



AI2153 Financial Economics with Real Estate Applications 7.5 credits

Finansiell ekonomi med fastighetstillämpningar

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 AI2153 valid from Autumn 2018

Grading scale

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

Education cycle

Second cycle

Main field of study

Built Environment

Specific prerequisites

Entry requirements to the Master's (120 credits) programme Real estates and building.

Language of instruction

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

Intended learning outcomes

This course offers the fundamentals of real estate financial management, which is crucial for real estate and financial professionals charged with making debt and equity investment decisions.

Course contents

Upon completion of the course, students will be able to understand and analyze

- The wide range of direct and indirect equity and debt real estate investment alternatives.
- The risk and return characteristics of common real estate investment vehicles
- International real estate investments.
- Optimal multi-asset portfolios with real estate assets in the portfolio.
- Capital structure and financial leverage
- Financial feasibility of real estate and infrastructure development projects.
- Equilibrium asset valuation models applied to real estate investments.
- Data challenges in measuring real estate returns and pros and cons of different real estate indices.
- Commercial real estate leases and leasing strategies.

Disposition

Entry requirements to the Master's (120 credits) programme Real estates and building.

Course literature

Real Estate Finance and Investments

by William B. Brueggeman and Jeffrey D. Fisher, McGraw-Hill Education

Examination

- INL1 - Assignment, 3.0 credits, grading scale: P, F
- TEN1 - Written Exam, 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.

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.