



# 課 綱 Course Outline

## 經濟學系博士班一般組

中文課程名稱 Course Name in Chinese	個體經濟分析(二)				
英文課程名稱 Course Name in English	Microeconomic Analysis(II)				
科目代碼 Course Code	EC__70000	班 別 Degree	博士班 Ph. D.		
修別 Type	必修 Required	學分數 Credit(s)	3.0	時 數 Hour(s)	3.0
先修課程 Prerequisite	none				
課程目標 Course Objectives					
This course covers advanced techniques of microeconomic analysis that are used in state of the art economic research, treated from a general, critical, and rigorously mathematical standpoint. Focus on five main areas in microeconomic analysis: consumer theory, producer theory, choice under uncertainty, non-cooperative game theory, and economics of information. In addition to the analytical techniques, this course also emphasize the economic intuitions behind theories.					
系教育目標 Dept.'s Education Objectives					
1	培育具獨立學術研究與專業能力之優秀經濟人才 Foster potential talents with professional knowledge and empirical skills in economics				
系專業能力 Basic Learning Outcomes				課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.' s Education Objectives	
A	數理分析能力：通曉經濟學的高階理論技巧，應用數學與賽局解決經濟議題的能力。 Mathematical analysis skills: Mastering in advanced application of mathematical theories and game theory in analyzing economic issues.			●	

B	實證經濟分析能力：通曉經濟學的高階實證技巧，善用資訊科技進行資訊蒐集、資料統計與計量分析。 Empirical analysis skills: Mastering in advanced application of statistics and econometrics in data collection and examination	
C	微觀經濟之闡釋能力：通曉高階個體經濟學相關的理論與應用。 Microeconomic perspective: Thorough understanding of advanced microeconomic theories and relevant application	●
D	宏觀經濟之闡釋能力：通曉高階總體經濟學相關的理論與應用。 Macroeconomic perspective: Thorough understanding of advanced macroeconomic theories and relevant application	
E	樂活能力：具備適應現代社會的高階學養以及就業能力。 Employment opportunities: Capabilities of advanced working on important policy and decision challenges in business and government	
F	溝通表達能力：思路清晰，有能力與人溝通並撰寫高階專業研究報告。 Communication skills: Having a clear mind and profound ability in presenting advanced professional academic research	

圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated

### 課程大綱 Course Outline

- 1、Mathematics
- 2、Introduction
- 3、Preference and Demands
- 4、Duality
- 5、General Equilibrium(I): Pure exchange economies
- 6、Production
- 7、General Equilibrium (II): Private Ownership economies
- 8、Monopoly
- 9、Imperfect competition

資源需求評估（師資專長之聘任、儀器設備的配合．．．等）  
Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)

### 課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods

本課程以講授方式進行，輔以課堂討論。

### 其他 Miscellaneous