swedish housing design

- Project work and presentation
- Graphic presentation techniques, the ability to produce, read and analyze drawings

Type of instruction

Lectures, project work, field trip.

The teaching is conducted in English.

Prerequisites

General entry requirements and completed courses in BIM Project 1, Modelling and Presentation, 6 credits and Building Materials and Building Technology 1, 7,5 credits (or the equivalent).

Examination and grades

The course is graded 5,4,3 or Fail.

The course consists of two mandatory tasks: Project work (individual), and exam.

The final grade of the course is based upon a balanced set of assessments. The final grade will only be issued after satisfactory completion of all assessments.

Registration of examination:

Name of the Test	Value	Grading
Examination	2 credits	5/4/3/U
Project work	4 credits	5/4/3/U

Course literature

Literature

The literature list for the course will be provided 8 weeks before the course starts.

Bra bostadsutformning:

Regler, kvalitet, kostnader och exempel för flerbostadshus

Publisher: Boverket 2003

ISBN-nummer: 91-7147-759-4

SIS Svensk standard (available at the university library)

SS 914221:2006 "Byggnadsutformning - Bostäder – Invändiga mått"

SS 914222:2006 "Byggnadsutformning - Bostäder - Funktionsplanering"

BBR (latest available version) chapter 3, 5 och 6

Bostaden och kunskapen (only Swedish students)

Author: Antologi, Arkus i samarbete med Formas, Boverket m.fl.

Publisher: Arkus

ISBN-nummer: 978-91-973 626-7-2

Bostadsbestämmelser (only Swedish students)

Författare: Hans Örnehall

Förlag: Svensk Byggtjänst

ISBN: Latest available edition.

Architecture of the home (exchange students only)

Selected chapters

Author: Ola Nylander

Year of publication: 2002

Publisher. Wiley-Academy