

國立中正大學課程大綱

National Chung Cheng University Syllabus

課號 course code	115_1_5105101_01	全英文授課 EMI	☒ 是 ☐ 否
課程類別 course type	☐ 人文關懷課程 ☐ 競賽專題課程 ☐ 問題導向課程 ☐ 專題導向課程 ☒ 總整課程 ☐ 實作課程 ☐ 實習 ☐ 其他		
課程名稱 (中文) Chinese course name	個體經濟理論 (一)		
課程名稱 (英文) English course name	Microeconomic Theory I		
學年/學期 academic year /semester	115 學年第一學期	學分 credits	3
學系 (所) department	經濟	必選修 required/selected	☒ 必修 ☐ 選修
上課時間 class hours	星 期 一 跟 星 期 三 : 第 B 節 (8:45-10:00)	上課地點 classroom	管院 426
教師 instructor	徐德芬	教師 email Instructor's email	defhsu@ccu.edu.tw
助教 teaching assistant	TBD	助教 email TA's email	TBD
先修科目或 先備能力 prerequisites	It is expected that all students will have taken principles of economics courses covering both microeconomics and macroeconomics, and intermediate microeconomics theory. It will be assumed that all students have a good command of the material taught in these courses. It is strongly suggested that you review this material at the beginning of this course.		
課程概述 course descriptions	本課程是現代個體經濟理論系列課程的第一部分，旨在介紹現代個體經濟學的基礎。課程前半部探討決策理論 (decision theory)，分析理性決策者在不同情境下的選擇行為及其推論。後半部則進一步研究理性決策者之間的均衡互動，涵蓋部分均衡 (partial equilibrium) 與一般均衡 (general equilibrium) 理論。在簡要介紹配對理論 (matching theory) 之後，課程將進入完全資訊賽局理論 (game theory under complete information)。 本課程將介紹多種經濟模型，目的並非僅在於學習模型本身，而是透過這些模型幫助學生理解：(1)現代經濟學中最重要的核心概念，包括個體最適化 (individual optimization)、均衡 (equilibrium) 以及比較靜態分析 (comparative statics) ;(2)如何以經濟學家的方式，正式建立模型並分析經濟問題。		

課程概述 (英文) course descriptions	This course is the first part of a sequence covering the foundations of modern microeconomic theory. The first part of the course studies decision theory, deriving some implications of rational decisions in different settings. The second part considers the equilibrium interaction among rational decision makers. We cover partial and general competitive equilibrium theory. After a brief detour to matching theory, we move to game theory under complete information.		
學習目標 learning objectives	In this class, you will see a number of models. The purpose is to use these models as examples to show you (1) the most important concepts in modern economics: individual optimization, equilibrium and comparative statics, and (2) how to formally set up and analyze a problem as an economist.		
教科書及參考書 textbooks and references	• Jehle and Reny, Advanced Microeconomic Theory • Gibbons, R. (1992). Game theory for applied economists. Princeton University Press. • Mas-Colell, A., M.D. Whinston and J.R. Green (MWG): Microeconomic Theory, Oxford University Press (1995). • Silberberg, E. and W. Suen (SS): The Structure of Economics: A Mathematical Analysis, Third Edition, McGraw-Hill (2001).		
教學要點概述			
教材編選 teaching materials	☒ 自製簡報(ppt) ☒ 課程講義 ☐ 自編教科書 ☐ 教學程式 ☐ 自製教學影片 ☐ 其他		
教學方法 teaching methods	☒ 講述 ☒ 小組討論 ☒ 學生口頭報告 ☒ 問題導向學習 ☒ 個案研究 ☐ 其他		
評量工具 Evaluation tools	☒ 期中考 ☒ 期末考 ☒ 隨堂測驗 ☐ 隨堂作業 ☒ 課後作業 ☒ 期中報告 ☒ 期末報告 ☒ 專題報告 ☐ 評量尺規 ☐ 其他		
教學資源 teaching resources	☒ 課程網站 ☐ 教材電子檔供下載 ☐ 實習網站		
教師 相關訊息 instructor's information			
每週課程內容 weekly scheduled contents			
Week 1 Introduction			
Week 2 Preferences and Utility; Consumer Problem			
Week 3 Indirect Utility and Expenditure/Duality Results			
Week 4 Aggregation/ Welfare Evaluation/Revealed Preferences and Exchange			
Week 5 First Midterm			
Week 6 Production			
Week 7 Cost Functions			
Week 8 Profit Maximization			

Week 9 Second Midterm
Week 10 Group Project/Presentation
Week 11 Perfect Competition - Short Run; Entry and Exit – Long Run Equilibrium
Week 12 Monopoly and Price Discrimination
Week 13 Principal-Agent Problem: Base Model
Week 14 Final Project/ Presentation
Week 15 Final Project/ Presentation
Week 16 Final Exam
Week 17 TBD
Week 18 TBD

核心能力
core competencies

核心能力 Core competency		本課程與核心能力關聯強度 Degrees of related to core competencies				
		1	2	3	4	5
專業能力 Specific competency	基本學識					√
	分析與整合					√
	溝通與合作能力					√
	專業能力 4					
	專業能力 5					
共通能力 General Competence	問題解決能力					√
	溝通表達能力					√
	團隊合作能力					√
	共通能力 4					
	共通能力 5					

註：關聯強度以五點量表標示，1 表示沒有關聯，5 表示非常有關聯。