

Discipline Specific Core



University of Kerala

Discipline	ECONOMICS				
Course Code	UK3DSCECO200				
Course Title	MICROECONOMICS I				
Type of Course	DSC				
Semester	III				
Academic Level	200 -299				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours/Week
	4	4 hours	-	-	4
Pre-requisites	Preliminary knowledge of microeconomics				
Course Summary	The course lays the foundations of microeconomic theory. It presents the Behavior of the consumer and the producer and explains the different types of markets.				



Detailed Syllabus:

Module	Unit	Content	Hrs
I		Consumer Theory	10
	1	Description of consumer preferences (representing preferences with indifference curves)-properties of indifference curves-budget constraint consumer's equilibrium - income and price changes-derivation of price consumption curve, income consumption curve, and Engel's curve – Substitution effect, income effect, and law of demand- Slutsky equation- Compensating and equivalent variation – concepts of Marshallian and compensated demand curves.	
	2	Revealed preference theorem of Samuelson-derivation of demand curve-recent Theories in demand analysis-the pragmatic approach to demand analysis-Linear Expenditure System -indirect utility function.	
II		Producer Theory	15
	3	Production function– isoquants and diminishing rate of factor substitution– isocost line- production decision- optimal input combination- producer's equilibrium-expansion path-homogeneous and homothetic production function and their properties-Cobb-Douglas, CES, VES, Translog production functions. (Concepts Only)	
	4	Modern Theory of cost: short run and long run – engineering cost- Economies and diseconomies of scale.	
III		The market structure under Perfect Competition and Monopoly	10
	1	Perfect Competition-features and assumptions-pure vs perfect competition- long-run and short-run equilibrium- monopoly- short-run and long-run equilibrium- price discrimination; degrees and types- monopoly power – Lerner Index- social cost of monopoly- monopsony and bilateral monopoly. (Concepts Only)	
IV		Market Structure under Monopolistic Competition and Oligopoly and Welfare Economics	15



	<p>Monopolistic Competition-non-price competition and selling cost-short run and long run equilibrium - excess capacity-Oligopoly - collusive oligopoly - cartels and price leadership - low-cost firm, dominant and barometric- non-collusive models- Cournot model -Stackelberg model - Bertrand model - Sweezy model. (Basic Models Only)</p> <p>Welfare economics–Criteria of social welfare-Pareto optimality-Kaldor-Hicks Compensation criterion- Scitovsky criterion.</p>	
V	<p>Do a study on a monopoly like KSEB, examine its price and output decisions, and price discrimination practices followed it, and find out the factors that led KSEB to monopolize Kerala’s electrical-power market.</p>	10

References

1. Karl E. Case and Ray C. Fair, Sharon M. Oster, Principles of Micro Economics, Pearson Education Inc., 11th Edition, 2014
2. Robert Pindyck & Daniel Rubinfeld Microeconomics (8th edition), Pearson Education, 2017
3. Dominick Salvatore, Principles of Microeconomics (8th edition), Oxford University Press, 2009
4. D N Dwivedi, Microeconomics: Theory and Applications (4th Edition), Visionias, 2024.
5. G S Madala and Ellen Miller, Micro Economics-Theory and Applications, Tata McGraw Hill, 2004.
6. Hal R Varian, Intermediate Microeconomics: A Modern Approach 8th edition, W. W. Norton and Company Affiliated East-West Press, 2011.
6. A. Koutsoyiannis. (1979). Modern micro economics. Palgrave McMillan.

Course Outcomes

No.	Upon completion of the course the graduate will be able to	Cognitive Level	PSO addressed
CO-1	Evaluate different theories on consumer behavior	R, U, Ap, An, E	PSO-1
CO-2	Compare different types of production functions and develop an optimum production function	R, U, Ap, An, E, C	PSO-1,3



CO-3	Understand the fundamentals of market mechanisms and analyze pricing strategies.	R, U, Ap, An	PSO-1,3
CO-4	Evaluate different types of markets	R, U, Ap, An, E	PSO-1, 3
CO-5	Design a comprehensive welfare evaluation model by integrating various social welfare criteria.	R, U, Ap, An, E, C	PSO-1,2,3

R-Remember, U-Understand, Ap-Apply, An-Analyze, E-Evaluate, C-Create

Note: 1 or 2 COs/module

Name of the Course: Credits: 4:0:0 (Lecture: Tutorial: Practical)

CO No.	CO	PO/PSO	Cognitive Level	Knowledge Category	Lecture (L)/ Tutorial (T)	Practical (P)
CO-1	Evaluate different theories on consumer behavior	PO-1, PSO-1	R, U, Ap, An, E	F, C	L	
CO-2	Compare different types of production functions and develop an optimum production function	PO-1,2, PSO-1,3	R, U, Ap, An, E, C	F, C, P	L	
CO-3	Understand the fundamentals of market mechanisms and analyze pricing strategies.	PO-1, PSO-1,3	R, U, Ap, An	F, C	L	
CO-4	Evaluate different types of markets	PO-1,2, PSO-1,3	R, U, Ap, An, E	F, C	L	
CO-5	Design a comprehensive welfare evaluation model by integrating various social welfare criteria.	PO-1,2,3, PSO-1,2,3	R, U, Ap, An, E, C	F, C, M	L	

F-Factual, C-Conceptual, P-Procedural, M-Metacognitive.

Mapping of COs with PSOs and POs

CO No.	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	Average
CO-1	3	-	1	-	-	-	3	1	-	-	-	-	-	-	2
CO-2	3	2	3	-	-	-	3	3	2	-	-	1	1	-	2.25
CO-3	2	-	3	-	-	-	3	2	-	-	-	2	2	2	2.28
CO-4	3	-	3	-	-	-	3	3	2	-	-	2	1	-	2.43
CO-5	3	3	3	1	1	2	3	3	3	1	1	3	2	2	2.21
Average	2.75	2.5	3	1	1	2	3	2.7	2.3	3	1	1	2	1.5	2



Correlation Levels:

Level	Correlation
-	Nil
1	Slightly/Low
2	Moderate/ Medium
3	Substantial/ High

Assessment Rubrics:

- Quiz / Assignment/ Quiz/ Discussion / Seminar
- Midterm Exam
- Programming Assignments
- Final Exam

Mapping of COs to Assessment Rubrics :

CO No.	Internal Exam	Assignment	Project Evaluation	End Semester Exam
CO-1	✓	✓	-	✓
CO-2	✓	✓	✓	✓
CO-3	✓	✓	-	✓
CO-4	✓	✓	-	✓
CO-5	-	✓	✓	✓

