



COURSE SYLLABUS

Empirisk finansiell analys

Empirical financial analysis

7.5 credits (7,5 högskolepoäng)

Course code: IY2607

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: 2018-10-01

Approved: 2018-10-01

1. Decision

This course is established by Dean 2017-11-29. The course syllabus is approved by Head of Department of Industrial Economics 2018-10-01 and applies from 2018-10-01.

2. Entry requirements

For admission to course requires completed course Corporate Finance, 6 credits.

3. Objective and content

3.1 Objective

The course objective is for students to learn how to conduct financial studies empirically. This course deals with how to go from theoretical problems to how these can be empirically investigated. Major focus of the course is on financial econometrics and time series analysis and the synthesis from empirical analysis. The course also deals with what happens when we let go of the assumption of full rationality of the individual and thus the market and methods for investigating this.

3.2 Content

- Empirical analysis of market efficiency
- Estimation of risk models
- Application of asset pricing
- Empirical portfolio selection

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 key parameters in linear and non-linear risk models
- translate theoretical models into empirical analyzes

4.2 Competence and skills

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

- synthesize empirical results relative to theoretical arguments
- argue academically in speech and writing

4.3 Judgement and approach

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

- Show understanding of the empirical research conducted within financial economy based on high academic standards

5. Learning activities

Teaching activities in the course consist of lectures and supervision. The module opposition also includes a presentation of the own work that someone should oppose.

6. Assessment and grading

Modes of examinations of the course

Code	Module	Credits	Grade
1905	Written assignment	5 credits	AF
1915	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 information for each course revision should include the assessment criteria and make explicit in which modes of examination that the learning outcomes are assessed.

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

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

Scientific articles on a maximum of 500 pages may be included