

個體經濟理論（一）課程大綱

Microeconomic Theory (I) Syllabus

系所Department	Department of Economics	必選修	必修Compulsory
課程名稱Course title	Microeconomic Theory I	學分數Credit(s)	3
課號Course Code	5105101 (section 01)	全英文授課English Taught (EMI)	Yes
學年/學期academic year/Semester	AY115 Fall	上課地點Classroom	College of Management Room 426
講授教師Instructor	徐德芬Ariel Hsu	上課時間Time	Mon/Wed 08:45-10:00
教師辦公室&諮詢時間Instructor office & office hour	Room 302 or Zoom/Google Meeting; Tue 10:00-11:00 or by Appointment	教師聯絡資訊Instructor Contact	Email: defhsu@ccu.edu.tw
助教Teaching Assistant	陳俞蓁(Room 315)	助教聯絡資訊TA contact	haileyc0316@gmail.com Office Hour: TBA
先修課程Pre-requisite courses	Intermediate level Microeconomics, at least a year of calculus training, and familiarity with constrained optimization and linear algebra.		
學習目標Learning Objective	This is an advanced level economics course that is part of the core economic theory course sequence for economics majors at CCU. The purposes of the core sequences are to teach the theoretical tools required to read economics literature, to prepare you for the field courses, and to lay the groundwork for your dissertation research.		
課程概述Course Descriptions	This is the first of two semesters of graduate level microeconomics. The syllabus below lays out the sequence of topics and associated readings. The general structure of the micro sequence is that this semester covers theories of the consumer and the firm, welfare measurements, partial equilibrium in the perfectly competitive markets, imperfect competition and market power. Next semester covers general equilibrium, social choice and welfare, game theory, uncertainty and information, and mechanism design. Minor departures from this structure may be made as appropriate.		
對應AOL職能素養(AOL Competency)	Fundamental Knowledge, Analysis and Integration, Communication and Collaboration, and Teamwork		
課程類別Course Attributes	☐ 人文關懷課程(Humanities Caring) ☐ 競賽專題課程(Competition) ☒ 問題導向課程(Problem-solving) ☐ 專題導向課程(Project-based) ☐ 實作課程(Practice-based) ☒ 總整課程(Capstone)		
教材編選Teaching materials	☒ 自製簡報(self-made PPTs) ☒ 課程講義(Teaching Notes) ☐ 自編教科書(self-made textbooks) ☐ 教學程式(programming) ☒ 自製教學影片(self-made video) ☐ 其他(Others)		
教學資源Teaching Resources	☒ 課程網站(Website) ☐ 實習網站(Intern Web) ☒ 教材電子檔供下載(Downloadable Files)		
教科書/參考書Textbooks/References	- Jehle, G.A. and P.J. Reny (JR): Advanced Microeconomic Theory, Third Edition, Pearson Education Limited (2011). - Mas-Colell, A., M.D. Whinston and J.R. Green (MWG): Microeconomic Theory, Oxford University Press (1995). - Silberberg, E. and W. Suen (SS): The Structure of Economics: A Mathematical Analysis, Third Edition, McGraw-Hill (2001). They are all required!!		

評量方式Assessment	課堂參與Attendance	10%
	作業Homework	20%
	兩次期中考平均Average of Two Midterm Exams	30%
	期末考Final Exam	25%
	報告Presentation	15%

其他說明Other description	- Attendance is required and will be part of your grade. I will use built-in tools in eCourse2 to take attendance throughout each class. Engagement in class is critical to succeeding in this course. We will not do anything in class that requires you to have a laptop or other device open. Therefore, please no electronic devices in class unless you use a device to take notes. Instead of surfing the web or answering emails, participate! - I occasionally will upload some class recordings covering some critical concepts I think worthy of emphasizing on eCourse2. Making class recordings available to students is a double-edged sword: On the one hand, many students find it useful to return to recordings to clarify certain concepts that they may have missed in class, to review and study for exams, or to watch the recordings when there was a legitimate reason to miss class. On the other hand, having recordings available can cause students to skip class and not engage with the course. We want students to have access to recordings for legitimate purposes. At the same time, the research unequivocally shows that almost all students do much better if they attend and engage with class rather than simply watch recordings. This is true even for almost all of you who don't think it is true. For this reason, we have a course attendance portion of the grade – to nudge you to come to class while enabling you to access recordings when there are good reasons to do so. Without the attendance portion of the grade, we would not be able to make course recordings available. Homework: Weekly homework problems are due by the beginning of class on Monday mornings. Parts of many of the homework problems will have been at least partially worked through in what we did in class and/or what you did in your discussion sections, but this gives you a chance to go back and make sure you understand the material at the level required to succeed on exams. You may work in groups on your homework but must write up your homework answers individually and hand them in individually via eCourse2. Exams: There are two midterms and one final exam in this class. The midterms are scheduled for October 7 and November 4. The final exam is scheduled for December 23. <u>No makeup exams will be given</u> – but students with conflicts can request to take exams early (which has to be requested at least 3 weeks before the final exam). In other words, Students with approved conflicts may request to take an exam early. Such requests must be made at least three weeks before the scheduled date of the exam. There will be review sessions held by our amazing TA to help you prepare for the exams at the classes before the exam dates. Your exams will be graded by the TA and will be available for review upon request after grading (roughly one week after the exam). There will be solution keys uploaded on eCourse2 after the exam. If you have any questions regarding the grading and the exams, please feel free to reach out to me or the TA, but no later than one week after the grades are available. Midterm Grading: There will be two midterm exams. The two midterm scores will be averaged, and this average will account for 30% of your final course grade. If you miss one midterm due to an approved excused absence, the score from the other midterm will be used for the entire 30% midterm component of your final grade. In other words, you will not be required to make up the missed midterm. Please note that this policy applies to only one missed midterm and only when the absence is officially excused. If you miss both midterms, the second missed exam cannot be waived under this policy.
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其他說明Other description (Cont.)

- **Language of Instruction:** This course is taught entirely in English. In fact, all course materials – including the textbook, homework assignments, handouts, and exams—will be in English. All of classroom instruction and discussion will also be conducted in English, particularly when using English terminology directly helps preserve the precision and meaning of economic concepts that may otherwise be lost in translation.
- **Class Meetings and Schedule Adjustments:** I take teaching seriously and will make every effort to keep this course engaging and minimize disruptions to our regular class schedule. However, there may occasionally be circumstances – such as conference or seminar participation or other academic obligations requiring travel – when I am unable to attend class in person. In such cases, I will make alternative arrangements to ensure that the course remains on schedule. Depending on the circumstances, I may (1) hold the class online via Google Meet, (2) provide a pre-recorded lecture that you can watch at a convenient time, or (3) arrange a make-up class on another date after consulting the class about availability. If a regularly scheduled class is moved online due to my travel or other academic obligations, attendance will not be taken for that class, as I recognize that not every student may have reliable access to the necessary technology or a stable internet connection during our regular class time, particularly while on campus. Any schedule changes and alternative arrangements will be announced in advance whenever possible.
- **Instructor Delay:** I make every effort to arrive on time and am very rarely late to class. In the unlikely event that I am delayed, I will notify the class as soon as possible. If 15 minutes have passed after the scheduled start time and you have not received any announcement or update from me, you may assume that class will not be held and are free to leave. No attendance penalty or other penalty will apply.
- **Severe Weather and Emergency Conditions:** In the event of a typhoon, heavy rainfall, severe weather, or other emergency conditions that make in-person attendance unsafe or impractical, the class format may be adjusted accordingly. The same procedures described under “Class Meetings and Schedule Adjustments” will apply. Depending on the circumstances, I may move the class online, provide a pre-recorded lecture, or arrange a make-up class on another date. Any changes will be announced as early as reasonably possible. Attendance will not be taken if a regularly scheduled in-person class is moved online due to severe weather or emergency conditions. Any official university or government announcement regarding class suspension or campus closure will take precedence over the arrangements described above.
- **Email:** My primary and preferred means of receiving communication is email. Please include “研究所個經” in your subject line. This will help me filter class emails. I check email frequently between the hours of 8 am-5 pm UTC+8, Monday-Friday. Rarely, I won’t respond within 48 hours, but please don’t expect instantaneous responses. I check email sporadically on weekends as I reserve that time for family as much as possible.
- **eCourse2 Announcements:** I will communicate with the class via the Announcements feature in eCourse. All students have been force-subscribed to this forum. Please read any and all announcements you receive; you are held accountable for their content.
- This syllabus is a flexible document. Minor departures from this structure may be made as appropriate. Any changes will be announced in class and posted via Announcement in eCourse2 according to student performance or school policies, etc.

課程規劃表 Course Schedule

週次 week	日期Date	內容Description	Reading Assignment	其 他 說 明 Remark
1.	9/7,9/9	Syllabus; Introduction and Review (Math Quiz)	JR:A1,A2 ; MWG:M.A-M.N; SS:1-7.	
2.	9/14,9/16	Preferences and Utility; Consumer Problem	JR:1.1,1.2 ; MWG:1A-B,3A-C / JR:1.3; SS:10.1,10.2	
3.	9/21,9/23	Indirect Utility and Expenditure; Duality Results	SS:10.3-10.6; JR:1.4-1.5; MWG:3D,E,G / JR:2.1; MWG:3F,G	Additional Reading: Cornes, R. Duality and Modern Economics, Cambridge University Press (1992): 2.1 -2.6.
4.	9/28,9/30	Welfare Evaluation	SS:11.5; MWG:3.I; JR:4.3	9/28 教師節停課
5.	10/5,10/7	Reviewing for Midterm; First Midterm	Consumer Theory	10/7期中
6.	10/12,10/14	Aggregation; Revealed Preferences and Exchange	SS:11.3; MWG:Ch4; Cornes:8.1,8.2 / SS:11.1,11.2; JR:2.3; MWG:2F,3J	Additional Reading: Varian, H. Microeconomic Analysis, 3rd edition, Norton & Co. (1992): 9.3-9.4.
7.	10/19,10/21	Integrability; Labor-Leisure Choice	SS:11.2; MWG:3H; JR:2.2; Varian:8.5 / SS:10.7	Additional Reading: Gravelle, H. and R. Rees. Microeconomics, 3rd edition, FT/Prentice Hall, 2004, Chapter 4B
8.	10/26 ,10/28	Introduction to Choice under Uncertainty	MWG, Ch.6	10/26 光復節(可能)補假
9.	11/2,11/4	Reviewing for Midterm; Second Midterm	Consumer Theory	11/4期中
10.	11/9,11/11	Production; Cost Functions	JR:3.1,3.2; Gravelle&Rees,Ch.5 / JR:3.3, 3.4; SS:8.1-8.10; MWG:5C,5D	
11.	11/16,11/18	Profit Maximization; Perfect Competition - Short Run	SS:Ch.4; JR:3.5 / JR:4.1;MWG:10A-C	

週 次week	日期Date	內容Description	教材章節Textbook	其 他 說 明Remark
12.	11/23,11/25	Entry and Exit – Long Run Equilibrium ; Monopoly and Price Discrimination	MWG: 10F,G/ JR: 4.2; Varian, Ch.14; Gravelle & Rees, Ch.9	
13.	11/30,12/2	Case Study: Return to Education; Hidden Action Moral Hazard	“Does Compulsory School Attendance Affect Schooling and Earnings?,” (with Alan Krueger), Quarterly Journal of Economics, November 1991; reprinted in Labor Economics, O. Ashenfelter, ed., Edward Elgar Publishing Ltd, 1994; Economic Demography, T.P. Schultz, ed., Edward Elgar Publishing Limited, 1997; and the Worth Series in Outstanding Contributions to Labor Economics, 1999. / Macho-Stadler&Perez-Castillo,Ch.3; JR 8.2.2; MWG 14.B	
14.	12/7,12/9	Presentation/Final Project		期末報告週
15.	12/14,12/16	Introduction to Contract Theory; Principal-Agent Problem: Base Model (Symmetric Information)	Macho-Stadler, I. and J.D. Perez-Castillo. An Introduction to the Economics of Information. 2nd Edition, Oxford University Press (2001): Ch.1 / Macho-Stadler & Perez-Castillo, Ch.2, JR 8.2.1	
16.	12/21,12/23	Reviewing for the Finals; Final Exam	Production Theory	12/23 期末
17.	12/28,12/30	Self-Contain Review		Materials TBD
18.	1/4,1/6	Self-Contain Review		Materials TBD