



課 綱 Course Outline  
經濟學系博士班

中文課程名稱 Course Name in Chinese	總體經濟分析(三)				
英文課程名稱 Course Name in English	Macroeconomic Analysis (III)				
科目代碼 Course Code	EC__70400	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 will build up students' knowledge stock about the current state of advanced macroeconomic research and sharp their ability to conduct and evaluate economic analyses of issues relating to advanced macroeconomics.					
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、Basic concepts and analytical tools
  - (1) The importance of economic growth
  - (2) Economic growth throughout history
  - (3) The evolution of growth models: from Adam Smith to Harrod-Domar
- 2、The neoclassical growth models
  - (1) Solow's Neoclassical growth model
  - (2) How well does Solow's model explain economic growth?
  - (3) Extensions of Solow's model
  - (4) Population, natural resource and government in the neoclassical model
- 3、The new growth theory
  - (1) Technological progress
  - (2) Education, human capital and economic growth
  - (3) Financial intermediaries and economic growth
  - (4) Innovation and the diffusion of technology
  - (5) Government, infra-structure and economic growth
  - (6) International trade and economic growth
  - (7) Globalization and economic growth
  - (8) Institutions and economic growth
  - (9) Why would anyone be against economic growth?
  - (10) Are there limits to growth?
  - (11) Research agenda of economic growth theor

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

The requirements for the course include: a number of problem sets and short essays; preparation of background materials for, and participation in, an in-class discussion on one of the current policy topics; and a final examination

### 其他 Miscellaneous