



**Course Outline**  
**EE211 PRINCIPLES OF MICROECONOMICS**  
**Semester 2/2023**

**Class Time and Logistic**

**Class day:** Thursday

**Class time:** 09.00-12.00 hours

**Venue:** 206

**Teaching Materials Platform:** Google Classroom: [5dim3dy](#)

**Instructor:**

**Name:** Chanon Techasunthornwat

**Office Hours:** Room 453, Tue 13.30-15.00 hrs., or appointment via email

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**Number of credits:** 3 credits (3-0-6)

**Prerequisites:**

For economics major students or students aimed to transfer to economics major only.

**Course Description:**

Principles of microeconomics such as value, price, resource allocation, introduction to theories of consumption and production with an emphasis on factors determining supply and demand of goods and services, determination of price and efficiency of resource allocation in perfect and monopoly markets; competitive factor market and introductory concepts of market failures.

**Course Objectives:**

After completing this course, students should have developed a range of skills enabling them to understand economic concepts and use those concepts to analyze specific questions.

By the end of this course, students should be able to:

- Understand the concept of opportunity cost
- Understand market forces of supply and demand

- Understand the concept of elasticities
- Understand the concept of consumer and producer surpluses
- Understand consumer behavior.
- Understand firm behavior in perfectly competitive and in monopoly structure.
- Analyze different types of market structures (a competitive market Vs. Monopoly).
- Understand how to apply economic principles to a range of policy questions.

Students should also have the skills needed to:

- Use supply and demand diagrams to analyze the impact of overall changes in supply and demand on price and quantity.
- Calculate producer and consumer surplus.
- Solve a consumer's utility maximization problem mathematically and graphically; analyze the impact of changes in price and income on a consumer's decision via shifting income and substitution effects.
- Solve a firm's cost minimization problem mathematically and graphically.
- Analyze the behavior of firms in a perfectly competitive market in the short-run and the long-run.
- Analyze the behavior of firm in a monopoly and calculate the resulting changes in producer or consumer surplus.
- Use economic tools to analyze economic policies.

### Expected Learning Outcomes:

#### 1. Morality and Ethics

| Applicability | Expected Learning Outcomes   |
|---------------|--|
| ●             | 1.1 Students demonstrate integrity.  |
| ○             | 1.2 Students prioritize social and public benefits over personal ones.                                 |
| ●             | 1.3 Students are punctual and comply with the code of conduct of the institution and society at large. |
| ○             | 1.4 Students are responsible and accountable to society, the nation, and the subject of economics.     |
| ○             | 1.5 Students realize the cultural and environmental value of the sustainable society.                  |

#### 2. Knowledge

| Applicability | Expected Learning Outcomes   |
|---------------|--|
| ●             | 2.1 Students know and understand modern economics principles and theories, and are up to date with new developments.   |
| ●             | 2.2 Students know and understand Thai and global economic structure, and the importance of major international economic events.  |
| ●             | 2.3 Students know and understand instruments of economic analysis.   |
| ●             | 2.4 Students know and understand applied fields in economics, including monetary, public, international, business, natural resource and environmental, industrial, agricultural, cooperative, political, developmental, and entrepreneurial economics as well as agribusiness. |
| ○             | 2.5 Students are informed about related fields including sociology, business administration, education, law policy, and science.   |

### 3. Intellectual Development

| Applicability | Expected Learning Outcomes  |
|---------------|---|
| ●             | 3.1 Students have developed individual critical thinking.   |
| ●             | 3.2 Students are sufficiently trained in research skills.   |
| ●             | 3.3 Students demonstrate an ability to analyze and synthesize data, as well as appropriately integrate economics concepts to understand causes of current economic problems in Thailand. Based on analysis and synthesis, students demonstrate an ability to propose policy guidelines to resolve problems. |

### 4. Interpersonal Skills and Responsibilities

| Applicability | Expected Learning Outcomes  |
|---------------|---|
| ●             | 4.1 Students are responsible for assigned tasks and work in groups effectively.           |
| ○             | 4.2 Students have problem-solving skills.   |
| ○             | 4.3 Students show leadership skills and team spirit.                                      |
| ●             | 4.4 Students are always improving themselves.   |
| ○             | Students have good interpersonal skills, adapting and working under different conditions. |

### 5. Quantitative Analysis, communication and information technology

| Applicability | Expected Learning Outcomes  |
|---------------|---|
| ○             | 5.1 Students select and apply appropriate statistical and mathematical methods for data processing, interpretation, conclusions, and recommendations to resolve problems. |
| ○             | 5.2 Students communicate effectively and select appropriate presentation methods.   |
| ○             | 5.3 Students use information and communication technologies appropriately to gather data as well as process, interpret, and present results.                              |

Remark: ● Primary expected outcome ○ Secondary expected outcome

#### Textbooks:

Perloff, Jeffrey M. *Microeconomics*. 9<sup>th</sup> ed. Pearson Education, 2023—Earlier editions are applicable.  
**[Perloff]**

#### Recommended Materials:

CORE Econ, *The Economy 2.0: Microeconomics*, <https://www.core-econ.org/project/the-economy-2-0-microeconomics/> **[CORE]**

#### Evaluation:

|  |                   |
|--|-------------------|
| Midterm Exam ( <i>Tuesday, February 27, 2024, 12.00-14.00 hrs.</i> ) | 30 points         |
| Final Exam ( <i>Thursday, May 9, 2024, 13.30-16.30 hrs.</i> )        | 40 points         |
| Assignments and homework   | 20 points         |
| Participation  | 10 points         |
| <b>Total</b>   | <b>100 points</b> |

## Study Plan:

The class schedule shown below may be adjusted during the semester as needed.

| Topic   | Date                      | Topics   | Text & Materials      |
|---|---------------------------|--|-----------------------|
| #1: <b>Introduction to Microeconomics</b>       | 9 Jan<br>(1 session)      | <ul style="list-style-type: none"> <li>○ What is Microeconomics all about?</li> <li>○ Models</li> <li>○ Use of Microeconomic Model</li> </ul>  | Perloff, Ch.1         |
| #2: <b>Demand, Supply, and Equilibrium</b>      | 16-23 Jan<br>(2 sessions) | <ul style="list-style-type: none"> <li>○ Demand</li> <li>○ Supply</li> <li>○ Market Equilibrium</li> <li>○ Shocking the Equilibrium</li> <li>○ Government Interventions</li> <li>○ Assumptions of the Demand-and-Supply Model</li> </ul> | Perloff, Ch.2         |
| #3: <b>Applying the Demand-and-Supply Model</b> | 30 Jan<br>(1 session)     | <ul style="list-style-type: none"> <li>○ Shapes of Demand and Supply Curves</li> <li>○ Elasticity of Demand Curve</li> <li>○ Elasticity of Supply Curve</li> <li>○ Policy Effects</li> </ul>   | Perloff, Ch.3         |
| #4: <b>Consumer Theory</b>                      | 6, 13 Feb<br>(2 sessions) | <ul style="list-style-type: none"> <li>○ Preferences</li> <li>○ Utility</li> <li>○ Budget Constraints</li> <li>○ Constrained Consumer Choice</li> </ul>  | Perloff, Ch.4         |
| #5 <b>Applying Consumer Theory</b>              | 20 Feb<br>(1 session)     | <ul style="list-style-type: none"> <li>○ Deriving Demand Curve</li> <li>○ Income Effects</li> <li>○ Price Effects</li> <li>○ Labour Supply Curve</li> </ul>  | Perloff, Ch.5         |
| <b>Midterm Exam</b>                             |                           |  |                       |
| #6: <b>Firm and Production</b>                  | 5, 12 Mar<br>(2 sessions) | <ul style="list-style-type: none"> <li>○ Types of Firms</li> <li>○ Production</li> <li>○ Short-/Long-Run Production</li> <li>○ Returns to Scale</li> <li>○ Productivity and Technological Change</li> </ul>                              | Perloff, Ch.6         |
| #7: <b>Costs</b>                                | 19 Mar<br>(1 session))    | <ul style="list-style-type: none"> <li>○ Nature of Costs</li> <li>○ Short-/Long-Run Costs</li> <li>○ Producing Multiple Goods: Production Frontier</li> </ul>  | Perloff, Ch.7         |
| #8: <b>Competitive Firms and Markets</b>        | 26 Mar<br>(1 session)     | <ul style="list-style-type: none"> <li>○ Perfect Competition</li> <li>○ Profit Maximization</li> <li>○ Short-/Long-Run Competition</li> </ul>  | Perloff, Ch.8         |
| #9: <b>Applying the Competitive Model</b>       | 2 Apr<br>(1 session)      | <ul style="list-style-type: none"> <li>○ Profit in the Long Run</li> <li>○ Consumer/Producer Welfare</li> <li>○ Competition Maximizes Welfare</li> <li>○ Policies and Welfare</li> </ul>   | Perloff, Ch.9         |
| #10: <b>Monopoly</b>                            | 9 Apr<br>(1 session)      | <ul style="list-style-type: none"> <li>○ Monopoly Profit Maximization</li> <li>○ Market Power</li> <li>○ Causes of Monopoly</li> </ul>   | Perloff, Ch.11        |
| #11: <b>Factor Markets</b>                      | 23 Apr<br>(1 session)     | <ul style="list-style-type: none"> <li>○ Competitive Factor Market</li> <li>○ Monopsony</li> </ul>   | Perloff, Ch.15        |
| #12: <b>Market Failures</b>                     | 30 Apr<br>(1 session)     | <ul style="list-style-type: none"> <li>○ Market Failure <ul style="list-style-type: none"> <li>▪ Monopoly Power</li> <li>▪ Public Goods</li> <li>▪ Externalities</li> <li>▪ Asymmetric Information</li> </ul> </li> </ul>                | Perloff, Ch.11, 18-20 |