

 國立東華大學
教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	經濟預測		學年/學期 Academic Year/Semester		107/1
課程名稱(英文) Course Name in English	Economic Forecasting Method				
科目代碼 Course Code	EC__50410	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	/羅德芬				
先修課程 Prerequisite					
課程描述 Course Description					
This is the first graduate-level course in theoretical econometrics. It covers statistical topics that are of particular interest in economics and related fields. Basically, it will cover linear regression analysis of single-equation and multiple-equation models. This course is intended as an introduction to econometric methods, and to be a useful prerequisite to further study in theoretical econometrics or applied econometrics. The prerequisites for the course are a basic knowledge of statistics and of matrix algebra. Students should have had at least one semester course in statistics using calculus. There is no specific course prerequisite in matrix algebra, but some familiarity with matrices and the ability and willingness to manipulate them algebraically are required. For each topic, we will have some take-home exercises for your own practice. Students are required to do those exercises by themselves. Discussion between students is allowed and encouraged, but just copying others' solutions without any self-thinking will be not helpful to the understanding of econometric topics. The solutions to take-home exercises will be announced in the class one week after take-home exercises.					
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 to Econometrics and Economic Data				
2	The Simple Regression Model				
3	The Simple Regression Model (Cont.)				
4	The Estimation of Multiple Regression Analysis				
5	The Estimation of Multiple Regression Analysis (Cont.)				
6	The Inference of Multiple Regression Analysis				
7	The Inference of Multiple Regression Analysis (Cont.)				
8	Multiple Regression Analysis with OLS Asymptotics				

9	Midterm Exam	
10	Multiple Regression Analysis with OLS Asymptotics (Cont.)	
11	Further Issues on the Multiple Regression Model	
12	Further Issues on the Multiple Regression Model (Cont.)	
13	Multiple Regression Model with Qualitative Variables	
14	Multiple Regression Model with Qualitative Variables (Cont.)	
15	Heteroskedasticity	
16	More on Specification and Data Issues	
17	More on Specification and Data Issues (Cont.)	
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:

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 Industry-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	20%		✓						
期中考成績 Midterm Exam	40%	✓							
期末考成績 Final Exam	40%	✓							
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.)									
Recommended Supplementary Texts: Wooldridge, J. M. (2012). Introductory econometrics: A modern approach (5th Edition). Canada: Cengage Learning. Greene, W. H. (2012). Econometric analysis (Seventh Edition (International Edition) ed.). Essex, England: Pearson Education Limited. Verbeek, M. (2004). A guide to modern econometrics (Second Edition ed.): John Wiley & Sons, Ltd. Wooldridge, J. M. (2002). Econometric analysis of cross section and panel data. Cambridge, Massachusetts, London, England: The MIT Press.									
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)									