



COURSE SYLLABUS

Tillämpad investeringsanalys Applied Investment Analysis 7.5 credits (7,5 högskolepoäng)

Course code: IY2623

Main field of study: Industrial Economics and Management

Disciplinary domain: Technology

Education level: Second cycle

Specialization: AIF - Second cycle, has second cycle course/s as entry requirements

Subject area: Industrial Engineering and Management

Language of instruction: English

Applies from: 2019-11-01

Approved: 2019-10-25

1. Decision

This course is established by Dean 2019-10-17. The course syllabus is approved by Head of Department of Industrial Economics 2019-10-25 and applies from 2019-11-01.

2. Entry requirements

Admission to the course requires taken the course Investments, Risk and Uncertainty 7.5 credits.

3. Objective and content

3.1 Objective

This course provides a deeper understanding of the analysis of financial risk management using financial derivatives and real options as well as portfolio choice theory. The course further develops students' understanding of the functioning of capital markets, but emphasis is placed on the relationship between capital markets and firms in the creation of economic value as well as the management of risk and uncertainty. The main purpose of the course is to develop skills in the empirical application of methods and models.

3.2 Content

- Empirical analysis of market efficiency
- Estimation of risk models
- Application of asset pricing models
- Empirical portfolio choice analysis
- Investment efficiency
- Capital structure analysis

4. Learning outcomes

The following learning outcomes are examined in the course:

4.1 Knowledge and understanding

On completion of the course, the student will be able to:

- empirically estimate and interpret the central parameters in linear and non-linear risk models
- understand the relationship between financing, investment and financial returns
- estimate the effect of corporate boards on company performance
- value the financial effect of news
- demonstrate an understanding of the relationship financing /investment and sustainability
- convert theoretical models to empirical analysis

4.2 Competence and skills

On completion of the course, the student will be able to:

- analyse a company's financial operations from a sustainability perspective
- synthesize empirical results relative to the theoretical arguments
- present arguments orally and in writing

4.3 Judgement and approach

On completion of the course, the student will be able to:

- demonstrate an understanding of how empirical research is conducted in financial economics

5. Learning activities

Teaching activities in the course comprise lectures and supervision. During the opposition students present their own work while another student is the opponent. The course is examined on an ongoing basis throughout the various examination components.

6. Assessment and grading

Modes of examinations of the course

Code	Module	Credits	Grade
I910	Written assignment	5 credits	AF
I920	Opposition	2.5 credits	GU

The course will be graded A Excellent, B Very good, C Good, D Satisfactory, E Sufficient, FX Fail, supplementation required, F Fail.

The course-PM for each course revision should include the assessment criteria and make explicit in which modes of examination that the learning outcomes are assessed.

An examiner can, after consulting the Disability Advisor at BTH, decide on a customized examination form for a student with a long-term disability to be provided with an examination equivalent to one given to a student who is not disabled.

7. Course evaluation

The course evaluation should be carried out in line with BTH:s course evaluation template and process.

8. Restrictions regarding degree

The course can form part of a degree but not together with another course the content of which completely or partly corresponds with the contents of this course.

9. Course literature and other materials of instruction

Luenberger, D. G. "Investment Science" (latest edition), Oxford University Press

Baddelay, M. C. Investment: Theories and Analysis. (latest edition). Palgrave

Tsay, R.S. "An introduction to analysis of financial data with R" (latest edition), Wiley

Scientific articles, reports and additional reading material of maximum 500 pages are included.