

朝陽科技大學 094學年度第2學期教學大綱  
Game Theory 賽局理論

當期課號	7063	Course Number	7063
授課教師	許義忠	Instructor	HSU, YI CHUNG
中文課名	賽局理論	Course Name	Game Theory
開課單位	會計系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	<p>自1944年 von Neumann &amp; Morgenstern 的專書《賽局理論與經濟行為》(The Theory of Games and Economic Behavior)以來，賽局理論即成為科學研究中一項極為重要的分析工具。尤其是在經濟學、政治學與社會學的研究中更產生了重要的影響。本課程旨在介紹賽局理論的一般概念，並透過與經濟分析的結合使同學對經濟現象有深一層的認知。</p> <p>課程設計以理論介紹為主軸，在每一部份的理論架構下輔以經濟實例分析。課程內容大致分為三部份：一.賽局的基本概念 二.靜態賽局分析 三.動態行為分析。本課程的設計以理論為核心，有意選修之同學應具備基本數理分析（諸如簡單微積分等）能力。一般經濟學原理課程中所提及的理論與概念將大量運用在本課程分析上，因此具備這些相關知識也將有助於將來的學習與理解。</p>	Objectives	<p>Game theory is the study of the ways in which strategic interactions among rational players produce outcomes with respect to the preferences (or utilities) of those players, none of which might have been intended by any of them. The meaning of this statement will not be clear to the non-expert until each of the italicized words and phrases has been explained and featured in some examples. Doing this will be the main business of this article. First, however, we provide some historical and philosophical context in order to motivate the reader for all of this technical work ahead.</p>
教材	textbook: A Primer in Game Theory author: Robert Gibbons	Teaching Materials	
成績評量方式	midterm exam count 30%; term paper count 50%; others count 20%	Grading	midterm exam count 30%; term paper count 50%; others count 20%
教師網頁	<a href="http://www.cyut.edu.tw/~hyc">www.cyut.edu.tw/~hyc</a>		
教學內容	This course is designed to introduce game theory to those who will later construct (or at least consume) game-theoretic models in applied fields within economics.	Syllabus	This course is designed to introduce game theory to those who will later construct (or at least consume) game-theoretic models in applied fields within economics.

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