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②國玄東華大學

教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	固定收益證券分	析		學年/學期 Academic Year/Semester		102/2	
課程名稱(英文) Course Name in English	Fixed Income Securities Analysis						
科目代碼 Course Code	IIE_55500	系級 Department 碩士 & Year		開課單位 Course-Offering Department	經濟學系		
修別 Type	選修 Elective	學分數/時 Credit(s)/Hou		3.0/3.0			
授課教師 Instructor	/李同龢						
先修課程 Prerequisite							

課程描述 Course Description

This class intends to lay a solid foundation for students in fixed-income securities and its derivatives. I will walk you through this textbook. Understanding bond market becomes a very important knowledge base for modern decision maker, especially after the US financial crisis, which mainly caused by fixed income derivatives.

Class etiquette: Experience indicates that students with regular attendance of class have higher grades than those who did not. Followings are basic class etiquette. Turn off your mobile phone before class. No iPad or laptop computer is allowed to use during lecture, unless with permission from me. No loud chatting allowed in the class. Having food or drink in the class is not encouraged. Any irrational behavior in the class will not be tolerated. Any violation of the class etiquette will be penalized by reduction in your grade.

Three strikes, you're out: If you missed three classes without any official excuses, your semester grade will be D or below D. You need an official document for not attending class. No oral excuses will be accepte

課程目標 Course Objectives

為一債券市場及其工具基礎之課程,介紹及分析債券市場及其工具、如何評價債券及其相關衍生支利率金融商品。

 數理分析能力:通曉經濟學的理論技巧,應用數學與賽局解決經濟議題的能力。Mathematical analysis skills: Mastering in application of mathematical theories and game theory in analyzing economic issues 實證經濟分析能力:通曉經濟學的實證技巧,善用資訊科技進行資訊蒐集、資料統計與計量分析。Empirical analysis skills: Mastering in application of statistics and econometrics in data collection and examination C 微觀經濟之闡釋能力:通曉個體經濟學相關的理論與應用。Microeconomic perspective: Thorough understanding of microeconomic theories and relevant application D 宏觀經濟之闡釋能力:通曉總體經濟學相關的理論與應用。Macroeconomic perspective: Thorough understanding of macroeconomic theories and relevant application E 樂活能力:具備適應現代社會的學養以及就業能力。Employment opportunities: Capabilities of working on important policy and decision challenges in business and governmen F 講通表達能力:思路清晰,有能力與人溝通並撰寫專業研究報告。Communication skills: Having a clear mind and capability in writing a professional academic report 		系專業能力 Basic Learning Outcomes	力相關性 Correlation between Course Objectives and Dept.'s Education Objectives
B 析。Empirical analysis skills: Mastering in application of statistics and econometrics in data collection and examination C 微観經濟之闡釋能力:通晓個體經濟學相關的理論與應用。Microeconomic perspective: Thorough understanding of microeconomic theories and relevant application D 宏觀經濟之闡釋能力:通晓總體經濟學相關的理論與應用。Macroeconomic perspective: Thorough understanding of macroeconomic theories and relevant application E 樂活能力:具備適應現代社會的學養以及就業能力。Employment opportunities: Capabilities of working on important policy and decision challenges in business and governmen F 溝通表達能力:思路清晰,有能力與人溝通並撰寫專業研究報告。Communication skills:	A	analysis skills: Mastering in application of mathematical theories and game theory	0
Thorough understanding of microeconomic theories and relevant application B 宏觀經濟之闡釋能力:通曉總體經濟學相關的理論與應用。Macroeconomic perspective: Thorough understanding of macroeconomic theories and relevant application E 樂活能力:具備適應現代社會的學養以及就業能力。Employment opportunities: Capabilities of working on important policy and decision challenges in business and governmen F 溝通表達能力:思路清晰,有能力與人溝通並撰寫專業研究報告。Communication skills:	В	析。Empirical analysis skills: Mastering in application of statistics and	
Thorough understanding of macroeconomic theories and relevant application E	С		0
of working on important policy and decision challenges in business and governmen 溝通表達能力: 思路清晰,有能力與人溝通並撰寫專業研究報告。Communication skills:	D		
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maring a creat mind and capability in willting a professional deddemic report	F	溝通表達能力:思路清晰,有能力與人溝通並撰寫專業研究報告。Communication skills: Having a clear mind and capability in writing a professional academic report	

圖示說明Illustration :● 高度相關 Highly correlated ○中度相關 Moderately correlated										
授課進度表 Teaching Schedule & Content										
週次Week	內容 Subject/Topics							備註Remarks		
1	Introduction, Ch 1									
2	Bonds issuing and trading, Ch. 2									
3	Term structure of interest rates, Ch.									
4	Interest rate risk, Ch. 4									
5	Advance bond valuation, Ch 5									
6	Interest modeling, Ch. 6									
7	Credit risk, Ch 7									
8	Midterm									
9	Bond portfolio risk, Ch 8									
10	Bond investmen	it strategies,	Ch 9							
11	Innovations in bond markets, Ch 10									
12	Interest rates derivatives, Ch 11									
13	Credit derivatives, Ch 12									
14	FRN and structure notes, Ch 13									
15	Convertible bonds, Ch 14									
16	Final Exam									
17	Makeup class: Securitization, Ch 15, meeting time is pending									
18										
		教	學策	略 Tea	aching S	Strategi	ies		1	
✓ 課堂講授 Lecture ✓ 分組討論Group Discussion 參觀實習 Field Trip 其他Miscellaneous:										
學期成績計算及多元評量方式 Grading & Assessments										
配分項目 配分比例 多元評量方式 Assessmen						nts 證照				
I tems		Percentage	測驗會考	實作觀察	口頭 發表	專題 研究	創作 展演	卷宗 評量	檢定	其他
平時成績(含出缺席) General Performance (Attendance Record)		10%		~						
期中考成績 Midterm Exam		35%	✓							
期末考成績 Final Exam		35%	~							
作業成績 Homework and/or Assignments		20%		~	~					
其他 Miscel										

評量方式補充說明
Grading & Assessments Supplemental instructions
教科書與參考書目(書名、作者、書局、代理商、說明)
Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)
Required Textbook: 債券市場,薛立言,劉亞秋 著,第三版,指南書局
課程教材網址(教師個人網址請列在本校內之網址)
Teaching Aids & Teacher's Website (Personal website can be listed here.)
其他補充說明(Supplemental instructions)