


國立東華大學
教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	個體經濟分析（一）			學年/學期 Academic Year/Semester	102/1
課程名稱(英文) Course Name in English	Microeconomic Analysis (I)				
科目代碼 Course Code	IIE_54700	系級 Department & Year	碩士	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	/林奇蓉				
先修課程 Prerequisite					
課程描述 Course Description					
This course is designed for the first-year master students in economics. In this course, we will cover the basic topics of microeconomics including consumer theory, producer theory and partial equilibrium markets. We may venture into the theory of uncertainty and game if time allows.					
課程目標 Course Objectives					
為本所核心課題之一，本所學生必修具有總體與個體經濟理論訓練，才能根據經濟理論作實證分析，及各種經濟預測等。					
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 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 application of statistics and econometrics in data collection and examination				
C	微觀經濟之闡釋能力：通曉個體經濟學相關的理論與應用。Microeconomic perspective: Thorough understanding of microeconomic theories and relevant application				●
D	宏觀經濟之闡釋能力：通曉總體經濟學相關的理論與應用。Macroeconomic perspective: Thorough understanding of macroeconomic theories and relevant application				
E	樂活能力：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 governmen				
F	溝通表達能力：思路清晰，有能力與人溝通並撰寫專業研究報告。Communication skills: Having a clear mind and capability in writing a 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	Lecture 0: Overview				
2	Lecture 1: Mathematical Review (Logic Elements, Sets, Function)				
3	Lecture 1: Mathematical Review (Logic Elements, Sets, Function				

4	Lecture 2: Mathematical Review II (Definite and Semidefinite Matrices, Tests for Definite Matrices, Optimization)	
5	Lecture 3: Consumer Theory I (Reference, Utility, The Consumer's Problem)	
6	Lecture 4: Consumer Theory II (The Indirect Utility Function, The Expenditure Function, Relationships between Marshallian and Hicksian, The Slutsky Equation, Elasticity, Aggregation in Consumer Demand)	
7	Midterm Exam1	
8	Lecture 5: Topics in Consumer Theory (Duality, Integrability, Revealed Preference)	
9	Lecture 6: Theory of the Firm (Technology of Production, Production Function, Returns to Scale, Cost, The Competitive Firm, Duality in Production)	1
10	Lecture 7: Some Production Functions and Cost Functions (Technology of Production, Production Function, Returns to Scale, Cost, The Competitive Firm, Duality in Production, Some Production Functions and Cost Functions)	
11	International Culture Day	
12	Midterm Exam 2	
13	Lecture 8A: Partial Equilibrium (Perfect Competition, Monopoly, Oligopoly, Monopolistic Competition)	
14	Lecture 8B: Partial Equilibrium (Welfare)	
15	Lecture 8B: Partial Equilibrium (Welfare)	
16	Lecture 9: Uncertainty (Preferences, Von Neumann-Morgenstern Utility, Risk Aversion, Certainty Equivalence)	
17	New Year's Day	
18	Final Exam	

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:

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									
期中考成績 Midterm Exam	35%	✓							
期末考成績 Final Exam	30%	✓							
作業成績 Homework and/or Assignments									
其他 Miscellaneous (The Second Midterm Exam)	35%	✓							

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.)

Textbooks: The required textbook for this course will be J&R. However, the following textbooks have relative strength, therefore I will draw my lectures from the following to varying degrees.

**Jehle, G.A. and P.J. Reny, Advanced Microeconomic Theory, Addison-Wesley, 2001.

*Luenberger, D.G., Microeconomic Theory, McGraw-Hill, 1995.

*Varian, H.R., Microeconomic Analysis, W. W. Norton & Company, 1992.

Mas-Collel, A., Whinston, M.D. and J.R. Green, Microeconomic Theory, Oxford University Press, 1995.

課程教材網址（教師個人網址請列在本校內之網址）
Teaching Aids & Teacher's Website (Personal website can be listed here.)

The course website is at Dong Hwa e-Learning <http://134.208.7.42/>

其他補充說明 (Supplemental instructions)