



## 教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	總體經濟分析與應用		學年/學期 Academic Year/Semester	108/2
課程名稱(英文) Course Name in English	Macroeconomic Analysis and Application			
科目代碼 Course Code	EC_50400	系級 Department & Year	碩士	開課單位 Course-offering Department
修別 Type	必修 Required	學分數/時間 Credit(s)/Hour(s)	3.0/3.0	
授課教師 Instructor	/張銘仁			
先修課程 Prerequisite				
課程描述 Course Description				
This course is constructed to familiarize students with the skills of modern macroeconomic theory at the graduate level. Models are developed to explain how growth model, real business cycles, Keynesian theory and microeconomic foundation models are determined.				
課程目標 Course Objectives				
This course is constructed to familiarize students with the skills of modern macroeconomic theory at the graduate level. Models are developed to explain how growth model, real business cycles, Keynesian theory and microeconomic foundation models are determined.				
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：通曉經濟學的進階理論技巧，應用數學與賽局解決經濟議題的能力。 Mathematical analysis skills: Mastering in intermediate application of mathematical theories and game theory in analyzing economic issues.			●
B	實證經濟分析能力：通曉經濟學的進階實證技巧，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 intermediate application of statistics and econometrics in data collection and examination			●
C	微觀經濟之闡釋能力：通曉進階個體經濟學相關的理論與應用。 Microeconomic perspective: Thorough understanding of intermediate microeconomic theories and relevant application			
D	宏觀經濟之闡釋能力：通曉進階總體經濟學相關的理論與應用。 Macroeconomic perspective: Thorough understanding of intermediate macroeconomic theories and relevant application			●
E	樂活能力：具備適應現代社會的進階學養以及就業能力。 Employment opportunities: Capabilities of intermediate 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進階專業研究報告。 Communication skills: Having a clear mind and capability in writing an intermediate professional academic report			●
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	Topic 1: Introduction (chapter 1)			

2	Topic 2: The Centralized Economy (chapter 2)	
3	Topic 3: The Decentralized Economy (chapter 4)	
4	Topic 3: The Decentralized Economy (chapter 4)	
5	Topic 4: Economic Growth (chapter 3)	
6	no class	
7	Topic 4: Economic Growth (chapter 3)	
8	期中考試週 Midterm Exam	
9	Topic 5: The Monetary Economy (chapter 8)	
10	Topic 6: Imperfectly Flexible Prices (chapter 9)	
11	Topic 7: The Open Economy (chapter 7)	
12	Topic 8: Nominal Exchange Rates (chapter 12)	
13	presenting	
14	presenting	
15	presenting	
16	期末考試週 Final Exam	
17	presenting	
18	presenting	

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:

---

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	5%								participating
期中考成績 Midterm Exam	30%	✓							
期末考成績 Final Exam	35%	✓							
作業成績 Homework and/or Assignments	30%		✓	✓	✓				
其他 Miscellaneous (_____)	0%								

評量方式補充說明

Grading & Assessments Supplemental instructions

The course grade will be based on a group presenting and a midterm exam with a comprehensive final exam [5% participation rate + 30% group presenting (no more than 2 students a group) + 30% Midterm + 35% Final].

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.)

Macroeconomic Theory, 2nd Edition, Michael Wickens, 2012, Princeton, NJ: Princeton University Press (ISBN 978-0-691-15286-8).

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.)

## Reading list:

- [1] Bianchi, J. 2011, Overborrowing and systemic externalities in the business cycle, *American Economic Review* 101, 3400 - 3426.
- [2] Bianchi, J. and E.G. Mendoza, 2018, Optimal time-consistent macroprudential policy, *Journal of Political Economy* 126, 588 - 634.
- [3] Clarida, R., J. Gali and M. Gertler, 2000, Monetary policy rule and macroeconomic stability: Evidence and some theory, *Quarterly Journal of Economics* 115, 147 - 180.
- [4] Ellisona, M. and N. Rankin. 2007. Optimal monetary policy when lump-sum taxes are unavailable: A reconsideration of the outcomes under commitment and discretion, *Journal of Economic Dynamic & Control* 31, 219 - 243.
- [5] Farhi, E. and I. Werning, 2016, A theory of macroprudential policies in the presence of nominal rigidities, *Econometrica* 84, 1645 - 1704.
- [6] Fender, J. and N. Rankin, 2003, A small open economy with staggered wage setting and intertemporal optimization: The basic analytics, *Manchester School* 71, 396 - 416.
- [7] Gray, M. and S.J. Turnovsky, 1979, The stability of exchange rate dynamics under perfect myopic foresight, *International Economic Review* 20, 643 - 660.
- [8] Heaton, J. and D.J. Lucas, 1996, Evaluating the effects of incomplete markets on risk sharing and asset pricing, *Journal of Political Economy* 104, 443 - 487.
- [9] Khan, A., R.G. King and A. Wolman, 2003, Optimal monetary policy, *Review of Economic Studies* 70, 825-860.
- [10] Lenel, M., M. Piazzesi, and M. Schneider, 2019, The short rate disconnect in a monetary economy, *Journal of Monetary Economics* 106, 59 - 77.
- [11] Nardi, M. De, E. French and D. Benson, 2012, Consumption and the great recession, NBER Working Paper No. 17688.
- [12] Obstfeld, M. and K. Rogoff, 1995, Exchange rate dynamics redux, *Journal of Political Economy* 103, 624 - 660.
- [13] Obstfeld, M., and K. Rogoff, 2000, New directions for stochastic open economy models, *Journal of International Economics* 50, 117 - 153.
- [14] Schmitt-Grohé, S. and M. Uribe, 2003, Closing small open economy models, *Journal of International Economics* 61, 163 - 185.
- [15] Schmitt-Grohé, S. and M. Uribe, 2004, Optimal fiscal and monetary policy under sticky prices, *Journal of Economic Theory* 114, 198 - 230.
- [16] Schmitt-Grohe, S. and M. Uribe, 2017, Is optimal capital control policy countercyclical in open economy models with collateral constraints?, *IMF Economic Review* 65, 498 - 527.
- [17] Smets, F. and R. Wouters. 2007. Shocks and frictions in US business cycles: A Bayesian DSGE approach, *American Economic Review* 97, 586 - 606.
- [18] Stein, J.C., 2012, Monetary policy as financial-stability regulation, *Quarterly Journal of Economics* 127, 57 - 95.