



Shanghai Jiao Tong University

FI410 Corporate Finance

Instructor Information	Fangzhou Liu Home Institution: Shanghai University of Finance and Economics Email: liu.fangzhou@mail.shufe.edu.cn Office Hours: Determined by Instructor		
Term	June 28, 2021 - July 16, 2021	Credits	4 units
Class Hours	Monday through Friday, 160 mins per teaching day		
Discussion Sessions	200 mins each week, conducted by teaching assistant(s)		
Total Contact Hours	66 contact hours (1 contact hour = 45 mins, 3000 mins in total)		
Required Texts (with ISBN)	Jonathan Berk and Peter DeMarzo - Corporate Finance, 4 th edition, Pearson. (ISBN 9781292160160)		
Prerequisite	Jonathan Berk and Peter DeMarzo - Corporate Finance, 4 th edition, Pearson. (ISBN 9781292160160)		
The course might be moved to online delivery due to COVID-19 pandemic. Students will be notified once the decision is made.			

Course Overview

This course presents the foundations of finance with an emphasis on applications vital for corporate managers. We discuss most of the major financial decisions made by corporate managers both within the firm and in their interactions with investors. Essential in most of these decisions is the process of valuation, which will be emphasized throughout the course. Topics include criteria for making investment decisions, valuation of financial assets and liabilities, relationships between risk and return, capital structure choice, payout policy, the effective use and valuation of derivative securities (futures, options, and convertible securities), and risk management.

Learning Outcomes

After successfully completing this course you should be able to:

1. Determine the optimal capital structure for a firm.
2. Estimate a firm's weighted average cost of capital under classical system, and analyze the relationship between capital structure, the cost of capital and value.
3. Perform an internally consistent corporate valuation using the discounted cash flow approach.
4. Evaluate equity financing options.
5. Estimate the impact on a firm's cash flows from implementing a risk management policy using options contracts and estimate the intrinsic value of those contracts.
6. Identify real options which are likely to affect firm value and perform a real options valuation.
7. Analyze whether a proposed corporate transaction is in the best interests of the firm's shareholders.

Grading Policy

Mid-term Exam	25%
Case Study	25%
Final Exam	50%

Grading Scale is as follows

Number grade	Letter grade	GPA
90-100	A	4.0
85-89	A-	3.7
80-84	B+	3.3
75-79	B	3.0
70-74	B-	2.7
67-69	C+	2.3
65-66	C	2.0
62-64	C-	1.7
60-61	D	1.0
≤59	F (Failure)	0



Due to the on-going pandemic, there is a possibility that in-person courses move to online delivery. Students will be notified once the decision is made.

If the in-person courses are to be changed to online courses, we will make a few adjustments:

Lecture: Each lecture will be uploaded on SJTU SCE online learning platform on a daily basis. Students are required to watch them according to the course schedule.

Discussion: There will be 2–6 hours open session on ZOOM every week. The attendance of the discussion is important as it is part of your final score.

Office hours: 2 hour per week

Exam: Written Exam. If in-person courses move to online delivery, the time limit for take-home exam is 130% of the time for the normal on-campus examination. The date and time for the take-home exam for course shall be announced. The question paper will be shared with the students at the exam-time electronically, student shall answer the question well turn on his/her video via ZOOM. The students will have to submit their responses to the questions electronically by the end of exam-time.

Class Schedule

Date	Lecture	Readings
Day 1	Financial Decision Making: Course overview, review of Time Value of Money, and Interest Rates	Chapter 3 & 4 & 5
Day 2	Capital Budgeting and Discounted Cash Flow (DCF) Analysis	Chapter 8
Day 3	Capital Structure I: Optimal capital structure in a perfect capital market and with taxes	Chapter 14 & 15
Day 4	Capital Structure II: Optimal capital structure with taxes; Case Study	Chapter 15
Day 5	Capital Structure III: Optimal capital structure with financial distress costs	Chapter 16
Day 6	Weighted-Average Cost of Capital: Overview of WACC issues, WACC estimation	Chapter 12
Day 7	Mid-term Review	Chapter 3, 4, 5, 8, 12, 14, 15, 16
Day 8	Mid-term Exam	N/A
Day 9	Payout Policy: Modigliani-Miller, taxes, managers' incentives for setting dividends, dividends as signals of firms' prospects	Chapter 17
Day 10	Valuing Bonds & Stocks	Chapter 6 & 9
Day 11	Risk and the Cost of Capital, CAPM	Chapter 10 & 11
Day 12	Financial Options: The basics of option pricing	Chapter 20
Day 13	Financial Options: The basics of option pricing	Chapter 20 and Section 21.2
Day 14	Mergers and Acquisitions Final Exam Review	Chapter 28
Day 15	Final Exam	N/A