



## 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	111/2	
課程名稱(英文) Course Name in English	Econometrics (II)				
科目代碼 Course Code	EC_32000	系級 Department & Year	學二	開課單位 Course-Offering Department	經濟學系
修別 Type	學程 Program	學分數/時間 Credit(s)/Hour(s)	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. Students will learn how to write programs in R to replicate empirical examples in the textbook.

### 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	Autocorrelation	
7	Holiday - No class	
8	Autocorrelation	
9	期中考試週 Midterm Exam	
10	Panel data	
11	Panel data	

12	Time series models	
13	Time series models	
14	Time series models	
15	Forecasting methods	
16	Forecasting methods	
17	期末考試週 Final Exam	
18	進行彈性補充教學	

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:

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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									
期中考成績 Midterm Exam	35%								
期末考成績 Final Exam	35%								
作業成績 Homework and/or Assignments									
其他 Miscellaneous (Two quizzes)	30%								

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. (華泰書局代理)

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)