



教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	應用計量經濟學			學年/學期 Academic Year/Semester	106/2
課程名稱(英文) Course Name in English	Applied Econometrics				
科目代碼 Course Code	IIE_58400	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	/羅德芬				
先修課程 Prerequisite					
課程描述 Course Description					
<p>This is a graduate level course to empirical research on microeconometrics. We will explore the methods of data processing as well as several econometric models, mainly focus on cross sectional data and panel data. Topics include software operation, data management, and empirical estimation for microeconomic data.</p> <p>For each topic, we have quick in-class exercises for your practice. Students will be trained to be familiar with the usage of econometric softwares, and to have the ability to do empirical research independently.</p>					
課程目標 Course Objectives					
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				
2	Stata Basics				
3	Stata Basics (Continued)				
4	Advanced Stata				
5	Advanced Stata (Continued)				
6	Holiday				
7	Data Management				
8	Data Management (Continued)				
9	Ordinary Least Squares				
10	Ordinary Least Squares (Continued)				
11	Instrumental Variables				
12	Instrumental Variables (Continued)				

13	Hypothesis Tests	
14	Stata Programming	
15	Maximum Likelihood Estimation	
16	Maximum Likelihood Estimation (Continued)	
17	Binary Response Model	
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	10%								
期中考成績 Midterm Exam									
期末考成績 Final Exam									
作業成績 Homework and/or Assignments	90%		✓						
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.)

Stata User's Guide.
 Stata Reference.
 Wooldridge, Jeffrey M., Econometric Analysis of Cross Section and Panel Data, The MIT Press, 2002.
 Greene, William H., Econometric Analysis, 7th ed., Upper Saddle River, NJ: Prentice-Hall, 2003.
 Cameron, A. Colin, and Pravin K. Trivedi, Microeconometrics: Methods and Applications, Cambridge University Press, 2005.
 Hsiao, Cheng, Analysis of Panel Data, Cambridge University Press, 1986.
 Baltagi, Badi H., Econometric Analysis of Panel Data, John Wiley & Sons Ltd., 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.)

其他補充說明 (Supplemental instructions)

* The weekly schedule is subject to change depending upon the progress of the class.