



# AI1122 Introduction to the Planning and Building Process in Real Estate and Finance 7.5 credits

Samhällsbyggnadsprocessen för fastighet och finans

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

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

## Establishment

Course syllabus for AI1122 valid from Autumn 2008

## Grading scale

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

## Education cycle

First cycle

## Main field of study

Built Environment, Technology

## Language of instruction

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

## Intended learning outcomes

The aim of the course is to give basic knowledge about:

- the different stages in the urban development process
- the factors that affect the process
- the methods and the analytical tools that can be used in different stages
- describe the financial sector, financial system and the role of financial markets in urban planning

## Course contents

1 How projects are initiated, land-use planning.

- planning law, planning methods, the role of political processes and the role of the market, forces driving the development process

2 Physical and environmental aspects, financial aspects

- land, water and sewage systems , energy systems and environmental planning
- the relationship between the public system, the construction industry and the financial system
- the financing of infrastructural projects and parts of the same (such as streets, water supply and sewer systems, municipal or district heating, waste management, electricity and telecommunications) and the financing of housing long term financing and maintenance of real estate

3 Economics and ethics, financial aspects

- economic consequences and economic calculations, ethical aspects in the urban development process and the role of the expert.
- the role of the financial system – infrastructure and way of functioning
- the role of financial markets – structure, functions, norms and history
- the role of real property in the financial system

In each part basic knowledge is presented in Lectures and Exercises. Term papers are written in each part : A specific project is analysed from different perspectives.

## Specific prerequisites

General Admittance Requirements

## Course literature

Preliminary the following literature will be used:

- Kurskompendium för Samhällsbyggnadsprocessen, Kungliga Tekniska Högskolan, 2005. In Swedish.
- Stadens tekniska system, Birgitta Johansson, Formas, Stockholm 2001. In Swedish.
- Så byggdes staden, Cecilia Björk och Leila Reppen, Svensk Byggtjänst, Västervik, 2000. In Swedish.

Literature for Economics and ethics, financial aspects will be announced when the course starts.

## Examination

- TEN1 - Moment, 1.5 credits, grading scale: P, F
- TEN2 - Moment, 1.5 credits, grading scale: P, F
- TEN3 - Moment, 1.5 credits, grading scale: P, F
- TEN4 - Final Examination, - credits, grading scale: A, B, C, D, E, FX, F
- ÖVN1 - Exercises, 3.0 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.

## Other requirements for final grade

One written exam in each part (total 4,5 credits).

Two term papers, approved exercises besides participation in seminars and field-trips (total 3 credits).

## 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.