開課班級: 四財金學士學程二A **授課老師: 潘璟靜** **學分數: 3**

課程大綱:

**本課程涵蓋以下內容： 1.衍生性金融產品介紹。 2.衍生性金融資產交易。
3.衍生性金融資產價格之決定。**

outline:

This program covers the following topics: 1.Introduction of derivatives securities. 2.Trading of derivatives securities. 3.Pricing derivatives securities.

教學型態:

課堂教學

成績考核方式:

平時成績:100%
期中考:0%
期末考:0%
其它:缺課一次扣期末成績3分%

本科目教學目標:

參考書目:

Fundamentals of Futures and Options Markets (John Hull) 9th edition

課程進度表：

週次	起訖月日	授課單元(內容)	備註
第1週	9.08~9.15	第1週：Introduction 1.Exchange-traded markets 2.OTC markets 3.Forward contracts 4.Futures contracts 5.Options 6.Types of traders	8日正式上課。8~12日課程加退選，轉學(系)生、復學生及延修生選課，雙主修、輔系申請，12日申辦抵免學分截止日
第2週	9.15~9.22	第2週：Introduction 1.Exchange-traded markets 2.OTC markets 3.Forward contracts 4.Futures contracts 5.Options 6.Types of traders	
第3週	9.22~9.29	第3週：Introduction 1.Exchange-traded markets 2.OTC markets 3.Forward contracts 4.Futures contracts 5.Options 6.Types of traders	28日(日)孔子誕辰紀念日/教師節(放假),29日(一)補假
第4週	9.29~10.06	第4週：Mechanics of futures markets 1.Specification of a futures contract 2.Convergence of futures contract 3.Daily settlement and margins 4.Delivery 5.Types of traders and types of orders 6.Forward vs.futures contracts ; ; ;	29日成績優異提前畢業者提出申請截止日
第5週	10.06~10.13	第5週：Mechanics of futures markets 1.Specification of a futures contract 2.Convergence of futures contract 3.Daily settlement and margins 4.Delivery 5.Types of traders and types of orders 6.Forward vs.futures contracts	6日(一)中秋節(放假)，10日(五)國慶日(放假)
第6週	10.13~10.20	第6週：Mechanics of futures markets 1.Investment assets vs. consumption assets 2.Convergence of futures contract 3.Daily settlement and margins 4.Delivery 5.Types of traders and types of orders 6.Forward vs.futures contracts	14日學生宿舍安全輔導暨複合式防災疏散演練。18日多益測驗

第7週	10.20~10.27	第7週：Hedging strategies using futures 1.Basic principles 2.Arguments for and against hedging 3.Basis risk 4.Cross hedging 5.Stock index futures 6.Rolling the hedge forward	24日(五)補假，25日(六)光復暨古寧頭大捷日(放假)。
第8週	10.27~11.03	第8週：Hedging strategies using futures 1.Basic principles 2.Arguments for and against hedging 3.Basis risk 4.Cross hedging 5.Stock index futures 6.Rolling the hedge forward	30日校課程委員會
第9週	11.03~11.10	第9週：期中考試;	3~9日期中考試
第10週	11.10~11.17	第10週：Hedging strategies using futures 1.Basic principles 2.Arguments for and against hedging 3.Basis risk 4.Cross hedging 5.Stock index futures 6.Rolling the hedge forward	13日教務會議,16日教師期中成績上網登錄截止日
第11週	11.17~11.24	第11週：Interest rates 1.Types of rates 2.Measuring interest rates 3.Zero rates 4.Bond pricing 5.Determining Treasury zero rates 6.Forward rates 7.Forward rate agreements 8.Duration and Convexity 9.Theories of the term structure of interest rates	
第12週	11.24~12.01	第12週：Interest rates 1.Types of rates 2.Measuring interest rates 3.Zero rates 4.Bond pricing 5.Determining Treasury zero rates 6.Forward rates 7.Forward rate agreements 8.Duration and Convexity	24~28體育運動週。24日校園路跑。27日運動大會夜間開幕，28日運動大會活動，29日101週年校慶活動日，照常上班

		9.Theories of the term structure of interest rates	
第13週	12.01~12.08	第13週：Interest rates 1.Types of rates 2.Measuring interest rates 3.Zero rates 4.Bond pricing 5.Determining Treasury zero rates 6.Forward rates 7.Forward rate agreements 8.Duration and Convexity 9.Theories of the term structure of interest rates	
第14週	12.08~12.15	第14週：Determination of forward and futures prices 1.Investment assets vs. consumption assets 2.Short selling 3.Forward price for an investment asset 4.Known income and yield 5.Valuing forward contracts 6.Are forward prices and futures prices equal? 7.Futures prices of stock indices 8.Forward and Futures Contract on Currencies	12日申請停修課程截止日
第15週	12.15~12.22	第15週：Determination of forward and futures prices 1. Investment assets vs. consumption assets 2. Short selling 3. Forward price for an investment asset 4. Known income and yield 5. Valuing forward contracts 6.Are forward prices and futures prices equal? 7.Futures prices of stock indices 8.Forward and Futures Contract on Currencies	
第16週	12.22~12.29	第16週：Determination of forward and futures prices 1. Investment assets vs. consumption assets 2. Short selling 3. Forward price for an investment asset 4. Known income and yield 5. Valuing forward contracts 6. Are forward prices and futures prices equal? 7. Futures prices of stock indices 8. Forward and Futures Contract on Currencies	22日校務會議。25日行憲紀念日(放假)
第17週	12.29~1.05	Determination of forward and futures prices 1. Investment assets vs. consumption assets 2. Short selling	1日(四)開國紀念日(放假)

		3. Forward price for an investment asset 4. Known income and yield 5. Valuing forward contracts 6. Are forward prices and futures prices equal? 7. Futures prices of stock indices 8. Forward and Futures Contract on Currencies	
第18週	**1.05~1.12**	**第18週：期末考試 ;**	**5~11日期末考試，10~11日學生退宿**