

國立中山大學 107學年度第2學期 課程教學大綱

National Sun Yat-sen University 107Academic year Course syllabus

中文名稱 Course name(Chinese)	個體經濟學（二）			課號 Course Code	ECON512
英文名稱 Course name(English)	MICROECONOMICS(II)				
課程類別 Type of the course	講授類	必選修 Required/Selected	必修	系所 Dept./faculty	經濟學研究所碩士班
授課教師 Instructor	童永年			學分 Credit	3

因應嚴重特殊傳染性肺炎(武漢肺炎)，倘若後續需實施遠距授課，授課方式調整如下：

尚未建立傳染性肺炎(武漢肺炎)授課方式調整

因應嚴重特殊傳染性肺炎(武漢肺炎)，倘若後續需實施遠距授課，評分方式調整如下：

尚未建立傳染性肺炎(武漢肺炎)課程評分方式〔評分標準及比例〕

課程大綱 Course syllabus

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

課程目標 Objectives

The purpose of this course is to develop students' research skills on economic issues 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 Teaching methods

講授

評分方式〔評分標準及比例〕 Evaluation (Criteria and ratio)等第制單科成績對照表 [letter grading reference](#)

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

參考書/教科書/閱讀文獻 Reference book/ textbook/ documents

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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 Weekly scheduled progress

週次	日期	授課內容及主題
Week	Date	Content and topic
1	2019/02/18~2019/02/24	Expected utility theorem
2	2019/02/25~2019/03/03	Nash equilibrium; mixed strategies
3	2019/03/04~2019/03/10	Subgame perfect equilibrium
4	2019/03/11~2019/03/17	Arrow's impossibility theorem
5	2019/03/18~2019/03/24	Arrow's impossibility theorem (cont.); May's theorem
6	2019/03/25~2019/03/31	Holiday
7	2019/04/01~2019/04/07	Medium voter theorem; domain and value restrictions
8	2019/04/08~2019/04/14	Social choice rule
9	2019/04/15~2019/04/21	Midterm exam
10	2019/04/22~2019/04/28	Gibbard-Satterthwaite impossibility theorem
11	2019/04/29~2019/05/05	Gibbard-Satterthwaite impossibility theorem (cont.)
12	2019/05/06~2019/05/12	Bayesian Nash equilibrium; Auction
13	2019/05/13~2019/05/19	Bayesian Nash equilibrium; Auction (cont.)
14	2019/05/20~2019/05/26	Perfect Bayesian Nash equilibrium; Signaling game
15	2019/05/27~2019/06/02	Perfect Bayesian Nash equilibrium; Signaling game (cont.)
16	2019/06/03~2019/06/09	Mechanism design; Nash implementation
17	2019/06/10~2019/06/16	Maskin's implementation theorem
18	2019/06/17~2019/06/23	Final exam

課業討論時間 Office hours

時段1 Time period 1:
 時間 Time : 星期二1600-1800
 地點 Office/Laboratory : 社4032
 時段2 Time period 2 :
 時間 Time : 星期三1000-1200
 地點 Office/Laboratory : 社4032

系所學生專業能力/全校學生基本素養與核心能力 basic disciplines and core capabilities of the department and the university

系所學生 專業能力/ 全校學生 基本素養 與核心能力 basic disciplines and core capabilities of the department and the university	課堂活動與評量方式 Class activities and evaluation										
	1.本課程欲培養之能力與素養 This course enables students to achieve...	2.紙筆考試或測驗 Test	3.課堂討論(含個案討論) Group discussion (case analysis)	4.個人書面報告、作業、作品、實驗 Individual paper report/ assignment/ work or experiment	5.群組書面報告、作業、作品、實驗 Group paper report/ assignment/ work or experiment	6.個人口頭報告 Individual oral presentation	7.群組口頭報告 Group oral presentation	8.課程規劃之校外參訪及實習 Off-campus visit and internship	9.證照/檢定 License	10.參與課程規劃之校內外活動及競賽 Participate in off-campus/ on-campus activities and competitions	11課外閱讀 Outside reading

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※全校學生基本素養與核心能力 Basic disciplines and core capabilities of the university

1.表達與溝通能力。											
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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