AI1146 Property Management 7.5 credits

Fastighetsförvaltning

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

Establishment

The course syllabus is valid from the Autumn Semester 2025 according to decision of the Director of First and Second Cycle Education: HS-2025-0713, 3.2.2Decision date: 2025-04-02

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Knowledge in economics 7,5hp corresponding to the content in course AI1128 Economics of the Built Environment 7,5hp and knowledge in mathematics corresponding to completed part PRO1 (Project 2,5 credits in course AI1108 Investment Analysis 7,5hp.

Language of instruction

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

Intended learning outcomes

The overall aim of the course is to provide knowledge of the methods and analyses required for the sustainable management of residential and various types of commercial properties. After completing the course, students should be able to describe, apply, and discuss different methods of property management at the asset and/or portfolio level, and analyse their economic and sustainability-related implications.

After successfully completing the course, the student shall be able to:

Knowledge and Understanding

- Describe, apply, and discuss various methods for property management at the asset and/or portfolio level.
- Describe, apply, and discuss contract theory models as a basis for strategic decisions in property management companies, and discuss how these models can be used to promote collaboration between different actors in the built environment sector.

Skills and Abilities

- Use different types of economic analyses as a basis for investment decisions and reflect on the consequences of these decisions in the context of property management.
- Discuss applications of sustainability principles in property management and their implications for financial control.

Evaluation ability and approach

- Reflect on the effects of digitalisation on management processes and discuss how digital tools and technologies can be used to support innovative solutions within the built environment.

Course contents

This is an applied course in property management. The course is intended to provide tools that are required to manage different types of properties. The theoretical knowledge in financial and technical management is applied in the project assignment where the students make a qualified analysis of an existing property.

More specifically, you be able to:

- Explain the concepts in property management
- Make financial analysis of different types of lease contracts
- Establish management plans
- Use different types of business and social analysis as a basis for investment decisions
- Use contract theoretical models as a basis for strategic decisions at company level

In addition to the above-mentioned knowledge goals, the students will be given access to current research in the field of property management.

Examination

- ÖVN1 - Assignment, 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.

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.