

Course Syllabus



國際商學院
INTERNATIONAL BUSINESS SCHOOL

Intermediate Microeconomics

中级微观经济学

Course Details

Course Title	Intermediate Microeconomics
Credit Hours	2
Semester & Year	Fall Semester, 2021-2022
Pre-requisites	Principles of Economics, Calculus, Linear Algebra, Probability Theory

Contact Hours

Class Type	Days	Time	Classroom
Lecture	Tuesday	19:30 pm to 21:20 pm	西院综合楼309

Instructor details

Instructor	Xiaokuai Shao
Email	shaoxiaokuai@bfsu.edu.cn

Course Introduction

Intermediate microeconomics is a bridge between principles of microeconomics and advanced microeconomics. The course presents basic theories of microeconomics and its applications. Covered topics include

- Competitive market: consumer theory, production technology, general equilibrium and welfare;
- Imperfect competition: monopoly, game theory, oligopoly and strategic behavior;
- Asymmetric information: preliminaries on price discrimination.

The economic modeling methods and analytical tools are emphasized throughout the course, especially for the “tricky” part of the analysis.

Course Objectives

This course is guided by Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era. By taking this course, students will acquire knowledge and skills while cultivating integrity and wisdom. Besides, students will understand and practice the core values of Chinese socialism, and learn to combine personal fulfillment with social and national development.

The purpose of this course is to make students well trained and proficient in systematically calculating and proving the technical issues in microeconomics. Students will be trained to be competent in learning more advanced courses in economics, e.g., applying graduate schools.

1	Students should acquire how to derive and prove the theoretical models in microeconomics, including consumer choices, production decisions and strategic behavior among agents.
2	Students should be able to use calculus, linear algebra and probability theories to explain basic theories in microeconomics and apply them to understand real-world economics.
3	After learning this course, students should be trained and equipped with methods that can be used to challenge the advanced economics for the graduate level.

Teaching Methodology

This course will be taught primarily by lectures. In addition to follow the lecture notes/slides, detailed calculations and mathematical proofs will be derived by hand-writings on blackboard. Challenging examples and exercises that are not directly mentioned in the textbook will be provided in class. For each topic, some homework assignments are provided and students should derive the results by themselves using the mathematical technics learned in class as exercises.

Course Materials and Readings

We are using the following eText:	
1	Xi Jinping. (2014). <i>The Governance of China</i> . Volume I. Beijing: Foreign Languages Press.
2	Xi Jinping. (2017). <i>The Governance of China</i> . Volume II. Beijing: Foreign Languages Press.
3	Primary Textbook
	Nicholson, Walter, and Christopher M. Snyder. <i>Microeconomic Theory: Basic Principles and Extensions</i>. Nelson Education, 2012.
4	Supplemental Readings
	Varian, Hal R. <i>Intermediate Microeconomics: A Modern Approach</i> .

Course Outline

Week	Date			Topic	Reading	Activity
1	T	1	7-Sep	Introduction to intermediate microeconomics; Preliminaries	Nicolson Ch2	
2	T	2	14-Sep	Consumer theory I: preference and utility	Nicolson Ch3	
3	T	3	21-Sep	Mid-autumn day		
4	T	4	28-Sep	Consumer theory II: utility maximization	Nicolson Ch4	

5	T	5	9-Oct	Consumer theory II: expenditure minimization & duality	Nicolson Ch4
6	T	6	12-Oct	Consumer theory III: Slutsky equation	Nicolson Ch5
7	T	7	19-Oct	Consumer theory III: income and substitution effects	Nicolson Ch5
8	T	8	26-Oct	Firm theory I: production and profit maximization	Nicolson Ch7 & 9
9	T	9	2-Nov	Firm theory II: cost minimization	Nicolson Ch8
10	T	10	9-Nov	Mid-term Exam	
11	T	11	16-Nov	Competitive market I: partial equilibrium	Nicolson Ch10
12	T	12	23-Nov	Competitive market II: general equilibrium and welfare	Nicolson Ch11&12
13	T	13	30-Nov	Imperfect competition I: monopoly and price discrimination	Nicolson Ch13
14	T	14	7-Dec	Imperfect competition II: game theory	Nicolson Ch15
15	T	15	14-Dec	Imperfect competition III: oligopoly	Nicolson Ch14
16	T	16	21-Dec	Final Exam	
17				Exam Week	

Assessments

A. Class Attendance & Homework Assignments

10%

Class attendance will not be counted into the final grade. However, those whose attendance rate below 2/3 are not allowed to participate into the final exam.

Homework questions are announced in class (if any), and students should hand in their work in the next class. Students get full credits in homework assignment if they complete all questions and hand in on time. Discussions among classmates are allowed. Class attendance is included into this assessment since homework questions are based on lecture notes, i.e., typically the extensions or unfinished part of the derivations, calculations, or proofs.

Please hand in your assignments via <https://bb.bfsu.edu.cn/> (if the system does not work, please send your assignments to my email: shaoxiaokuai@bfsu.edu.cn)

B. Midterm Exam

40%

Midterm exam covers the topics that are discussed before “competitive market”. It is a closed-book exam. The questions are similar to the ones discussed in lecture notes and homework assignments. The questions are mathematical calculations and proofs. Each student should hand in his/her answer individually.

C. Final Exam*50%*

Final exam covers the topics that are discussed throughout the entire semester with an emphasis in the topics discussed after the mid-term. It is a closed-book exam. The questions are similar to the ones discussed in lecture notes and homework assignments. The questions are mathematical calculations and proofs. Each student should hand in his/her answer individually.

Total**100%**

课程教学大纲（2020-2021 学年第一学期）

课程名称: **Intermediate Microeconomics** 中级微观经济学

授课教师: 邵小快

电子邮箱: shaoxiaokuai@bfsu.edu.cn

授课对象: 大三本科生

授课时间: 周二 11-12 节

授课地点: 西院综合楼 309

答疑时间: 微信群/邮件/BB

办公地址: 国际商学院 506

一、教学目的

本课程以习近平新时代中国特色社会主义思想为指导, 将立德树人贯彻到高校课堂教学全过程、全方位、全员之中, 推动思政课程与课程思政协同前行、相得益彰。在传授课程知识的基础上使学生牢固树立并践行社会主义核心价值观, 引导学生将所学到的知识和技能转化为内在德性和素养, 注重将学生个人发展与社会发展、国家发展结合起来。课程具体目标如下:

- 知识目标:** 通过学习, 要求学生在掌握经济学原理的基础上, 进一步系统掌握微观经济学基础理论严格的数学推导与证明, 包括最优选择及其充分条件和比较静态, 使其具备学习研究生阶段高级微观经济学的基础。具体内容包括
 - 竞争性市场: 消费者理论、生产者理论、局部均衡和一般均衡
 - 不完全竞争市场: 垄断、博弈论和策略性行为、寡头竞争
 - 信息不对称: 价格歧视
- 能力目标:** 通过学习, 要求学生具备使用微积分、线性代数和概率统计等数学工具证明并推导微观经济学的基础模型, 并具备一定阅读经济学理论论文的能力。本课程在数学上具有一定的技术难度, 通过挑战性训练, 提高并夯实学生的经济学理论功底。
- 素质目标:** 本课程为高年级本科生提供进阶式训练, 使其具备进一步深造 (包括出国或考研) 的基础以及将理论应用到实践的能力。

二、教学内容及安排

注: 课程内容及安排中如涉及“习近平新时代中国特色社会主义思想或《习近平谈治国理政》(多语种版本)”的有关内容, 请在表格的“教学内容”中明确予以体现:

教学周	日期	教学内容	作业
1	9.7	课程介绍; 数学知识复习	发布于 https://bb.bfsu.edu.cn/
2	9.14	消费者理论 I: 偏好与效用	
3	9.21	中秋节	
4	9.27	消费者理论 II: 效用最大化	
5	10.9	消费者理论 II: 支出最小化与对偶性	
6	10.12	消费者理论 III: 斯勒茨基恒等式	
7	10.19	消费者理论 III: 替代与收入效应	
8	10.26	企业理论 I: 生产函数与利润最大化	
9	11.2	企业理论 II: 成本最小化与条件要素需求	
10	11.9	期中随堂测试	
11	11.16	竞争性市场 I: 局部均衡理论	

12	11.23	竞争性市场 II：一般均衡与福利经济学	
13	11.30	不完全竞争市场 I：垄断与价格歧视	
14	12.7	不完全竞争市场 II：博弈论引论	
15	12.14	不完全竞争市场 III：寡头竞争理论	
16	12.21	随堂期末考试	
17	考试周		
18	考试周		

三、教学要求（为实现本课程教学目标，教师对学生的学习和纪律要求，包括课前、课中及课后要求）

学生应具备一定的微积分、线性代数和概率统计的基础。本课程不强制学生出勤，但作业内容通常取决于课堂上的数学推导过程（以板书为主）。学生应在课下勤练习，手动计算并推导证明过程。

课程网站：<https://bb.bfsu.edu.cn>。对于因疫情导致无法线下上课的情形（如前几周无法及时返校的同学），本课程会视情况使用腾讯会议录制课程并上传到网络学堂。腾讯会议地址为：会议 ID：360 5867 4826；会议密码：309309

四、采用教材

（一）必读书目：

1. 《习近平谈治国理政》（第一卷、第二卷），外文出版社。版本可为中文版或相应外语语种版本。

2. **Nicholson, Walter, and Christopher M. Snyder. Microeconomic Theory: Basic Principles and Extensions. Nelson Education, 2012. (中英文版本均可)**

（二）推荐书目：

Varian, Hal R. Intermediate Microeconomics: A Modern Approach.

五、考核方式（需明确说明课程成绩各组合部分的百分比以及迟到、旷课、请假、迟交作业等相关政策和扣分原则；考核方式考虑形成性评价与终结性评价相结合）

学生的成绩将包含以下部分：

1. 出勤与作业: 10%

学生出勤不直接计算在总评成绩中。但出勤次数少于 2/3 的同学不能参加期末考试。

作业随堂布置，下次课提交。每次按时并完整写完作业可获得全部分数，否则酌情扣分。

允许并鼓励同学们在课下讨论作业并一起练习。但作业必须以个人名义提交，且不能抄袭。

2. 期中考试: 40%

闭卷考试，涵盖消费者和企业理论。主要题型是计算与证明，与课堂讲授的例子和作业类似。允许携带最多不超过一张 A4 纸大小的资料。

3. 期末考核: 50%

闭卷考试，涵盖整个学期讲授的内容，并以期中之后讲授的内容为重点。主要题型是计算与证明，与课堂讲授的例子和作业类似。允许携带最多不超过一张 A4 纸大小的资料。