



# ECON 511 Advanced Microeconomics I Module 1, 2019

## Course Information

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Office Hours: TBA

**Teaching Assistant: TBA**

TA office hours will be announced regularly on the course website.

**Classes:**

Lectures: Monday & Thursday, 10:30-12:20

Venue: TBA

**Course Website:**

[cms.phbs.pku.edu.cn](http://cms.phbs.pku.edu.cn)

## 1. Course Description

### 1.1 Context

Course overview: This is the first course in the Advanced Microeconomics sequence. The aim of this course is to teach the analytical methods of mainstream economic theory at a more advanced, technical level than intermediary courses. We will cover choice theory, consumer theory, producer theory, choice under uncertainty, etc. At the end of this course, you will acquire the basic knowledge of modern microeconomic theory, the ability to apply the theoretical tools to other economic issues, and the skill to build your own economic model.

Prerequisites: Basic knowledge and understanding of undergraduate-level microeconomics is necessary. Basic knowledge of Calculus, Linear Algebra, and Probability Theory is required.

### 1.2 Textbooks and Reading Materials

There is no required textbook. I will use the following textbook as the main reference.

Advanced Microeconomic Theory (2011), 3rd Ed., Jehle & Reny, Prentice Hall.

Microeconomic Theory (1995), Mas-Colell, Whinston & Green, Oxford University Press.

There are several other textbooks that might be useful for your reference.

Microeconomic Analysis (1992), Varian, W. W. Norton & Company.

Mathematics for Economists (1994), Simon & Blume, W. W. Norton & Company.

## 2. Learning Outcomes

### 2.1 Intended Learning Outcomes

Learning Goals	Objectives	Assessment
1. Our graduates will be effective	1.1. Our students will produce quality business and research-oriented documents.	Y

communicators.	1.2. Students are able to professionally present their ideas and also logically explain and defend their argument.	Y
2. Our graduates will be skilled in team work and leadership.	2.1. Students will be able to lead and participate in group for projects, discussion, and presentation.	
	2.2. Students will be able to apply leadership theories and related skills.	
3. Our graduates will be trained in ethics.	3.1. In a case setting, students will use appropriate techniques to analyze business problems and identify the ethical aspects, provide a solution and defend it.	
	3.2. Our students will practice ethics in the duration of the program.	
4. Our graduates will have a global perspective.	4.1. Students will have an international exposure.	
5. Our graduates will be skilled in problem-solving and critical thinking.	5.1. Our students will have a good understanding of fundamental theories in their fields.	Y
	5.2. Our students will be prepared to face problems in various business settings and find solutions.	Y
	5.3. Our students will demonstrate competency in critical thinking.	Y

## 2.2 Course specific objectives

The students are expected to understand typical economic models in consumer theory, producer theory, market equilibrium, decision under uncertainty, etc. They are also expected to build their own models to analyze similar problems.

## 2.3 Assessment/Grading Details

Problem sets will be assigned after each major topic. Final grades will be based on a midterm (X) and a final exam (Y) and determined by  $\max\{0.4X+0.6Y, Y\}$ .

## 2.4 Academic Honesty and Plagiarism

It is important for a student's effort and credit to be recognized through class assessment. Credits earned for a student work due to efforts done by others are clearly unfair. Deliberate dishonesty is considered academic misconducts, which include plagiarism; cheating on assignments or examinations; engaging in unauthorized collaboration on academic work; taking, acquiring, or using test materials without faculty permission; submitting false or incomplete records of academic achievement; acting alone or in cooperation with another to falsify records or to obtain dishonestly grades, honors, awards, or professional endorsement; or altering, forging, or misusing a University academic record; or fabricating or falsifying of data, research procedures, or data analysis.

All assessments are subject to academic misconduct check. Misconduct check may include reproducing the assessment, providing a copy to another member of faculty, and/or communicate a copy of this assignment to the PHBS Discipline Committee. A suspected plagiarized document/assignment submitted to a plagiarism checking service may be kept in its database for future reference purpose.

Where violation is suspected, penalties will be implemented. The penalties for academic misconduct may include: deduction of honour points, a mark of zero on the assessment, a fail grade for the whole course, and reference of the matter to the Peking University Registrar.

For more information of plagiarism, please refer to PHBS Student Handbook.

### **3. Topics, Teaching and Assessment Schedule**

Mathematics Review

Consumer Theory

Producer Theory

Market Equilibrium

Choice under Uncertainty