AI1524 Land Development 7.5 credits

Markexploatering

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

Establishment

The course syllabus is valid from Spring 2025 according to decision of the Director of First and Second Cycle Education: 2024-1943 3.2.2Decision date: 2024-09-25

Grading scale

A, B, C, D, E, FX, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Knowledge in law 7,5 credits corresponding to the content in course AI1525 Legal Framework of the Built Environment 7,5hp or AI1520 Planning, Building and Environmental Law in Property Development 7,5 credits.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

The general aim of the course is to give the student knowledge and understanding of the complicated process- land development- as it implies to carry out a construction project from idea to completed product. This process includes problems that concern planning of the land use, land acquisition, environmental considerations, building physics, design and responsibility for various types of infrastructure, economics etc. A project involves also many actors with different assignments and driving forces- the municipality, the state, developers, neighbours, the public et al. As an underlying framework, there is also a legal system that governs the process in various ways.

This means that students after completing the course are expected to be able to:

- Describe the actors and activities that are central to the development projects where the emphasis is placed on housing construction.
- Analyze the technical, environmental, economic and organizational consequences of alternative forms of land use and construction.
- Describe the legislation that governs planning, design and implementation of a project.

Course contents

The course consists partly of a seminar section, partly of a project. The seminar section treats different questions associated with a land development from theoretical starting points and gives the opportunity to reflect upon the theoretical points of departure as well as elaborate on the course material. In the project, the knowledge is applied. In addition, a study visit is made to illustrate the implementation of development projects practically.

The seminar sectionwill provide knowledge about what land development is, the actors involved, the activities that are normally included, and how the different regulatory systems can be used. It also describes how the coordination of these actors, activities and regulations vary depending on the development situation.

The project deals with analyzing a development project with regard to technical, environmental and economic preconditions. This analysis should be set against legislation on detailed planning, land acquisition and compensation, responsibility for building, administration and financing of infrastructure in the built-up area.

Examination

- ÖVN1 - Project Work, 3.0 credits, grading scale: P, F
- STU1 - Study Visit, 0.5 credits, grading scale: P, F
- TEN1 - Examination, 4.0 credits, grading scale: A, B, C, D, E, FX, 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.