

# Econ 300A Intermediate Microeconomics

Dhongkyu Yoon

Autumn 2023

## 1 Logistics

dhongkyu@uw.edu

Tuesday, Thursday 12:30-2:20pm CHL 015

Office Hours: After class

## 2 Learning Goals

Microeconomics captures how individual economic agents – household, firm and government – make decisions and how they interact in markets.

To introduce you to the way that economists build mathematical models to understand their choices and interaction

Mathematics allows us to build precise models and to strip a model down to its important components and interactions

## 3 Prerequisites

Econ 200 and any one of: Math 112, 124, 127, 134, or 145.

Econ 200: introductory microeconomics

Math 112 level or similar: total differential, partial derivative, product rule, chain rule, maximization, minimization and first order condition

## 4 Grading

Writing Assignments: 40%

Midterm: 30%

Final: 30%

We will maintain a median grade for this course in the 2.9 - 3.1 range. (The grading policy of the Department of Economics sets the upper boundary for the Median grade at 3.1.) If the median grade for the course happens to be outside of 2.9 - 3.1 range on the preliminary grade scale, I will adjust the grade scale accordingly.

## 5 Textbook

Varian, *Intermediate Microeconomics*, 9th edition (not required)

## 6 Homework

8 weekly writing assignments due on Friday midnight

One page summary of each week's lectures

Submit through canvas

## 7 Exam

2 exams (Nov 2, Dec 7)

If you cannot come to final, your adjusted midterm score will be your final exam score

A closed book exam with writing tools and basic calculators (Not a graphing ones).

If late to an exam, you cannot get extra time after the official end of the exam.

If you need any accommodations, please contact the DRS Office directly on the first day of class, so I can make all the necessary arrangements.

Regrading will be done only if the grades are calculated incorrectly (arithmetic errors while summing up the grades)

In other cases, please submit your original copy of your exam along with one-page explanation in person where you state which questions you would like to ask for regrading and why.

Academic integrity is the cornerstone of the Department's rules for student conduct and evaluation of student learning. Students accused of academic misconduct will be referred directly to the Office of Community Standards and Student Conduct for disciplinary action pursuant to the Student Conduct Code and, if found guilty, will be subject to sanctions. Sanctions range from a disciplinary warning, to academic probation, to immediate dismissal for the Department and the University, depending on the seriousness of the misconduct. Dismissal can be, and has been, applied even for first offenses. Moreover, a grade of zero can be assigned by the instructor for the course.

## **8 Religious Accomodations**

<https://registrar.washington.edu/students/religious-accommodations-request/>

## 9 Topics

### *Theory of Consumer*

Week 1 Introduction, Budget constraint

- Chapter 1 & 2
- HW1

Week 2 Preference, Utility, Choice

- Chapter 3 & 4 & 5
- HW2

Week 3 Demand, Slutsky Equation

- Chapter 6 & 8
- HW3

Week 4 Market Demand, Equilibrium, Welfare Analysis

- Chapter 15 & 16 & 14
- HW4

Week 5 Review and Midterm (Nov 2)

### *Theory of the firm*

Week 6 Technology, Profit Maximization, Cost Minimization

- Chapter 19 & 20 & 21
- HW5

Week 7 Cost Curves, Firm Supply, Industry Supply

- Chapter 22 & 23 & 24
- HW6

### *Theory of the Market*

Week 8 Monopoly and Monopoly behavior

- Chapter 25 & 26
- HW7

Week 9 Oligopoly and Game Theory

- Chapter 28 & 29 & 3
- HW8

Week 10 Review and Final (Dec 7)