EF5471: ADVANCED MICROECONOMICS

Effective Term
Semester A 2025/26

Part I Course Overview

Course Title
Advanced Microeconomics

Subject Code
EF - Economics and Finance

Course Number
5471

Academic Unit
Economics and Finance (EF)

College/School
College of Business (CB)

Course Duration
One Semester

Credit Units
3

Level
P5, P6 - Postgraduate Degree

Medium of Instruction
English

Medium of Assessment
English

Prerequisites
Nil

Precursors
Nil

Equivalent Courses
Nil

Exclusive Courses
Nil

Part II Course Details

Abstract
This course aims to provide students with a deep understanding of advanced microeconomics. Six to seven standard topics are covered. These include consumption theory, production theory, welfare economics, general equilibrium, and

decision-making under uncertainty. In the process of studying these topics, the course will also equip students with tools and techniques that are currently used in many applied areas of modern economics such as industrial organization, international trade etc.

Also, Discovery and Innovation is encouraged through the application of the models and concepts of microeconomic theory in new and innovative real-life cases.

Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Describe the basic concepts and models of modern microeconomic theory and their real-life and business applications.		x	x	x
2	Explain the concepts and models studied in class to analyze real-world issues, such as consumer’s or producer’s behavior in various strategic contexts, and make sound predictions using the tools of microeconomic theory.		x	x	x
3	Apply the tools and techniques studied in class to answer questions specific to microeconomics and more general areas of interest to economists, such as industrial organization and international trade.		x	x	x

A1: Attitude
Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability
Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments
Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Learning and Teaching Activities (LTAs)

	LTAs	Brief Description	CILO No.	Hours/week (if applicable)
1	Lectures	Students will engage in lectures about basic concepts and models. The presentation, whereas possible, will try to motivate and provide intuition for the concepts and models introduced. Students will participate in discussion and thus discover the underlying concepts by themselves in the process.	1, 2, 3	3 hours/week

2	Exercises	Students will develop an in-depth understanding of the material presented in class through regular exercises with solutions. Not graded to avoid cheating. Exercises contain applications to some real-life economic issues, such as taxation, trade, etc. Innovative thinking is encouraged in answering the questions related to real-world economic applications.	1, 2, 3	

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks ("-" for nil entry)	Allow Use of GenAI?
1	Group Assignments	1, 2, 3	15	For Assignments and Group Project, you can use Generative Artificial Intelligence Tools to help you understand the concepts/ questions/ problems, or analyze data. But the final version must be your own work, e.g., you cannot copy and paste the AI answers as your own answers. You are not allowed to use Generative Artificial Intelligence Tools in mid-term exam(s)/quiz(zes).	Yes
2	End of Semester Test	1, 2, 3	35	-	No

Continuous Assessment (%)

50

Examination (%)

50

Examination Duration (Hours)

3

Additional Information for ATs
Students are required to pass both coursework and examination components in order to pass the course.

Assessment Rubrics (AR)

Assessment Task
Group Assignments (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion
Ability to apply the concepts, models, and techniques studied in class to analyze various economic and business problems.

Excellent
(A+, A, A-) High

Good
(B+, B, B-) Significant

Fair
(C+, C, C-) Moderate

Marginal
(D) Basic

Failure
(F) Not even reaching marginal levels

Assessment Task
End of Semester Test (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion
Ability to apply the concepts, models, and techniques studied in class to analyze various economic and business problems.

Excellent
(A+, A, A-) High

Good
(B+, B, B-) Significant

Fair
(C+, C, C-) Moderate

Marginal
(D) Basic

Failure
(F) Not even reaching marginal levels

Assessment Task
Final Examination (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

Ability to apply the concepts, models, and techniques studied in class to analyze various economic and business problems.

Excellent
(A+, A, A-) High

Good
(B+, B, B-) Significant

Fair
(C+, C, C-) Moderate

Marginal
(D) Basic

Failure
(F) Not even reaching marginal levels

Assessment Task
Group Assignments (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion
Ability to apply the concepts, models, and techniques studied in class to analyze various economic and business problems.

Excellent
(A+, A, A-) High

Good
(B+, B) Significant

Marginal
(B-, C+, C) Basic

Failure
(F) Not even reaching marginal levels

Assessment Task
End of Semester Test (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion
Ability to apply the concepts, models, and techniques studied in class to analyze various economic and business problems.

Excellent
(A+, A, A-) High

Good
(B+, B) Significant

Marginal
(B-, C+, C) Basic

Failure
(F) Not even reaching marginal levels

Assessment Task

Final Examination (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

Ability to apply the concepts, models, and techniques studied in class to analyze various economic and business problems.

Excellent

(A+, A, A-) High

Good

(B+, B) Significant

Marginal

(B-, C+, C) Basic

Failure

(F) Not even reaching marginal levels

Part III Other Information

Keyword Syllabus

Consumer Choice; Utility Maximization and Expenditure Minimization; Substitution Effect and Income Effect; Revealed Preference; Aggregation; Production Function; Profit Maximization and Cost Minimization; Exchange and the two Fundamental Theorems of Welfare Economics; General Equilibrium; Decision-Making under Uncertainty

Reading List

Compulsory Readings

	Title
1	W. Nicholson and C. Snyder (2016). Microeconomic Theory: Basic Principles and Extensions. 12th edition.
2	Background reading - Varian, Hal. (1992). Microeconomic Analysis. 3rd ed. North Press.
3	Background reading - Jehle, G.A. and Reny, P.J. (2011). Advanced Microeconomic Theory. 3rd ed. Pearson.
4	Background reading - Mas-Colell, A., Whinston, M.D. and Green, G. (1995). Microeconomic Theory. Oxford University Press.
5	Background reading - Kreps, D. (1990). A Course in Microeconomic Theory. Princeton University Press.

Additional Readings

	Title
1	Rudin, Walter (1976). Principles of Mathematical Analysis. 3rd edition. McGraw-Hill.
2	Simon, Carl P. and Blume, Lawrence E. (1994). Mathematics for Economists. 1st edition. W. W. Norton & Company.