

Shanghai Jiao Tong University

BU430 Portfolio Management (Postgraduate)

Instructor Information	<p>Jackson Jinhong Mi Home Institution: Shanghai Maritime University Email: jhmi@shmtu.edu.cn Office Hours: Determined by Instructor</p>		
Term	June 28, 2020 - July 23, 2020	Credits	4 units
Class Hours	Monday through Friday, 120 mins per teaching day		
Discussion Sessions	2.5 hours 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)	<p>Bodie, Z., Kane, A. and Marcus, A.J. (2018). Investments, 11th Edition, McGraw-Hill Education ISBN: 9780077861674</p>		
Prerequisite	<p>Students are expected to have a thorough knowledge of all material covered in an introductory finance course.</p>		
<p>The course might be moved to online delivery due to COVID-19 pandemic. Students will be notified once the decision is made.</p>			

Course Overview

Portfolio management: The art and science of making decisions about investment mix and policy, matching investments to objectives, asset allocation for individuals and institutions, and balancing risk against performance. (Investopedia) There has been a proliferation of new products and strategies in the asset management space in recent years, e.g., smart beta, alternative beta, fundamental indexing, low volatility, and leveraged and inverse ETFs. This course applies portfolio theory to understand and evaluate these products and strategies in the context of the empirical evidence about return patterns across assets (i.e., the factors such as value/growth, momentum, and carry that drive returns) in multiple markets/asset classes (e.g., US and international equities and bonds, currencies, and commodities). Key questions include: What factors drive asset returns? Is it risk or mispricing? Can this structure of returns be used to construct better portfolios and products? How should the performance of existing products be evaluated given the empirical evidence? The basic theoretical framework is standard portfolio theory, as developed in Foundations of Finance, and its extensions, and the course will rely heavily on Excel modeling using real world data.

Learning Outcomes

After successfully completing this course you should be able to:

1. Analyse and evaluate financial and non-financial information relevant to the task of asset allocation and security selection
2. Assess the value of a financial asset using a variety of accepted methods
3. Explain and evaluate the risks associated with ownership of a financial asset
4. Analyse and implement alternative approaches to portfolio construction
5. Apply theory to the analysis of real world companies and cases, and employ databases and software commonly used in industry
6. Evaluate the performance of a portfolio and portfolio manager

Grading Policy

Mid-semester Exam	25%
Case Study (Company Analysis)	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 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	Introduction: Investment Environment	Chapter 1,2
Day 2	The Asset Management Landscape Mutual fund and ETFs	Chapter 4
Day 3	Equity Valuation (1)	Chapter 18
Day 4	Equity Valuation (2)	Chapter 18
Day 5	Equity Valuation (3) & Case Study	Excel Exercise
Day 6	Practice session on “Equity Valuation”	Tutorial questions and supporting material
Day 7	Macroeconomic and Industrial Analysis	Chapter 17
Day 8	Practice session on “Macroeconomic and Industrial Analysis”	Tutorial questions and supporting material
Day 9	Mid-semester exam review	Lecture notes and supporting material
Day 10	Mid-semester Exam	
Day 11	Bond Valuation (1)	Chapter 14
Day 12	Bond Valuation (2)	Chapter 15
Day 13	Practice session on “Bond Valuation”	Tutorial questions and supporting material
Day 14	Portfolio Theory (1)	Chapters 5, 6
Day 15	Portfolio Theory (2)	Chapters 7, 8
Day 16	Portfolio Theory (3)	Chapters 9, 10
Day 17	Practice session on “Portfolio Theory”	
Day 18	Financial Statement Analysis	Chapters 19
Day 19	Course review	Lecture notes and supporting material
Day 20	Final Exam	