



Faculty of Health, Science and Technology
Construction Engineering

Syllabus

Building and Urban Planning

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

Major Field of Study:
BYA (Building Technology)

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2015-02-04, and is valid from the Autumn semester 2015 at Karlstad University.

Prerequisites

Engineering 15 ECTS cr and Energy and Environmental Engineering 15 ECTS cr., or TGHBY enrollment, 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 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 societal development,
- 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,
- 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 design of rooms for residential and other types of buildings
- Standards and regulations
- Planning and projection

Urban planning:

- History: Urban 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.

Grades

One of the grades 5 (Distinction), 4 (Merit), 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

Students who enrolled before 1 July 2007 will complete their studies in accordance with the requirements of the earlier admission.

Upon completion students may request degree and course certificates to be issued under the current ordinance if they meet its requirements.

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

The local regulations for studies at the Bachelor's and Master's levels at Karlstad University stipulate the obligations and rights of students and staff.