

Microeconomic Theory I (미시경제이론 I)

Spring 2020

1. Basic Course Information

- Course number: ECON 501
- The class meets at 09:00-10:15 on Wednesdays and Fridays.
- Classroom: Political Science and Economics Building (정경관) #508

2. Instructor Information

- Instructor: Professor Wonki Cho (Department of Economics; chowonki@korea.ac.kr)
- Homepage: <https://sites.google.com/site/wonkijocho/>
- Office: Political Science and Economics Building (정경관) #330
- Office hours: 10:15-11:45 on Fridays or by appointment
- Teaching Assistant: TBA
- TA Q&A session: TBA

3. Course Overview

- **Description:** This course introduces advanced, graduate-level topics in microeconomics, including consumer theory, producer theory, and game theory.
- **Course format**
 - About 90% of each class will be devoted to lecture and the remaining 10% to Q&A sessions and discussions.
 - Lectures focus on understanding basic concepts and solving problems. Asking questions is a critical part of learning and students are strongly encouraged to do so in class.
 - The course is delivered in English.

4. Evaluation

- **Evaluation scheme:**
Mid-term exam (35%), final exam (40%), assignments (20%), participation (5%)
- **Exam dates are fixed as follows.**
 - **Mid-term exam: 9:00-11:30 a.m. on April 25, 2020**
 - **Final exam: 9:00-11:30 a.m. on June 20, 2020**
- **Requirements**
 - Check the course webpage on Blackboard on a regular basis and ensure that your email address is up to date in the system. All announcements and course material are posted there.
 - Take two exams.
 - Problem sets will be assigned roughly every three weeks, with two problem sets assigned before the mid-term exam and another two after the exam. The lecture notes uploaded to Blackboard after each class may contain further assignments. Late submissions of assignments will not be accepted.
 - “Participation” is not the same as just attending classes. It means participating in discussions and asking questions in class and office hours.
- **Grades**
 - Except in the case of wrongly entered grades, final letter grades will not be changed for any reason. In particular, a C will not be downgraded to an F.
 - Failure to take the mid-term or final exam automatically results in an F.

5. Materials and References

- **Main textbook:** Andreu Mas-Colell, Michael D. Whinston, and Jerry R. Green, 1995, *Microeconomic Theory*, Oxford University Press.
- **Other references**
 - David M. Kreps, 1990, *A Course in Microeconomic Theory*, Princeton University Press.
 - Hal R. Varian, 1992, *Microeconomic Analysis*, W.W. Norton & Company.

6. Topics To Be Covered

- Consumer theory
 - Preference, choice, and utility
 - Utility maximization
 - Expenditure minimization
 - Welfare analysis
- Producer theory
 - Profit maximization
 - Cost minimization
- Competitive equilibrium
 - Competitive equilibrium
 - Pareto optimality
- Static games of complete information
 - Nash equilibrium
 - Iterative dominance
 - Rationalizability
- Dynamic games of complete information
 - Backward induction
 - Subgame perfect equilibrium
 - Repeated games
- Static games of incomplete information
 - Bayesian equilibrium
- Dynamic games of incomplete information
 - Perfect Bayesian equilibrium
 - Sequential equilibrium

7. Classroom Decorum

- Use of mobile devices such as cell phones and laptops is restricted in class and exam.
- Do not sleep in class.