



教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	個體經濟分析(二)			學年/學期 Academic Year/Semester	114/1			
課程名稱(英文) Course Name in English	Microeconomic Analysis (II)							
科目代碼 Course Code	EC_D0010	系級 Department & Year	博士	開課單位 Course-Offering Department	經濟學系			
修別 Type	必修 Required	學分數/時間 Credit(s)/Hour(s)	3.0/3.0					
授課教師 Instructor	/林晏如							
先修課程 Prerequisite								

課程描述 Course Description

This course introduces students to the core ideas of advanced microeconomic theory. The focus is on how consumers and firms make decisions, how markets work, and how welfare can be evaluated. The course also develops the mathematical tools needed to analyze these topics, including optimization and duality.

課程目標 Course Objectives

This course covers advanced techniques of microeconomic analysis that are used in state of the art economic research, treated from a general, critical, and rigorously mathematical standpoint.

Focus on five main areas in microeconomic analysis: consumer theory, producer theory, choice under uncertainty, non-cooperative game theory, and economics of information. In addition to the analytical techniques, this course also emphasize the economic intuitions behind theories.

	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：通曉經濟學的高階理論技巧，應用數學與賽局解決經濟議題的能力 Mathematical analysis skills: Mastering in advanced application of mathematical theories and game theory in analyzing economic issues	●
B	實證經濟分析能力：通曉經濟學的高階實證技巧，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 advanced application of statistics and econometrics in data collection and examination	
C	微觀經濟之闡釋能力：通曉高階個體經濟學相關的理論與應用 Microeconomic perspective: Thorough understanding of advanced microeconomic theories and relevant application	●
D	宏觀經濟之闡釋能力：通曉高階總體經濟學相關的理論與應用 Macroeconomic perspective: Thorough understanding of advanced macroeconomic theories and relevant application	
E	自我調整適應社會之能力：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 government	
F	溝通表達能力：思路清晰，有能力與人溝通並撰寫高階專業研究報告 Communication skills: Having a clear mind and profound ability in presenting advanced professional academic research	

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/ Mathematics	
2	Preferences and Utility	
3	The consumer's problem	
4	Indirect utility function	
5	The expenditure function Duality	
6	Relative prices and real income	
7	Income and Substitution effects	
8	Uncertainty	
9	期中考試週 Midterm Exam	
10	Production Returns to Scale and Varying Proportions	
11	Cost	
12	Duality in Production	
13	Perfect competition	
14	Imperfect competition	
15	Equilibrium Welfare	
16	Game theory	
17	期末考試週 Final Exam	
18	self-study	

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
平時成績(含出缺席) General Performance (Attendance Record)	20%							
期中考成績 Midterm Exam	30%							
期末考成績 Final Exam	30%							
作業成績 Homework and/or Assignments	20%							
其他 Miscellaneous (_____)								

評量方式補充說明 Grading & Assessments Supplemental instructions

Grading policy

Attendance--students are expected to attend class regularly. Attendance will count toward the final grade.

In-class assignments--short excercises will be given during class to check understanding.

Homework assignments--Written homework will be assigned and collected. These help students practice and apply the concepts.

Midterm Exam--there will be one midterm exam covering the first part of the course.

Final Exam--the final exam will cover the whole course.

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.)

Teaching Materials

We will use self-prepared teaching materials. The instructor will provide lecture notes, slides, and exercises based on the textbook and related readings.

References

Jehle and Reny [Advanced Microeconomic Theory] (3rd). Pearson.

Varian, H. R. Intermediate Microeconomics: A modern approach. W. W. Norton.

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.)

其他補充說明 (Supplemental instructions)