②国o支束華大學 教學計劃表 Syllabus

課程 Course Na	名稱(中文) me in Chinese	經濟預測			學年/學期 Academic Year/Se	學年/學期 Academic Year/Semester					
課程 Course Na	名稱(英文) me in English	Economic Forecasting Method									
科 Cour	-目代碼 rse Code	EC50410	条級 Department 碩士 Coun & Year D		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 Ins	需教師 structor	/羅德芬									
失 Prer	修課程 requisite										
課程描述 Course Description											
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.											
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	1	備註Remarks							
1	Introduction										
2	Statistical Review (I)										
3	Statistical Review (I) (Cont.)										
4	The Simple Linear Regression Model										
5	The Simple Linear Regression Model (Cont.)										
6	Matrix Algebra	atrix Algebra									
7	Matrix Algebra	trix Algebra (Cont.)									
8	Statistical Rev	tatistical Review (II)									

9	期中考試週 Midterm Exam											
10	Statistical Review (II) (Cont.)											
11	The Multiple Linear Regression Model											
12	The Multiple Linear Regression Model (Cont.											
13	The Multiple Linear Regression Model (Cont.)											
14	The Multiple Linear Regression Model (Cont.)											
15	Maximum Likelihood Estimation											
16	Maximum Likelih											
17	Maximum Likelih											
18	期末考試週 Fina											
教學策略 Teaching Strategies												
✓ 課堂講授 Lecture 分組討論Group Discussion 參觀實習 Field Trip												
學期成績計算及多元評量方式 Grading & Assessments												
		配分比例		多元評量方式 Assessments								
	Items	Percentage	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:												
Greene, W. H. (2012). Econometric analysis (Seventh Edition (International Edition) ed.). Essex, England: Pearson Education Limited.												
Verbeek, M.	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(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)