



Faculty of Health, Science and Technology  
Construction Engineering

# Syllabus

## Building and Urban Planning

<b>Course Code:</b>	BYGB19
<b>Course Title:</b>	Building and Urban Planning <i>Byggnads- och samhällsplanering</i>
<b>Credits:</b>	5
<b>Degree Level:</b>	Undergraduate level
<b>Progressive Specialisation:</b>	First cycle, has less than 60 credits in first-cycle course/s as entry requirements (G1F)

**Major Field of Study:**  
BYA (Building Technology)

### Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2019-09-03, and is valid from the Spring semester 2020 at Karlstad University.

### Prerequisites

Registration on the courses Sustainable Development for Engineering (7.5 ECTS credits) and Introduction to Building Engineering (7.5 ECTS credits), or enrollment in the study programme in Building and Construction Engineering (TGHBY), or equivalent

### Learning Outcomes

The aim of the course is that students acquire basic knowledge of building planning and familiarity with urban planning as well as develop the ability to identify and solve problems in building planning. The course is based on the principles of sustainable urban planning.

Upon completion of the course, students should be able to:

- give an account of the historical development of urban planning,
- give an account of basic principles of sustainable urban planning,
- give an account of legislation regulating urban planning,
- give an account of the planning process from a municipal perspective as well as the different types of plans used in the planning process and their validity, and
- give an account of the historical development of housing and buildings.

### **Content**

Instruction is in the form of lectures, exercises, seminars, and hand-in assignments. Attendance is mandatory for some exercises. The course may include field trips and city walking tours.

The course covers the following elements:

Residential planning:

- Aesthetics - good architecture
- Architectural history, the history of residence
- Area and volume requirements and room design for residential and other types of buildings
- Standards and regulations
- Planning and projection

Urban planning:

- History: Societal functions and ideas in retrospect
- Current conditions for planning: the Planning and Building Act (Sw. "Plan- och bygglagen"). Comprehensive plan and detailed development plan, and sustainable urban planning
- Area planning

### **Reading List**

See separate document.

### **Examination**

Assessment is based on a written exam, mandatory group exercises, and hand-in assignments.

If students have a decision from Karlstad University entitling them to special pedagogical support due to a documented disability, the examiner has the right to give such students an adapted examination or to examine them in a different manner.

### **Grades**

One of the grades 5 (Pass with Distinction), 4 (Pass with Some Distinction), 3 (Pass), or U (Fail) is awarded in the examination of the course.

### **Quality Assurance**

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

### **Course Certificate**

A course certificate will be provided upon request.

### **Additional information**

The course BYGB19 cannot be included in the same degree programme as the course BYGA13.

The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the

obligations and rights of students and staff.