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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(二)			學年/學期 Academic Year/Semester	110/1
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	/梁文榮				
先修課程 Prerequisite					

課程描述 Course Description

This course aims to fulfill two targets. First, it provides students with advanced knowledge on the field of Microeconomics, consisting of consumers' and firms' behaviors, the structure of markets, and game theories, Second, It offers students the skills of doing theoretical research by studying some essential literature.

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	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	樂活能力：具備適應現代社會的高階學養以及就業能力Employment opportunities: Capabilities of advanced 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	Technology (Varian, ch. 1)	
2	Profit Maximization, and Profit Function (Varian, ch. 2 and 3)	
3	Cost Minimization, and Cost Function (Varian, ch. 4 and 5)	
4	Utility Maximization, and Choice (Varian, ch. 7 and 8)	
5	Demand, and Consumers' Surplus (Varian, ch. 9 and 10)	
6	Competitive Market, and Monopoly (Varian, ch. 13 and 14)	
7	Game Theory (MasColell et al., ch. 8 and 9) Oligopoly (Varian, ch. 16)	
8	Hotelling, H., 1929. "Stability in Competition," Economic Journal 39, 41-57. D' Aspremont, C., J. Gabzewicz, and J.-F., Thisse, 1979, "On Hotelling' s Stability in Competition," Econometrica 47, 1145-50.	
9	期中考試週 Midterm Exam	
10	Festival off	
11	Liang, W.J., and C.C. Mai, 2006, "Validity of the Principle of Minimum Differentiation under Vertical Subcontracting," Regional Science and Urban Economics 36, 373-84. Hamilton, J. H., J.-F Thisse, and A. Weskamp, 1989, "Spatial Discrimination: Bertrand vs. Cournot in a Model of Location Choice," Regional Science and Urban Economics 19, 87-102.	
12	Liang, W.J., H. Hwang, and C.C. Mai, 2006, "Spatial Discrimination: Bertrand vs. Cournot with Asymmetric Demands," Regional Science and Urban Economics 36, 790-802. Pal, D., 1998, " Does Cournot Competition Yield Spatial Agglomeration?" Economics Letters 60, 49－53.	
13	Singh, N., and X. Vives, 1984 , "Price and Quantity Competition in a Differentiated Duopoly," Rand Journal of Economics 15, 546-54. Motta, M., 1993, "Endogenous Quality Choice, Price vs. Quantity Competition, Journal of Industrial Economics 1, 113-31.	
14	Hackner, J., 2000, " A Note on Price and Quantity Competition in Differentiated Oligopolies," Journal of Economic Theory 93, 233-239. Wang, K.C.A., Y.J. Wang and W.J. Liang, 2021, "Comparing Cournot and Bertrand Equilibria in the Presence of Spatial Barriers and R&D," Review of Industrial Organization, 475-491.	
15	Lin, P., and K. Saggi, 2002, "Product Differentiation, Process R&D, and the Nature of Market Competition," European Economic Review 46, 201-11. Wang, Y.J., K.C.A. Wang, W.J. Liang and B.Y. Lee, 2019, "Product and Process R&D under Asymmetric Demands," Journal of Institutional and Theoretical Economics 175, 537-557.	
16	Miller, N., and Pazgal, A., 2001, "The Equilivance of Price and Quantity Competition with Delegation," Rand Journal of Economics 32, 284-301. Liang, W.J, C.C. Tseng and K.C.A. Wang, 2011, "Location Choice with Delegation: Bertrand vs. Cournot Competition," Economic Modelling 28, 1774-1781.	
17	Brander, J.A., and B.J. Spencer, 1985, "Export Subsidies and International Market Share Rivalry," Journal of International Economics 18, 83-100. Liang, W.J and C.C. Mai, 2010, "Optimal Trade Policy with Horizontal Differentiation and Asymmetric Costs," Review of Development Economics 14, 302-310.	
18	期末考試週 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:
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	40%			✓					
期中考成績 Midterm Exam	30%	✓							
期末考成績 Final Exam	30%	✓							
作業成績 Homework and/or Assignments									
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.)

Varian, H.R., Microeconomic Analysis, 3rd ed., W.W. Norton & Company, 1992.
Mas-Colell, A., M.D. Whinston, and J.R. Green, Microeconomic Theory, 3rd ed., Oxford University Press, 1995.

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.)

https://meet.google.com/biv-ywiy-txf

其他補充說明 (Supplemental instructions)