請尊重智慧財產權，合法影印資料並使用正版教科書。
Please consult Intellectual Property Rights before making a photocopy. Please use the textbook of copyrighted edition.

國立東華大學

教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	財務經濟學(一)			學年/學期 Academic Year/Semester	111/1
課程名稱(英文) Course Name in English	Financial Economics (I)				
科目代碼 Course Code	EC__M5600	系級 Department & Year	碩士	開課單位 Course-Offering Department	經濟學系
修別 Type	選修 Elective	學分數/時間 Credit(s)/Hour(s)	3.0/3.0		
授課教師 Instructor	/李同龢				
先修課程 Prerequisite					

課程描述 Course Description

This course intends to introduce the student to the applications in financial economics field, and analytical tools applicable to analyze securities, particularly using R.

課程目標 Course Objectives

Its purpose is to provide the foundations for study of modern financial economics. Concentration is on individuals' consumption and portfolio decisions under uncertainty and their implications for the valuation of securities.

	系專業能力 Basic Learning Outcomes	課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.'s Education Objectives
A	數理分析能力：通曉經濟學的進階理論技巧，應用數學與賽局解決經濟議題的能力。Mathematical analysis skills: Mastering in intermediate application of mathematical theories and game theory in analyzing economic issues.	○
B	實證經濟分析能力：通曉經濟學的進階實證技巧，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 intermediate application of statistics and econometrics in data collection and examination.	●
C	微觀經濟之闡釋能力：通曉進階個體經濟學相關的理論與應用。Microeconomic perspective: Thorough understanding of intermediate microeconomic theories and relevant application.	●
D	宏觀經濟之闡釋能力：通曉進階總體經濟學相關的理論與應用。Macroeconomic perspective: Thorough understanding of intermediate macroeconomic theories and relevant application.	○
E	樂活能力：具備適應現代社會的進階學養以及就業能力。Employment opportunities: Capabilities of intermediate working on important policy and decision challenges in business and government.	
F	溝通表達能力：思路清晰，有能力與人溝通並撰寫進階專業研究報告。Communication skills: Having a clear mind and capability in writing an intermediate 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: Analytical thinking and introduction to R	
2	Introduction to R	

3	Financial statistics	
4	Time series I	
5	Time series II	
6	Equity I	
7	Equity I I	
8	Fixed income	
9	Midterm project presentation	
10	Portfolio I	
11	Portfolio II	
12	Derivatives I	
13	Derivatives II	
14	Banking	
15	Risk management I	
16	Risk management II	
17	Dependence	
18	Project presentation	

教 學 策 略 Teaching Strategies

☑ 課堂講授 Lecture ☑ 分組討論Group Discussion ☐ 參觀實習 Field Trip

☐ 其他Miscellaneous:

教 學 創 新 自 評 Teaching Self-Evaluation

創新教學(Innovative Teaching)

☐ 問題導向學習(PBL) ☐ 團體合作學習(TBL) ☐ 解決導向學習(SBL)

☐ 翻轉教室 Flipped Classroom ☐ 磨課師 Moocs

社會責任(Social Responsibility)

☐ 在地實踐Community Practice ☐ 產學合作 Industy-Academia Cooperation

跨域合作(Transdisciplinary Projects)

☐ 跨界教學Transdisciplinary Teaching ☐ 跨院系教學Inter-collegiate Teaching

☐ 業師合授 Courses Co-taught with Industry Practitioners

其它 other: _____

學期成績計算及多元評量方式 Grading & Assessments									
配分項目 Items	配分比例 Percentage	多元評量方式 Assessments							
		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%		✓		✓				
期末考成績 Final Exam	35%		✓		✓				
作業成績 Homework and/or Assignments	20%		✓						
其他 Miscellaneous (_____)									

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.)

No required textbook. Handouts will be used in the class.

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.)

Online class, if any:
google meet: https://meet.google.com/nhf-bxrk-ekv

其他補充說明 (Supplemental instructions)