



Shanghai Jiao Tong University

BU430 Portfolio Management (Postgraduate) (Online)

Instructor Information	Maoguo Wu Home Institution: Shanghai University Email: wumaoguo@shu.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)	Bodie, Z., Kane, A. and Marcus, A.J. (2018). Investments, 11th Edition, McGraw-Hill Education ISBN: 9780077861674		
Prerequisite	Students are expected to have a thorough knowledge of all material covered in an introductory finance course.		



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

Participation	10%
Group project & presentation	40%
Written 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



Class Schedule

Date	Lecture	Readings
Day 1	Equity Fundamental Analysis	Chapter 19
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	Group session on “Equity Valuation”	Tutorial questions and supporting material
Day 7	Macroeconomic and Industrial Analysis	Chapter 17
Day 8	Case Study & Group Session	supporting material
Day 9	Mid-semester exam review	Lecture notes and supporting material
Day 10	Mid-semester Exam	N/A
Day 11	Bond Valuation (1)	Chapter 14
Day 12	Bond Valuation (2)	Chapter 15
Day 13	Portfolio Theory (1)	Chapters 5, 6
Day 14	Portfolio Theory (2)	Chapters 7, 8
Day 15	Portfolio Theory (3)	Chapters 9, 10
Day 16	Group Presentation	N/A
Day 17	Group Presentation & Course review	Lecture notes and supporting material
Day 18	Final exam	