

## Security Investments Course Syllabus

<b>Course Chinese Title:</b> 证券投资学	<b>Course Category (Compulsory/ Elective) :</b> Elective
<b>Course English Title:</b> Security Investments	
<b>Total Hours/ Hours Per Week/ Credit(s):</b> 48/3/3	<b>Lab Practice/ Practical Hours:</b> 16
<b>Prerequisites:</b> Economics and basic Probabilities	
<b>Teaching Time:</b> Weeks 1-8 Tuesday 8:30-10:10, and Week 1-16 Thursday 8:30-10:10	<b>Classroom:</b> Room 1208, Guancheng Campus
<b>Class:</b> 2018 Economics and Finance (Financial Management Industry-University International Program)	
<b>College:</b> Economics and Management	
<b>Instructor Name/ Academic Title:</b> Huang Chunyang / Lecturer	
<b>Office Hour:</b> Tuesday 14:30-16:00 at 3207 Guancheng Campus; by appointment	
<b>Course Assessment Method:</b> Open book ( ) Close book ( ) Report (√) Other ( )	
<b>Required Textbook:</b> Zvi Bodie, Alex Kane, and Alan Marcus, <i>Essentials of investment</i> (Tenth edition), 2017 , Tsinghua University Press <b>Supplementary Materials:</b> <a href="http://www.eastmoney.com">www.eastmoney.com</a> , and other materials distributed in the classes	
<b>Course Description:</b> This course introduces the basic tools, theories, methodologies, and techniques in investment analysis. Key contents include (1) financial instruments, (2) financial markets, (3) modern portfolio theory, (4) capital asset pricing and arbitrage pricing theory, (5) bond analysis, (6) equity security analysis, (7) derivative security analysis, (8) portfolio management and performance evaluation.	
<p><b>Course Objectives</b></p> <p>After this course, you should be able to:</p> <ul style="list-style-type: none"> <li>• Understand the key concepts, principles and methods in security investments, such as the key features of various financial instruments, diversification with portfolio, Capital Asset Pricing Model and Arbitrage Pricing Theory (APT), the Efficient Market Hypothesis, yield curve, discount cash flow (DCF) method, binomial option pricing method, etc.</li> <li>• Explain the observed security price movement in the real-world financial markets with knowledge from this course.</li> </ul>	

- Apply the learned knowledge to manage your personal investment.

**Course Plan**

<b>Week</b>	<b>Topic</b>	<b>Instructor</b>	<b>Hours</b>	<b>Expected Learning Outcomes</b>	<b>Instructional Mode</b>	<b>Activities</b>	<b>Assignment</b>	<b>Supporting Course Objectives</b>
1	Introduction: investment background and some related issues	Huang Chunyang	2	Understanding the basic logic and methodologies of security investments	offline	lecture		LO1
2	Asset classes and financial instruments	Huang Chunyang	2	Understanding the basic classes of financial instruments	offline	lecture		LO1
3	Security markets	Huang Chunyang	2	Understanding the operation of financial markets	offline	lecture		LO1
4	Mutual funds and other investment companies	Huang Chunyang	2	Types of mutual funds and their performance  Ethical and Political Learning: discussing the potential adverse-selection problem in mutual fund industry	offline	lecture		LO1, 2, 3
5	Risk and return	Huang Chunyang	2	Measuring risk and return from investment	offline	lecture		LO1, 2, 3
6	Portfolio diversification	Huang Chunyang	2	Principles of portfolio theories	offline	lecture		LO1, 2

7	Capital Asset Pricing Model (CAPM) and Arbitrage Pricing Theory (APT)	Huang Chunyang	2	Understanding the logic behind CAPM and APT	offline	lecture		LO1, 2, 3
8	The efficient market hypothesis	Huang Chunyang	2	The meanings of EMH and its applications Ethical and Political Learning: Discussing the asymmetric information and the information disadvantage of small investors in financial markets	offline	lecture		LO1, 2, 3
9	Bond price and yield	Huang Chunyang	2	Calculating bond price and yield to maturity	offline	lecture		LO1, 2, 3
110	Manage bond portfolio	Huang Chunyang	2	Applying duration analysis	offline	lecture		LO1, 2, 3
11	Macroeconomic and industry analysis	Huang Chunyang	2	The basic framework for macro- analysis	offline	lecture		LO1, 2, 3
12	Equity valuation	Huang Chunyang	2	Absolute and relative valuation models of equity	offline	lecture		LO1, 2, 3
13	Derivatives valuation	Huang Chunyang	2	The basic principles of derivatives valuation Ethical and Political Learning: Discussing the difference between hedging and speculation using	offline	lecture		LO1, 2, 3

				derivative instruments				
14	Portfolio evaluation	Huang Chunyang	2	Evaluation of portfolio performance	offline	lecture		LO1, 2, 3
15	Presentation of team projects	Huang Chunyang	2		offline	lecture		LO1, 2, 3
16	Course review	Huang Chunyang	2		offline	lecture		LO1, 2
Total:			32					

Practice Plan							
Week	Topic	Instructor	Hours	Contents (Key point, Difficulty, Ideological and political learning)	Practice Type	Activities	Supporting Course Objectives
1	Introducing to Stock trading	Huang Chunyang	2	Introducing the basic rule and methods of online stock trading	Verified	lecture	LO2, 3
2	Stock trading strategies	Huang Chunyang	2	Practicing various strategies for online stock trading	Verified	Lecture and practice	LO2, 3
3	Technical analysis I	Huang Chunyang	2	Introducing the basic techniques of technical analysis	Verified	lecture	LO2, 3
4	Technical analysis	Huang	2	Practicing online stock trading based on various	Verified	Lecture	LO2, 3

	II	Chunyang		technical indicators		and practice	
5	Collecting data for macro- analysis	Huang Chunyang	2	Finding sources of data for macro- analysis	Verified	Lecture and practice	LO2, 3
6	Collecting data for industry analysis	Huang Chunyang	2	Finding sources of data for industry analysis	Verified	Lecture and practice	LO2, 3
7	Collecting data for company analysis	Huang Chunyang	2	Finding sources of data for company analysis	Verified	Lecture and practice	LO2, 3
8	Practice plan review	Huang Chunyang	2		Verified	Lecture	
Total			16				

**Assessment and Grading**

<b>Assessment Method</b>	<b>Evaluation Criteria</b>	<b>Percentage (%)</b>	<b>Supporting Course Objectives</b>
Attendance	If you are late or leave early, your grade will be taken one point each time. If you are absent for one class, the taken point will be 2 for each absentee. Give questions is a good way to get points in attendance.	20%	LO 1, 2, 3
Group presentation	You are required to work in groups (with not more than 4 members in a team) to analyze a listed company	20%	LO 1, 2, 3

	based on the knowledge from the course, and make your group presentation.		
Final paper	You are required to analyze a listed company, and hand in a valuation reports on the company. The paper should be prepared individually.	60%	LO 1, 2, 3
<b>Syllabus Submission Date: August 28, 2020</b>			
<b>School Reviewal:</b>			
Approved			
Signature: 洪志远			
Date: 2020.08.29			