# AF1749 Urban and Dwelling Planning 10.0 credits

**Samhälls- och bostadsplanering**

This is a translation of the Swedish, legally binding, course syllabus.

## Establishment

The official course syllabus is valid from spring semester 2027 as decided by the Director of First and Second Cycle Education. Decision date: 2026-10-06.

## Grading scale

P, F

## Education cycle

First cycle

## Main field of study

Architecture, Technology

## Specific prerequisites

Completed course component PROA, 5.0 credits, in the course AF1745 Building Techniques, Detached Housing Project 10.0 credits.

## Intended learning outcomes

Upon completion of the course, the student shall be able to:

- Explain land-use planning from a local authority perspective and describe the content of a master plan and a detailed development plan.
- Identify and compare aspects of Swedish architectural history relating to urban planning and residential architecture.
- Present and apply laws and regulations relevant to housing planning.
- Apply acquired knowledge of sustainable development to the planning of a city block comprising multi-family dwellings.
- Creatively investigate how architectural quality in a dwelling, the building's structure, and building and installation technology influence housing planning, and apply this knowledge in a design project
- Present proposals and analyses orally and in writing, using drawings, photographs and illustrations.

## Course contents

- The history of Swedish residential architecture and urban development over 120 years
- Local authority land-use planning.
- Master plan and detailed development plan.
- Factors to consider when planning a neighbourhood with multi-family dwellings.
- Calculation of green space ratio for a residential block.
- Architectural qualities in housing design.
- Housing design requirements in the Building Regulations (BBR).
- Consideration of the building's structural framework and installations in housing planning.
- Fire safety requirements in housing design.
- Housing design guidelines in Swedish Standards (SIS).
- Sustainability in urban and residential planning, with a focus on land use, green infrastructure, and long-term sustainable living environments.

## Examination

- ÖVN1 - Exercises, 1.0 credits, grading scale: P, F
- ÖVN2 - Exercises, 1.0 credits, grading scale: P, F
- PROA - Project, 2.0 credits, grading scale: P, F
- PROB - Project, 4.0 credits, grading scale: P, F
- TENA - Written exam, 1.0 credits, grading scale: P, F
- TENB - Written exam, 1.0 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

## Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.