Introduction to finance

Fahlenbrach Rüdiger

Cursus

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<th>Ing. finance</th>
<th>Sem.</th>
<th>Type</th>
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<td>Mineur en Ingénierie financière</td>
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Sem. | Type
MA1, MA3 | Obl.

Language: English
Credits: 6
Session: Winter
Semester: Fall
Exam: Written
Workload: 180h
Weeks: 14
Hours: 5 weekly
Lecture: 3 weekly
Exercises: 2 weekly
Number of positions: 2

Remarque
For MA1. OPEN TO IF MASTER, IF MINOR AND IF EXCHANGE STUDENTS ONLY

Summary
The course provides a market-oriented framework for analyzing the major types of financial decisions made by firms. It provides an introduction to present value techniques, capital budgeting, asset valuation, the operation and efficiency of financial markets, and other financial decisions of firms.

Content
1. Introduction to finance
2. Arbitrage, discounting, and the term structure of interest rates
3. Introduction to the valuation of bonds and stocks
4. Risk and return
5. Capital Budgeting
6. Capital Structure Decisions
7. Financial derivatives
8. Risk management

Keywords
Corporate Finance, Valuation, Arbitrage Pricing, Risk Management

Learning Prerequisites

Required courses
None

Recommended courses
None

Learning Outcomes
By the end of the course, the student must be able to:
- Explain standard valuations models used in financial markets
- Recall the trade-off between risk and return and develop an ability to make portfolio decisions
- Develop an ability to analyze and evaluate firms and investment projects
- State the determinants of financing decisions for firms and investment projects
• Describe derivatives markets and their benefits and costs

Transversal skills
• Plan and carry out activities in a way which makes optimal use of available time and other resources.
• Assess one’s own level of skill acquisition, and plan their on-going learning goals.
• Access and evaluate appropriate sources of information.

Teaching methods
Lectures, homework, exercises, case studies

Expected student activities
attendance at lectures, handing in homeworks, completing case studies, class participation

Assessment methods
35% Homework
25% Midterm exam
40% Final exam

Homework is open book. Final exam is closed-book.

Supervision
Office hours Yes
Assistants Yes
Forum No

Resources
Virtual desktop infrastructure (VDI)
No

Bibliography

Ressources en bibliothèque
• Corporate Finance / Berk

Notes/Handbook
Lecture notes for each class will be available via moodle.

Prerequisite for
• Advanced derivatives
• Advanced topics in financial econometrics
• Credit risk
• Derivatives
• Behavioral finance
• Financial econometrics
• Fixed income analysis
• Investments
• Real options and financial structuring
• Venture capital