

國立中山大學 106學年度第2學期 課程教學大綱

中文名稱	個體經濟學（二）			課號	ECON512
英文名稱	MICROECONOMICS(II)				
課程類別	講授類	必選修	必修	系所	經濟學研究所碩士班
授課教師	童永年			學分	3

課程大綱

1. Expected Utility
2. Introduction to the Game theory
3. Social Choice
4. implementation theorem

課程目標

The purpose of this course is to develop students' research skills for economic analysis through reviewing the basic axioms and theorems of microeconomics. First, we will deal with the world of uncertainty by introducing Von Neumann and Morgenstern's expected utility theory. Second, we analyze how people's degree of risk aversion changes their behavior. Third, some basic ideas of game theory are introduced. And finally, we will step into the world of collective decision making. This thorough training will not only provide the students much needed skills of economic analysis as aforementioned, it but also gives them the ability to solve the problems during their future career.

授課方式

講授

評分方式（評分標準及比例）等第制單科成績對照表

1. Midterm exam : 40%
2. Final exam : 40%
3. Class participation : 20%

參考書/教科書/閱讀文獻（請遵守智慧財產權觀念，不可非法影印。教師所提供之教材供學生本人自修學習使用,不得散播及做為商業用途）

1. Mas-Colell, A., Whinston, M. and Green, F.(1995) Microeconomic Theory, Oxford University Press. NY, USA
2. Osborne, M. and Rubinstein, A. (1994) A Course in Game Theory, The MIT Press, Cambridge, MA, USA

每週課程內容及預計進度

週次	日期	授課內容及主題
1	2018/02/26~2018/03/04	Holiday
2	2018/03/05~2018/03/11	Nash equilibrium; mixed strategies
3	2018/03/12~2018/03/18	Subgame perfect equilibrium
4	2018/03/19~2018/03/25	Arrow's impossibility theorem
5	2018/03/26~2018/04/01	Arrow's impossibility theorem (cont.); May's theorem
6	2018/04/02~2018/04/08	Holiday
7	2018/04/09~2018/04/15	Medium voter theorem; domain and value restrictions
8	2018/04/16~2018/04/22	Social choice rule
9	2018/04/23~2018/04/29	Midterm exam
10	2018/04/30~2018/05/06	Gibbard-Satterthwaite impossibility theorem
11	2018/05/07~2018/05/13	Gibbard-Satterthwaite impossibility theorem (cont.)

課業討論時間

系所學生專業能力/全校學生基本素養與核心能力

[illegible]

[illegible]

溝通能力。											
2.探究與批判思考能力。	V	V									
3.終身學習能力。											
4.倫理與社會責任。											
5.美感品味。											
6.創造力。											
7.全球視野。											
8.合作與領導能力。											
9.山海胸襟與自然情懷。											

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