



# **SUBJECT DATASHEET**

## **CORPORATE FINANCE I.**

**BMEGT35A012**

# I. SUBJECT DESCRIPTION

## 1. SUBJECT DATA

### Subject name

CORPORATE FINANCE I.

### ID (subject code)

BMEGT35A012

### Type of subject

contact lessons

### Course types and lessons

<i>Type</i>	<i>Lessons</i>
Lecture	1
Practice	1
Laboratory	0

### Type of assessment

mid-term  
grade

### Number of credits

3

### Subject Coordinator

<i>Name</i>	<i>Position</i>	<i>Contact details</i>
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Dr. Hortay Olivér	senior lecturer	hortay.oliver@gtk.bme.hu
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### Educational organisational unit for the subject

Department of Finance

### Subject website

<https://edu.gtk.bme.hu>

### Language of the subject

magyar - HU; angol - ENG

### Curricular role of the subject, recommended number of terms

Programme: **International Management Bachelor's Programme from 2022/23/Term 1**

Subject Role: **Compulsory**

Recommended semester: **3**

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### Direct prerequisites

**Strong** None

**Weak** None

**Parallel** None

**Exclusion** None

### Validity of the Subject Description

Approved by the Faculty Board of Faculty of Economic and Social Sciences, Decree No: 580884/8/2023 registration number. Valid from: 29.11.2023.

## 2. OBJECTIVES AND LEARNING OUTCOMES

### Objectives

The subject is designed to give the students a broad overview of financial goals and assets of corporations (PLCs), to get them acquainted with project evaluation techniques and methods for supporting decision making. The subject deals with the examination of financing opportunities for corporations, investors' considerations, yield and risk relation and asset evaluation processes on financial markets. Teaching focuses on enabling students to adapt their theoretical knowledge in practice and motivating them to do further research in the field.

### Academic results

#### Knowledge

1. financial goals and assets of corporations,
2. evaluation methods for preparing and making corporate investment and financing decisions,
3. processes providing basis for the evaluation of assets on financial markets,
4. pricing of real-and financial assets,
5. evaluation methods for corporate projects,
6. financial contexts of decision-making processes.

#### Skills

1. plan and organize independent learning,
2. comprehend and use the professional literature of the topic,
3. recognize the contexts behind financial decisions,
4. make calculations supporting decisions.

#### Attitude

1. are open to learn and adapt the innovations in finance,
2. collaborate with their instructors and student mates during the learning process,
3. gain knowledge and information,
4. take use of ICT tools.

#### Independence and responsibility

1. are open to accept reliable critical remarks
2. collaborate with other students in performing assignments during the learning process
3. are able to make independent decisions
4. are capable of reasonable consideration in the financial decision-making process
5. can weigh the significance of their responsibilities and foresee the consequences of their decisions

### Teaching methodology

Lectures, verbal and written communication, use of ICT tools and techniques, optional home assignment.

### Materials supporting learning

- 1. Az előadások prezentációinak anyaga, ami a félév során folyamatosan fog feltöltésre kerülni.
- 2. Richard A. Brealey - Stewart C. Myers: Principles of Corporate Finance. 2023. Panem Kft
- 1. Slideshows of the lectures which will be uploaded continuously during the semester.
- 2. Richard A. Brealey - Stewart C. Myers: Modern vállalati pénzügyek. 2019. McGraw-Hill Education

## II. SUBJECT REQUIREMENTS

### TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

#### General Rules

Assessment of the learning outcomes described under 2.2. is based on two written mid-term tests ("summarizing study performance tests")

#### Performance assessment methods

- The complex written assessment of knowledge and skill competencies of the subject is based on two mid-term tests during the semester.

The tests focus on practical adaptation of the knowledge students gained in the learning process, which does not exclude testing theoretical

knowledge. The parts of the learning material for the tests are selected by the lecturer of the subject. Working time for test writing is 30 minutes/test.

#### Percentage of performance assessments, conducted during the study period, within the rating

- Summarizing study performance test 1: 50
- Summarizing study performance test 2: 50
- total: 100

#### Percentage of exam elements within the rating

#### Conditions for obtaining a signature, validity of the signature

According to TVSZ.

#### Issuing grades

Excellent	100
Very good	90–100
Good	80–89
Satisfactory	60–79
Pass	50–59
Fail	0–49

#### Retake and late completion

- As neither of mid-term tests determines pass marks, they cannot be retaken or made up for separately; students can retake for it only in the form of one contracted test paper during make-up period free of charge.

#### Coursework required for the completion of the subject

Participation in contact lessons	0
Preparing home assignment	10
Learning written learning material	52
total	90

#### Approval and validity of subject requirements

Consulted with the Faculty Student Representative Committee, approved by the Vice Dean for Education, valid from: 06.11.2023.

# III. COURSE CURRICULUM

## THEMATIC UNITS AND FURTHER DETAILS

### Topics covered during the term

Subject includes the topics detailed in the course syllabus to ensure learning outcomes listed under 2.2. can be achieved. Timing of the topics may be affected by calendar or other circumstances in each semester.

- 1 The goal of the company, The value of the company, The balance sheet model, Strategic/operational decisions, Types of businesses, Principal-agent problem, The time value of money, Future values and compound interest, Present values, FV of multiple cashflows, The capitalized value of an asset, The NPV rule, Level cash flows/perpetuities, Inflation and the time value of money, inflation and interest rates, Present and future value of annuity-immediate/annuity due, Effective annual interest rates, Internal rate of return (IRR), Issues with IRR, Financial planning, Financial planning models, The balance sheet, Book values and market values, The income statement, The statement of cash flows, Measuring company performance, The role of financial ratios, Working capital management and short-term planning, Sources of short-term financing, bank loans, commercial paper, secured loans, the cost of bank loans, Cash and inventory management, Valuing bonds, Bond characteristics, Bond prices and yields, Yield to maturity versus current yield, Rate of return, Interest rate risk, The yield curve, Default risk, Valuations in corporate bonds, Stocks and the stock market, valuing common stocks, The constant-growth dividend discount model, Estimating expected rates of return, The price-earnings ratio, Risk, return, the opportunity cost of capital, measuring risk, Variance and standard deviation, measuring the variation in stock returns, risk and diversification, Market risk versus unique risk, CAPM, MID-TERM TEST II, Investment criteria, net present value, risk and present value, Valuing long-lived projects, internal rate of return, the rate of return rule, calculating the rate of return for long-lived projects, Investment criteria when projects interact, mutually exclusive projects, investment timing, mutually exclusive projects and the IRR rule, other pitfalls of the IRR rule, Capital rationing, Discounted cash-flow analysis, Discounting incremental cash flow, Indirect effects, sunk costs, opportunity costs, allocated overhead costs, discounting nominal cash flows, calculating cash flow, Capital investment, Investment in working capital, Cash flow from operations, Capital budgeting and project risk, The cost of capital, calculating the weighted-average cost of capital (WACC), Taxes and the weighted average cost of capital, Measuring capital structure, Interpreting the WACC, Summary of the course, Numerical exercises, MID-TERM TEST II, RETAKE-TEST

### Additional lecturers

Az 1.7. pontban megjelölt tantárgyfelelősen (Dr. Hortay Olivér; hortay.oliver@gtk.bme.hu) kívül a Pénzügyek Tanszéken .  
tevékenykedő más oktató is részt vehet a tárgy lebonyolításában.

### Approval and validity of subject requirements