

DOI-TEL-580 Financial and Cost Analysis

SEMESTER:	Fall
CREDITS:	6 ECTS (4 hrs. per week. 1h Theory + 3h problems + cases)
LANGUAGE:	English
DEGREES:	MIT

Course overview

This course introduces the student to the basic concepts of corporate finance, and some advanced elements of cost accounting, developing further those aspects more relevant to industrial engineering. This course goes through the fundamentals of financial management, budgeting and cost analysis, bringing together skills and techniques previously learnt in the degree.

Prerequisites

Previous knowledge of economic theory, financial accounting and cost accounting is required for attending this course.

Course contents

1. Introduction: corporate finance.
2. The time value of money
3. Financial statements and ratios
4. Project cash flow and capital budgeting
5. Valuation of stocks and bonds
6. Risk and return
7. Budgeting, standard costing and short-term financing

Textbook

Ross, S. A., Westernfield, R. W., Jaffe, J. F. and Jordan, B. D. *Core principles and Applications of Corporate Finance*, 3rd Edition. New York: McGrawHill, 2013

Grading

- Final exam accounts for 30% of the overall grade.
- Mid-term exam accounts for 40%.
- Problem solving / Case discussion account for 20% in total.
- Active participation in class accounts for 10% of the overall grade.