



## Course syllabus

Faculty of Technology

Department of Building Technology

1BY018 Fysisk planering med stadsbyggnad, 7,5 högskolepoäng  
1BY018 Spatial and urban planning, 7.5 credits

### **Main field of study**

Civil Engineering

### **Subject Group**

Building Technology

### **Level of classification**

First Level

### **Progression**

G1F

### **Date of Ratification**

Approved by Faculty of Technology 2022-08-30

The course syllabus is valid from spring semester 2023

## Objectives

After the course,

students should have basic knowledge of:

- The historical development of spatial planning
- Laws governing the spatial planning in Sweden
- How sustainable development affects laws and spatial planning in the construction sector

students should be able to:

- Describe the demands of society on the construction process, from idea to the house ready to move in to.
- Describe how spatial planning takes place in municipalities
- Describe how detailed plans are drawn up and how to interpret them.
- Describe how urban areas/towns are planned and being build, and create an illustrated plan for an residential area that meets the demands of society on accessibility for all people
- together with other students analyze and plan an illustration for a residential area, that shall be orally presented for the other students in the course.

students should have extended knowledge:

- in drawing techniques and computer assisted drawing
- in presentations techniques and oral presentation of tasks.

## Content

The course includes the following elements:

Planning of residential areas/housing and public spaces:

- design of buildings and the outdoor environment
- accessibility to buildings and public spaces

City buildings:

- The building elements of the city/town
- Urban planning patterns and design
- Residential areas and housing, public buildings and the buildings of business
- Space between buildings, squares and public places
- Nature

Spatial planning:

- Planning and building act
- Comprehensive plans, Detailed development plan and area regulations
- Building permit and development rights
- The different parts of the planning process. The datum of the spatial planning in humans, nature and the the concept of “sustainable development”.
- The local environment in the town district and residential areas for living, work, service and spare time.

Study visits are carried out according to the teacher's instructions.

## Type of Instruction

The course includes lectures, presentations, seminars, project work with tutorials, study visits and drawing exercises.

Compulsory elements of the course are attendance at study visits, tutorials, seminars and oral presentation in front of other participants in the course.

## Examination

The course is assessed with the grades U, 3, 4 or 5.

The course is examined through a written exam of 3,5 hp with the grades U, 3,4 or 5. The project work of 3,0 hp examined through seminars, written and oral presentations and assessed with the grades U,3,4 or 5. The course's study visits and other tasks are examined with the grade U/G through attendance and seminar, a total of 1 credit. The grade for the course in total is obtained by weighing up the various examination elements, where the written exam weighs the most.

Repeat examination is offered in accordance with Local regulations for courses and examination at the first and second-cycle level at Linnaeus University. If the university has decided that a student is entitled to special pedagogical support due to a disability, the examiner has the right to give a customised exam or to have the student conduct the exam in an alternative way.

## Course Evaluation

During the implementation of the course or in close conjunction with the course, a course evaluation is to be carried out. Results and analysis of the course evaluation are to be promptly presented as feedback to the students who have completed the course. Students who participate during the next course instance receive feedback at the start of the course. The course evaluation is to be carried out anonymously.

### **Credit Overlap**

The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course: 1BY014, 6.5 credits

### **Required Reading and Additional Study Material**

#### **Required reading**

Bodin Anders, Hidemark Jacob m fl., Arkitektens Handbok, Studentlitteratur 2017 or later, 681 pages

Boverkets Byggregler chapter 3 and 8, available online at Boverket.se  
Byggnadens utformning Bostäder Funktionsplanering, Svensk standard SS 914222:2006 Entré och balkongdörr avser yttre miljö.

Gustafsson, Annika, Bygglovsboken, Studentlitteratur, 2020, 267 pages.  
PBL Kunskapsbanken – en handbok om plan och bygglagen, available online at Boverket.se

Nylander Ola och Forshed Kjell, Bostadens omätbara värden 2003, HSB, extracts.

Course compendium, with articles, 250 pages.

#### **Additional Study Material**

Mattsson, N., Hagander, C., PBL: En handbok om PBL och samhällsbyggande, Svensk Byggtjänst 2020, 288 pages

Björk, C., Nordling, L., Reppen, L., Så byggdes Staden, Svensk Byggtjänst, 2018, 215 pages