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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	衍生性金融商品				學年/學期 Academic Year/Semester		114/1	
課程名稱(英文) Course Name in English	Derivatives							
科目代碼 Course Code	MSF_10230	系級 Department & Year	artment 學三		開課單位 Course-Offering Department	管理科學與財金國際學士 學位學程		
修別 Type	學程 Program	學分數/時間 Credit(s)/Hour(s)			3.0/3.0			
授課教師 Instructor	/羅德謙							
先修課程 Prerequisite								

### 課程描述 Course Description

Financial Derivatives, such as Futures and Options, is one of the fundamental subjects in Finance. I will introduce several interesting derivatives securities, including Forward Contracts, Futures, Options, and their characteristics in this course.

The course is designed to provide students an understanding of financial derivatives products. Students who would like to pursue further studies in Finance or seek jobs in Finance, Accounting or Business industry are recommended to take this course.

#### 課程目標 Course Objectives

This course introduces and explains the derivatives and underlying assets. Emphasis of this course is on the understanding and applications of financial models, and financial products.

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	
2	Chap 1. Introduction	
3	Chap 2. Mechanics of Futures and Forward Markets	
4	Chap 3. Hedging Strategies Using Futures	
5	Chap 5. Determination of Forward and Futures Prices	
6	Chap 9. Mechanics of Option Markets	
7	The First In-Class Assignment	
8	Discussion on In-Class Assignment, Review	
9	期中考試週 Midterm Exam	
10	School Holiday, No class	
11	Chap 10. Properties of Stock Options	
12	Final Presentation	
13	Final Presentation Chap 11. Trading Strategies Involving Options	

14	Final Presentation Chap 12. Introduction to Binomial Trees						
15	Final Presentation Chapter 13. Valuing Stock Options: The Black-Scholes-Merton Model						
16	The Second In-Class Assignment						
17	(Preparation Week)						
18							
	教 學 策 略 Teaching Strategies						
✓ 課堂講	授 Lecture ✓ 分組討論Group Discussion ② 參觀實習〕	Field Trip					
其他Mis	scellaneous:						
	教 學 創 新 自 評 Teaching Self-Evaluation						
創新教學(	Innovative Teaching)						
問題導口	向學習(PBL) 團體合作學習(TBL) 解決導向學	보谐(SBL)					
翻轉教	室 Flipped Classroom						
社會責任(	Social Responsibility)						
在地實踐Community Practice							
跨域合作(Transdisciplinary Projects)							
	學Transdisciplinary Teaching     跨院系教學Inter-collegiate Teaching						
業師合為	授 Courses Co-taught with Industry Practitioners						
其它 othe	r: 						

學期成績計算及多元評量方式 Grading & Assessments									
配分項目	配分比例 Percentage	多元評量方式 Assessments							
Items		測驗 會考	實作 觀察	口頭 發表	專題 研究	創作 展演	卷宗 評量	證照 檢定	其他
平時成績 General Performance	10%			>					
期中考成績 Midterm Exam	35%	<b>~</b>							
期末考成績 Final Exam									
作業成績 Homework and/or Assignments	20%		<b>~</b>						In-Class Assignment
其他 Miscellaneous (Final Presentation)	35%			<b>~</b>					

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.)

John Hull, Fundamentals of Futures and Options Markets, Prentice Hall. 雙葉書局代理

課程教材網址(含線上教學資訊,教師個人網址請列位於本校內之網址)

Teaching Aids & Teacher's Website(Including online teaching information.

Personal website can be listed here.)

NDHU E-learning Webpage

其他補充說明(Supplemental instructions)