



AI103V Investment Analysis 7,5 hp

Investment Analysis

När kurs inte längre ges har student möjlighet att examineras under ytterligare två läsår.

Fastställande

Kursplan för AI103V gäller från och med HT07

Betygsskala

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

Utbildningsnivå

Grundnivå

Huvudområden

Teknik

Särskild behörighet

Prerequisites/eligibility: Completed upper secondary education including documented proficiency in English and 70 university credits of which 10 credits in Economics.

Undervisningsspråk

Undervisningsspråk anges i kurstillfällesinformationen i kurs- och programkatalogen.

Lärandemål

Course goals;The course should enable students to demonstrate ability to approach investment decision making in a rational and systematic manner by being able to:

- Identify and explain the basic steps in the investment process.
- Derive and understand the origin of the major formulas used in present value calculations.
- Evaluate different investment alternatives.
- Critically assess different investment criteria.
- Show how leverage affects investments.
- Identify major threats to an investment project's success.
- Explain how risk is defined, list different sources of risk, and how to quantify risk.
- Describe how diversification affects the risk of a portfolio.
- Use decision trees to describe real options imbedded in projects.
- Discuss problems of forecasting.
- Develop Excel spreadsheets for investment decision-making.
- Basically understand portfolio theory, the capital asset pricing model (CAPM) and arbitrage pricing theory (APT).The course should also enable students to work as part of a team of people with different backgrounds.

Kursinnehåll

Course contents:

Investment process; Capital budgeting; Present value mathematics; Discounted cash flow models; Investment decision making under uncertainty; Investment performances; Leverage; Risk and return on investments.

Kursupplägg

Course disposition:

Lectures (5-hours per week on average)

Class-room exercises (3-hours per week on average)

Computer based (spreadsheet) group project (2-hours per week on average)

Report presentation

Kurslitteratur

Course literature:Brealey, R & Myers, S: Principles of Corporate Finance. McGraw-Hill (latest edition)Geltner, D & Miller, N: Commercial Real Estate Analysis and Investments

Utrustning

None

Examination

- TEN1 - Tentamen, 3,0 hp, betygsskala: A, B, C, D, E, FX, F
- ÖVN1 - Övning, 4,5 hp, betygsskala: P, F

Examinator beslutar, baserat på rekommendation från KTH:s handläggare av stöd till studenter med funktionsnedsättning, om eventuell anpassad examination för studenter med dokumenterad, varaktig funktionsnedsättning.

Examinator får medge annan examinationsform vid omexamination av enstaka studenter.

Course examination: Take-home assignments Investment analysis report Written exam

Övriga krav för slutbetyg

Take-home assignments Investment analysis report Written exam

Etiskt förhållningssätt

- Vid grupparbete har alla i gruppen ansvar för gruppens arbete.
- Vid examination ska varje student ärligt redovisa hjälp som erhållits och källor som använts.
- Vid muntlig examination ska varje student kunna redogöra för hela uppgiften och hela lösningen.