



Shanghai Jiao Tong University
FI410 Corporate Finance (Online)

Instructor Information	Jiahong Mi Home Institution: Shanghai Maritime University Email: jhmi@shmtu.edu.cn		
Term	December 17, 2020 - January 8, 2021	Credits	4 units
Course Delivery	The class will be delivered in the format of online. Other than recorded lecture videos, the instructor will arrange 6 hours' real-time interactions with students per week (via discussion forum, zoom meeting, and WeChat). The workload students are expected to complete to properly pass this course is about 16 hours per week.		
Required Texts (with ISBN)	Jonathan Berk and Peter DeMarzo - Corporate Finance, 4th edition, Pearson. (ISBN 9781292160160)		
Prerequisite	Students are expected to have a thorough knowledge of all material covered in an introductory finance course.		

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

Participation	10%
Group project & presentation	40%
Written Exam (Open Book)	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



Class Schedule

Date	Lecture	Readings
Day 1	Capital Budgeting Decisions: Course overview, and review of Time Value of Money	Chapter 3&4
Day 2	Interest Rates	Chapter 5
Day 3	Discounted Cash Flow (DCF) Analysis	Chapter 8
Day 4	Capital Structure I: Optimal capital structure in a perfect capital market	Chapter 14
Day 5	Capital Structure II: Optimal capital structure with taxes	Chapter 15
Day 6	Group Project/Case Study	N/A
Day 7	Capital Structure III: Optimal capital structure with financial distress costs	Chapter 16
Day 8	Weighted-Average Cost of Capital: Overview of WACC issues, WACC estimation	Chapter 12
Day 9	Payout Policy: Modigliani-Miller, taxes, managers' incentives for setting dividends, dividends as signals of firms' prospects	Chapter 17
Day 10	Fixed Income Securities	Chapter 6
Day 11	Valuing Stocks	Chapter 9
Day 12	Risk and the Cost of Capital	Chapter 10
Day 13	CAPM	Chapter 11
Day 14	Financial Options: The basics of option pricing	Chapter 20 & Section 21.2
Day 15	Mergers and Acquisitions Final Exam Review	Chapter 28
Day 16	Group Presentation & Final Review	N/A
Day 17	Group Presentation	N/A
Day 18	Final Exam	N/A