

115學年度第1學期 國立中正大學經濟學系

教學大綱

編號：510A564

科目名稱：生產經濟學

修別：選修

英文譯名：Production Economics

授課教師：孫佳宏

學分數：2

Class meeting: Saturday: 10:10-12:00

● 聯絡方式:

Lecturer: Dr. Chia-Hung Sun

Phone: (05) 272 0411 ext. 34122; Email: ecdchs@ccu.edu.tw

Office hours (Room 330): Saturday 12:00-14:00 or by appointment

● 成績評量:

- 出席率 + 上課參與 (5% + 5%)、2 次作業 (15%)、期中考 (15%)、1 次口頭及書面報告(30%, 10-15mins)、期末考 (30%)
- **口頭及書面報告: 2026/12/12, 期末考日期: 暫定 2027/12/26**
- 學期點名共 5 次, 全到者得 7 分; 缺席 1 次得 4 分; 缺 2 席次得 1 分; 缺席 3 次扣 5 分; 缺席 4 次 **一律扣考** (絕不接受事後補公假、事假; 生病者無法出席上課, 請事先以電話或 email 告知)
- 學期成績總分達 65 分以上, 以 70 分計!
- 期末考缺考者以零分計算, 請勿事後以電話或 email 解釋缺考理由及要求補考
- 未遵守考場秩序, 學期成績以零分計, 並依校規處理

● 課本及參考書籍:

1. Coelli, T.J., Rao, D.S.P., O'Donnell, C.J., Battese, G.E. (2005), *An Introduction to Efficiency and Productivity Analysis*, 2nd edition, pp. 350.

參考書籍:

1. 黃鏡如、傅祖壇、黃美瑛 (2008) 『績效評估：效率與生產力之理論與應用』新陸書局出版.
2. Jehle, Geoffrey A. and Philip J. Reny, (2001), *Advanced Microeconomic Theory* (2nd edition), Addison Wesley.
3. Kumbhakar, S.C. and C.A.K. Lovell (2000), *Stochastic Frontier Analysis*, Cambridge: Cambridge University Press.

CLASS SYLLABUS

	Date	Content	Reading
1.	09/12	Production function and cost function	
2.	10/17	Production function and cost function	
3.	10/24	Review of Production Economics	
4.	10/31	Productivity and Efficiency Measurement Concepts	
5.	11/07	Index Numbers and Productivity measurement	
6.	11/14	Data Envelopment Analysis	
7.	11/21	Midterm exam	
8.	11/28	Additional Topics on Data Envelopment Analysts	
9.	12/05	Econometric Estimation of Production Technologies	
10.	12/12	Presentation	
11.	12/26	Final exam	
12.	01/02	TBA	
13	01/09	TBA	

- 課程內容

1: Introduction

2: Review of Production Economics

3: Productivity and Efficiency Measurement Concepts

4: Index Numbers and Productivity Measurement

5: Data and Measurement Issues

6: Data Envelopment Analysis

7: Additional Topics on Data Envelopment Analysts

8: Econometric Estimation of Production Technologies

9: Stochastic Frontier Analysis