



# AI2130 Quantitative Methods with Real Estate Application 7.5 credits

## Quantitative Methods with Real Estate Application

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

## Establishment

Course syllabus for AI2130 valid from Autumn 2007

## Grading scale

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

## Education cycle

Second cycle

## Main field of study

## Specific prerequisites

Economics besides Mathematical Statistics.

## Language of instruction

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

## Intended learning outcomes

After the course students must be able to:

- Use quantitative methods for analysing correlations, trends and forecasting as they apply to real estate
- Construct index series
- Understand the structure and regression analytic background of real estate taxes.

## Course contents

- The workings of the real estate and rental market
- Regression analysis with bivariate data
- Regression analysis with time series data

## Course literature

Economics for the Built Environment, Statistics or equivalent

## Examination

- ÖVN1 - Exercises, 3.0 credits, grading scale: P, F
- TEN1 - Examination, 4.5 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.

## Other requirements for final grade

Written examination (TEN1; 4,5 cr)

Assignments (INL1; 3 cr)

## 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.