Course Title: ECO 384 Intermediate Microeconomics Theory

Term: Fall 2022

Instructor: TBA

Course Credit: 3

Mode of Instruction: Online

Course Description:

This class introduces the theory and applications of behavior of consumers, firms, and resource suppliers. Partial equilibrium analysis of various market structures and introduction to intertemporal choice and capital theory will be covered. In this course, we will also discuss classic works in microeconomic theory. In addition, topics will include the short-run and the long-run, industry equilibrium.

Course Prerequisites:

MAT 136 Calculus I; MAT 137 Calculus II

Learning Outcomes:

By the end of the course, the student should be able to:

A. Using economic theory to understand and evaluate policy proposals.

B. Master microeconomic theory to a level that enables students to critically analyze research articles published in leading applied economic theory journals.

C. Know the methods of microeconomic theory that, in conjunction with other core classes, will provide the foundation for independent research in many fields of economics.

Course Material:

Walter Nicholson and Christopher Snyder, Microeconomic Theory – 11th Edition, Southwestern Editors.

Evaluation:

- Assignments [20%]
- Quizzes [20%]
- Mid-term Exam [25%]
- Final Exam [35%]

Description of the Evaluation tasks:

Assignment/ Essay/ ... : During the term, students will be required to finish several evaluation tasks within due date. All the tasks are linked with specific course topics/outcomes and will adequately assess students' competence and learning outcomes. Students are encouraged to meet with instructor about these tasks at any point.

Mid-term/ Final Exams/ Quiz/... : There may be periodic quizzes given at the beginning of lecture sessions; the feedback from these quizzes will monitor the progress of the learners and help to set learning priorities. There will be mid-term exam/ final exam for the course. They are the basic criteria for the evaluation of students' learning outcomes and final grade.

Grading Policy:

Students are supposed to finish each online lecture. Prior to each class, students should finish the required readings. During the class time, students are encouraged to make use of all relevant online course resources and communicate with the instructor. Students' grades are accumulated based on the cumulative evaluations.

Students' letter grade will be assigned according to the following scale:

A+ 90-100	A 85-89	A- 80-84
B+ 77-79	B 73-76	B- 70-72
C+ 67-69	C 63-66	C- 60-62
D+ 57-59	D 53-56	D- 50-52
F < 50		

Academic Integrity:

Students must strictly adhere to the university's academic integrity rule; and all essays, exams and any other form of academic assignments must adhere to these rules. Any form of plagiarism, cheating, or misappropriation of materials will be considered a violation of academic integrity and will be punishable by the university.

Withdrawal from the Course(s):

Students will be able to apply for a transfer or withdrawal within 3 days of the starting date of the course. If a withdrawal is applied for within 3 working days, the tuition fee will be fully refunded. After 3 days, the tuition fee will not be refunded. If a withdrawal is applied for in the first two weeks, it will be recorded as W (Withdraw) on the course transcript. After this initial two-week period, the class will be recorded as F (Fail).

Tentative Schedule:

Week 1	
1	Course Introduction
2	Mathematical Background
3	Motivation and Maximization in One Variable
4	Maximization in Several Variables Implicit Function Theorem **Quiz 1**
5	Concavity and Convexity

Week 2	
6	Producer Theory
7	Production Functions Isoquants Returns to Scale
8	Two-Step Cost Minimization Total, Average, Marginal Costs Supply Function **Assignment 1**
9	Geometry of Cost Curves One-Step Profit Maximization

10	Aggregation Short-run Market Equilibrium

Week 3

11	Comparative Statics of Equilibrium Taxes **Quiz 2**
12	Consumer and Producer Surplus Long-run Market Equilibrium
13	Monopoly Price Discrimination
14	Game Theory Mixed Strategy Equilibria
15	**Mid-term Exam**

Week 4

16	Market Interaction Oligopoly: Cournot and Bertrand
17	Dynamic Games Oligopoly: Stackelberg
18	Competitive Equilibrium Edgeworth Boxes
19	Moral Hazard/Adverse Selection Issues
20	Existence and Welfare Theorems Arrow-Debreu and Incomplete Markets **Assignment 2**

Week 5

21	Externalities and Public Goods Bargaining
22	Voluntary Contribution
23	Lindahl Equilibrium
24	Final Exam Reviews
25	**Final Exam**