

**MBA – Focusing on Entrepreneurship, Innovation & Technology Management**

## **Syllabus**

### **Corporate Finance**

Mini 5 - 2025

Classroom - 215

7 Lectures: Aug. 08 – September 26, 2025

**Teaching Staff:**

**Instructor:**

Prof. Mahmoud Qadan, Ph.D. & C.P.A.

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**Office Hours:**

Friday 08:00-09:00 (or by appointment)

**Credits:** 2 points

**Lecture hours:** Fridays at 9:00.

#### **Course Goals and Description**

The main objective of this course is to introduce students to the essentials of corporate finance. The topics covered in the course mainly include:

- Valuation: Developing and understanding of the tools used to value real investment projects.
- Financing: understanding basic concepts involved in how firms should raise funds for real investments.
- Interaction between valuation and financing: assessing how financing decisions affect firm value.

#### **Learning Outcomes**

The main goal of this course is introducing students to the world of modern finance related to the financial operations of corporations. Upon the completion of this course, participants students will be able to:

1. Understand concepts of time value of money, basic asset valuation, risk and return paradigm, capital budgeting and financing decisions. These concepts, in turn, help to value bonds and shares and other assets.
2. Employ various capital budgeting techniques to finance investment projects.
3. Determine the risk and return of stocks and bonds.
4. Explain and apply the theory of asset pricing.
5. be receptive to new ideas and innovation.
6. work collaboratively with other students coming from similar and different disciplines.

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### **Course Content/Topics / Schedule**

#### **Lesson #1**

Introduction to corporate finance, Basic principles: Present value, future value, effective interest rates, Loan Types. (RWJ-1, 2, 4)

#### **Lesson #2**

Net Present Value, Internal Return Ratio, mutually exclusive Projects, mutually exclusive Projects with different lives, Alternative investment rules. (RWJ-4, 6)

#### **Lesson #3**

Cash flow analysis: sunk costs and opportunity costs, incidental effects, cash flows versus profits, investments, and depreciation, working capital. (RWJ-7)

#### **Lesson #4**

How to evaluate bonds? (RWJ-5)

#### **Lesson #5**

Valuating stocks, divided discount model, Net present value of growth opportunities. (RWJ-5)

#### **Lesson #6**

Capital structure: Modigliani and Miller with and without corporate taxes, financial distress, the tradeoff theory and optimal capital structure. (RWJ-15, 16)

#### **Lesson #7**

Valuation and Capital Budgeting for the levered firm, WACC, APV, Merger and Acquisitions. (RWJ-10, 17, 30)

### **Assignments and Grading Procedures**

Problem-sets: **20%**.

Final Exam: **80%**.

#### **Exam dates**

Moed A – Friday; Sep. 26, 2025.

Moed B – Friday; Oct. 17, 2025.

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### **Course Requirements & Course Policies**

Problem-sets: **20%**. The problem sets are intended to help you understand the course material and prepare for the exam. There will be 6–7 individual assignments to submit. You are allowed to skip one problem set without penalty, although doing so is not recommended. All assignments will be posted on the course website and must be submitted exclusively through Moodle. Late submissions will not be accepted.

### **Accommodation for Students with special needs**

Information regarding the submission of requests to receive adjustments to diagnoses based on a physical, mental, sensory disability, or autism according to the accessibility regulations in higher education appears in the following link. [Link to adjustments](#)

### **Textbook(s) and/or other materials**

Ross, S. Westfield, R., and Jaffe, J. (2022). Corporate Finance. 13<sup>th</sup> edition, Irwin McGraw-Hill.

### **Academic Integrity**

The Technion expects you to approach your studies with focus, intention, and integrity. Fairness and academic integrity are the cornerstones of all academic disciplines. You are expected to act with integrity in all aspects of your work at the Technion—whether solving a mathematical problem, writing a research paper or article, or taking an exam. Please refer to the link below for the disciplinary regulations. [link](#)