



## COURSE SYLLABUS

# Housing Design, 6 credits

*Bostadsplanering, 6 högskolepoäng*

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<b>Course Code:</b> TBUK18	<b>Education Cycle:</b> First-cycle level
<b>Confirmed by:</b> Dean Apr 6, 2018	<b>Disciplinary domain:</b> Technology
<b>Valid From:</b> Aug 1, 2018	<b>Subject group:</b> BY1
<b>Version:</b> 1	<b>Specialised in:</b> GIF
	<b>Main field of study:</b> Civil Engineering

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### 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 written 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
Written exam	1 credit	5/4/3/U
Project work	5 credits	5/4/3/U

### Course literature

Literature

The literature is preliminary until one month 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