高级微观经济学
Advanced Microeconomics I

Wuhan Unviersity

Fall, 2022

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Office Hours: By Appointment

Class Room: 1 区枫 - 204
Class Hours: Monday 14:05 - 16:30 (6 - 8 节)
Duration: September 5 - December 19 (Week 1 - 16)

Course Description

This course provides first-year masters students with foundation knowledge in advanced microeconomic theory. In particular, the course focuses on essential concepts and necessary analytical tools for consumer and firm decision-making.

Course Materials

- Textbook: Microeconomic Theory, MasCollel, A., M.D. Whinston, and J.R. Green, Oxford, 1995

    - This course covers Chapter 1, 2, 3, 5

- Course Website: https://xhu.github.io/teaching/micro2022

Assessments

The grade will count the assessments using the following proportions:

- Problem sets: 12%

    - There will be one assignment for each chapter (4 assignments in total).
    - Problems sets will be graded based on effort but not accuracy.

- Final Exam: 88%

    - Week 16 (Exact Date and Venue to be announced later)
    - Closed-book exam

Schedule

The schedule is tentative and subject to change.

Week 01, 09/05 :   Chapter 1: Preference Relations, Choice Rules

Week 02, 09/12 :   Chapter 1: Relationship between Preference Relations and Choice Rules

Week 03, 09/19 :   Chapter 2: Commodities, Consumption Set, Competitive Budget

Week 04, 09/26 :   Chapter 2: Demand Functions and Comparative Statics

- Assignment 1 Due 09/25

Week 05, 10/03 :   No Class (National Day Holiday)

Week 06, 10/10 :   Chapter 2: Weak Axiom of Revealed Preference and Law of Demand

Week 07, 10/17 :   Chapter 3: Preference Relations: Basic Properties, Preference and Utility

Week 08, 10/24 :   Chapter 3: Utility Maximization Problem (UMP), Math Revision

- Assignment 2 Due 10/23

Week 9, 10/31 :   Chapter 3: UMP, Expenditure Minimization Problem (EMP)

Week 10, 11/07 :   Chapter 3: Duality, Relationship between Demand, Indirect Utility, and Expenditure Functions

Week 11, 11/14 :   Chapter 5: Production Sets

Week 12, 11/21 :   Chapter 5: Profit Maximization and Cost Minimization

- Assignment 3 Due 11/20

Week 13, 11/28 :   Chapter 5: Geometry of Cost and Supply in Single-Output Case, Aggregation

Week 14, 12/05 :   Chapter 5: Efficient Production, Remarks on the objectives of the Firm

Week 15, 12/12 :   Tutorial on Assignments, Revision

- Assignment 4 Due 12/11

Week 16, 12/19 :   Final Exam