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②图玄束華大學

教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	計量經濟學(二))			學年/學期 Academic Year/Semester			
課程名稱(英文) Course Name in English	Econometrics (II)							
科目代碼 Course Code	EC32000	系級 Department & Year	學三	開課單位 Course-Offering Department	經濟學系			
修別 Type	學程 Program	學分數/時 Credit(s)/Hou		3	3.0/3.0			
授課教師 Instructor	/陳建福							
先修課程 Prerequisite	/*計量經濟學(一)							

課程描述 Course Description

This course is an introductory econometrics at the undergraduate level. This course aims at giving students basic understanding of econometrics theories and applying econometric techniques of regression analysis. Various econometric models are illustrated by practical examples based on concrete data to achieve this goal. We will cover the following topics: heteroscedasticity, autocorrelation, qualitative response models, panel data, dynamic econometric models, basic time series methods, and forecasting methods.

課程目標 Course Objectives

This course is an introductory econometrics at the undergraduate level. This course aims at giving students basic understanding of econometrics theories and applying econometric techniques of regression analysis. Various econometric models are illustrated by practical examples based on concrete data to achieve this goal. We will cover the following topics: heteroscedasticity, autocorrelation, qualitative response models, panel data, dynamic econometric models, basic time series methods, and forecasting methods.

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 Heteroscedasticity 3 Heteroscedasticity 4 Heteroscedasticity 5 Autocorrelation 6 Autocorrelatio 7 Holiday - No class 8 Autocorrelatio 9 期中考試週 Midterm Exam 10 Panel dat 11 Panel data

12 Time series models 13 Time series models 14 Time series models 15 Time series models 16 Forecasting methods 17 Forecasting methods 18 期末考試週 Final Exam								
15 Time series models 16 Forecasting methods 17 Forecasting methods 18 期末考試週 Final Exam	12	Time series models						
15 Time series models 16 Forecasting methods 17 Forecasting methods 18 期末考試週 Final Exam 数學策略 Teaching Strategies 数學創新自評Teaching Self-Evaluation 多觀實習 Field Trip 其他Miscellaneous: 数學創新自評Teaching Self-Evaluation 解決導向學習(SBL) 關聯教室(Innovative Teaching) 問題導向學習(PBL) 團體合作學習(TBL) 解決導向學習(SBL) 解轉教室 Flipped Classroom 唐潔師 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 業部合校 Courses Co-taught with Industry Practitioners	13	Time series models						
Forecasting methods 17 Forecasting methods 18 期末考試週 Final Exam 数 學 策 略 Teaching Strategies 文線堂講校 Lecture	14	Time series models						
17 Forecasting methods 18 期末考試週 Final Exam ***	15	Time series models						
教學策略 Teaching Strategies 数學類	16	Forecasting methods						
教學策略 Teaching Strategies ✓ 課堂講授 Lecture	17	Forecasting methods						
✓ 課堂講授 Lecture	18	期末考試週 Final Exam						
其他Miscellaneous: 数學創新自評Teaching Self-Evaluation		教學策略 Teaching Strategies						
教學創新自評 Teaching Self-Evaluation 創新教學(Innovative Teaching) 問題導向學習(PBL) 翻轉教室 Flipped Classroom 虚學師 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	✓ 課堂講授 Lecture 分組討論Group Discussion 參觀實習 Field Trip							
創新教學(Innovative Teaching) 問題導向學習(PBL)	其他Mis	scellaneous:						
問題導向學習(PBL)	教學創新自評 Teaching Self-Evaluation							
■ 翻轉教室 Flipped Classroom								
社會責任(Social Responsibility) 在地實踐Community Practice	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							
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	— — — — — 社會責任(Social Responsibility)							
■ 跨界教學Transdisciplinary Teaching 跨院系教學Inter-collegiate Teaching 業師合授 Courses Co-taught with Industry Practitioners	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							
其它 other:	業師合授 Courses Co-taught with Industry Practitioners							

學期成績計算及多元評量方式 Grading & Assessments									
配分項目	配分比例 Percentage	多元評量方式 Assessments							
Items		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	30%								
期末考成績 Final Exam	30%								
作業成績 Homework and/or Assignments	10%								
其他 Miscellaneous (Two quizes)	20%								

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.)

Gujarati, D. N. and D. C. Porter (2009), Basic Econometrics, 5th edition, New York: McGraw-Hill. (新月書局代理)

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)