



0201E350

Intermediate Microeconomics

Instructor: TBA

Time: May 17, 2027 - June 18, 2027

Office Hours: by appointment

Contact Hours: 60 (50 minutes each)

Credits: 4

Email: TBA

Course Description

This course builds on the fundamentals learned in Introduction to Microeconomics. By the end of the course, students will be able to analyze a wide variety of economic problems and understand why societies use certain tools and the limitations of those tools for economic analysis. Moreover, the tools developed in this course are very useful for upper division economics courses. Topics we will cover include behavior of households, firms and industries under competitive and monopolistic condition; factors that influence production, price, and other decisions of the firm; application of the theory of economic efficiency and distribution of well-being.

Course Goals

By the end of the course, students will be able to:

- Analyze consumer behavior using utility maximization, budget constraints, and demand functions.
- Explain firm behavior through production functions, cost minimization, and profit

maximization.

- Evaluate market outcomes under perfect competition, monopoly, monopolistic competition, and oligopoly.
- Apply calculus-based optimization techniques to solve economic problems (e.g., constrained maximization, marginal analysis).
- Interpret and construct economic graphs (indifference curves, isoquants, cost curves, demand/supply shifts) to illustrate key mechanisms.
- Translate between mathematical, graphical, and verbal economic arguments.
- Analyze strategic interactions using game theory concepts such as Nash equilibrium and dominant strategies.
- Evaluate pricing strategies (price discrimination, nonlinear pricing, bundling) in markets with market power.
- Understand factor markets and derive labor and capital demand decisions.
- Assess economic efficiency and welfare using concepts such as consumer surplus, producer surplus, and deadweight loss.
- Evaluate the impact of government interventions (taxes, subsidies, price controls, regulation) on market outcomes.
- Analyze externalities and public goods, including policy tools for correcting market failures.
- Apply microeconomic models to real-world issues, including business strategy, public policy, and global economic challenges.
- Critically evaluate assumptions underlying economic models and discuss their limitations.
- Communicate economic reasoning clearly in written, graphical, and quantitative forms.

Course Prerequisites and Course Requirements

0201E101 Microeconomics, 0201E102 Macroeconomics and 0701M110 Calculus I.

Knowledge of multivariate calculus

An understanding of Algebraic rules, including the Exponent rules

Required Textbook(s)

Reading materials will be provided by the course instructor.

Course Outline

Please note that the outline is meant to give an overview of the major concepts in this course. Changes may occur as needed to aid in the student's development.

Module 1: Overview and Supply and Demand

Chapter 1: Preliminaries

Chapter 2: The Basics of Supply and Demand

Problem Set 1: Chapter 1&2

Module 2: Basic Consumer Theory

Ch 3: Consumer Behavior

Ch 4: Individual and Market Demand

Problem Set 2: Chapter 3&4

Module 3: Basic Production Theory

Ch 6: Production

Ch 7: The Cost of Production

Problem Set 3: Chapter 6&7

Module 4: Firm Behavior in Markets

Ch 8: Profit Maximization and Competitive Supply

Ch 9: The Analysis of Competitive Markets

Problem Set 4: Chapter 8&9

Midterm Exam

Module 5: The Effects of Market Power

Ch 10: Market Power: Monopoly and Monopsony

Ch 11: Pricing with Market Power

Problem Set 5: Chapter 10&11

Module 6: Imperfect Competition

Ch 12: Monopolistic Competition and Oligopoly

Ch 13: Game Theory and Competitive Strategy

Problem Set 6: Chapter 12&13

Module 7: Factor Markets and Environmental Economics

Ch 14: Markets for Factor Inputs

Ch 18: Externalities and Public Goods

Problem Set 7: Chapter 14&18

Final Exam

Grading Policy

Your grade will be based on problem sets, assignments, and exams.

Type	Details	Percentage
Problem Sets	7 Problem Sets	40%
Exams	2 exams	60%
Total		100%

Grading Scale

The instructor will use the grading system as applied by JNU:

Definition	Letter Grade	Score
Excellent	A	90~100
Good	B	80~89
Satisfactory	C	70~79
Poor	D	60~69
Failed	E	Below 60

Academic Integrity

As members of the Jinan University academic community, students are expected to be honest in all of their academic coursework and activities. Academic dishonesty, includes (but is not limited to) cheating on assignments or examinations; plagiarizing, i.e., misrepresenting as one's own work any work done by another; submitting the same paper, or a substantially similar paper, to meet the requirements of more than one course without the approval and consent of the instructors concerned; or sabotaging other students' work within these general definitions. Instructors, however, determine what constitutes academic misconduct in the courses they teach. Students found guilty of academic misconduct in any portion of the academic work face penalties that range from the lowering of their course grade to awarding a grade of E for the entire course.