

Advanced Microeconomic Theory

SYLLABUS

FALL 2024

Instructor Information

Instructor: Chelsea C. Lin
Office: Humanities Bldg I. D411
Office Hours: Wed. 5-7 pm
Office Telephone: +886-3-890-5540
E-mail: clin@gms.ndhu.edu.tw

Course Description

This course is designed for first-year master students in economics. In this course, we will cover the basic topics of microeconomics including the consumer theory, the producer theory and the partial equilibrium markets. We will also venture into the theory of uncertainty and game if time is allowed.

Textbook

The following textbooks have relative strength. I will draw my lectures from the following textbooks to varying degrees.

- **Jehle, G.A. and P.J. Reny, Advanced Microeconomic Theory (3rd Edition), Addison-Wesley, 2011.
- *Luenberger, D.G., Microeconomic Theory, McGraw-Hill, 1994.
- *Varian, H.R., Microeconomic Analysis, W. W. Norton & Company, (3rd Edition), 1992.
- Mas-Colell, A., Whinston, M.D. and J.R. Green, Microeconomic Theory, Oxford University Press, 1995.

Course Websites

The course website is at Dong Hwa e-learning <http://www.elearn.>

ndhu.edu.tw/moodle/. The website will contain this syllabus (and any updates), announcements, homework, answer keys and handouts. You are required to download the class materials by yourself. Make sure you have the latest materials with you before you attend the class.

Grading Policy

Students are evaluated by the performance in quizzes (25%), two midterm exams and a final exam. The first midterm is scheduled on Oct. 16 (25%), the second midterm is scheduled on Nov. 20 (25%) and the final exam is scheduled on Dec. 25 (25%).

Important Notes

No Cheating: Cheaters will automatically fail this course. Talking during exams and/or leaving the exam room without permission are also considered cheating. Mobile phones are strictly prohibited during the exam.

No Make-up Exams: Missing exams will be severely frowned upon - you will need a substantial, truly dramatic reason, such as a severe injury or the death of an immediate family member. Official documents will have to be provided. There will be NO MAKE-UP EXAMS. Once permission is granted, the weight on your missing exam will be attributed to the other two exams.

Course Outline and Tentative Schedule

- **Week 01 (09.11):** Lecture 0: Overview
- **Week 02 (09.18):** Lecture 1: Mathematical Review
- **Week 03 (09.25):** Lecture 2: Mathematical Review II
- **Week 04 (10.02):** Lecture 3: Consumer Theory I
- **Week 05 (10.09):** Lecture 4: Consumer Theory II
- **Week 06 (10.16):** The First Midterm Exam
- **Week 07 (10.23):** Lecture 4: Consumer Theory II
- **Week 08 (10.30):** Lecture 5: Topics in Consumer Theory
- **Week 09 (11.06):** Lecture 6: Theory of the Firm
- **Week 10 (11.13):** NDHU Sports Day: No Class

- **Week 11 (11.20):** The Second Midterm Exam
- **Week 12 (11.27):** Lecture 7: Some Production Functions and Cost Functions
- **Week 13 (12.04):** Lecture 8A: Partial Equilibrium
- **Week 14 (12.11):** Lecture 8A: Partial Equilibrium
- **Week 15 (12.18):** Lecture 8B: Partial Equilibrium
- **Week 16 (12.25):** The Final Exam
- **Week 17 (01.01):** New Year's Day (Holiday)
- **Week 18 (01.08):** Review