



Syllabus

First Semester Courses in (ECONOMICS)

2024-2025

Contents:

- **Syllabus for Core Course:**
**UAECO4501CR1: INTRODUCTORY MICROECONOMICS:
DEMAND AND PRODUCTION**
- **Syllabus for Minor Course:**
USECO4501MN1: MICROECONOMICS-I
- **Syllabus for Vocational Skill course (VSC):**
UAECO4501VS1: ECONOMIC DATA MANAGEMENT
- **Evaluation and Assessment guidelines**

F.Y.B.A. (ECONOMICS) Major/Core

Course Code: UAECO4501CR1

INTRODUCTORY MICROECONOMICS: DEMAND AND PRODUCTION

Credits: 4

Number of lectures: 60

Course Objectives:

1. To understand basic mathematical concepts underlying economics.
2. To understand concepts of costing and applications of cost analysis
3. To understand various market structures.
4. To apply concepts to concrete situations (projects).

Course Outcomes (COs):

Sr. No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
CO 1	To understand the basics of Microeconomics	1,5	R, U
CO 2	To understand consumers' behaviour and utility analysis	1,5	R, U
CO 3	To understand theoretical aspects of Production	1,5	R, U
CO 4	To understand Revenue and Cost analysis	1,5	R, U

UNIT I: Introductory Concepts

[15 lectures]

1. Meaning of microeconomics and the conception of equilibrium.
2. Basic mathematics: Limits, functions and introduction to derivatives.
3. Basic statistics: Introduction to regression analysis

UNIT II: Consumer Behaviours

[15 lectures]

1. Cardinal and Ordinal Utility Analysis
2. Indifference Curve Analysis: Consumer's equilibrium, Income, Price and Substitution Effects.
3. Revealed Preference
4. Elasticity of Demand: Price, Income, Cross and Promotional
5. Consumer's Surplus

UNIT III: Theoretical Aspects of Production

[15 lectures]

1. Law of Variable Proportions
2. Isoquants, Iso-cost lines and producer's equilibrium
3. Returns to Scale: Economies and Diseconomies of Scale
4. Cobb-Douglas Production Function

UNIT IV: Revenue and Cost Analysis

[15 lectures]

1. Cost Analysis: Concepts of Marginal Cost, Average cost, mathematical treatment
2. Revenue Analysis: Concept of Marginal and Average Revenue, mathematical treatment.

Basic Reference Book

Mankiw, N. G. (2002), Principles of Economics, Thomson Asia Pte. Ltd., Singapore.

Additional References:

1. Ahuja, H. L. (2012), Advanced Economic Theory, S. Chand & Company, New Delhi.
2. Koutsoyiannis, A. (1980) Modern Microeconomics, Macmillan Press Ltd, London.
3. Lipsey and Chrystal (2004), Economics, Oxford University Press.
4. Samuelson P. A. & W. D. Nordhaus (1998), Economics, Tata McGraw Hill, New Delhi.
5. Salvatore, D. (2003), Microeconomics, Oxford University Press.

Evaluation (Core Theory): Total marks per course – 100

- I. Formative Assessment ‘for’ Learning (continuous internal assessment - CIA to improve learning).
CIA- 40 marks
CIA 1: Written test -20 marks
CIA 2: Assignment -20 marks
- II. Summative Assessment ‘of’ Learning (focus on outcomes, quantitative data for outcomes of instruction).
End Semester Examination – 60 marks
One question from each unit for 15 marks, with internal choice.

Eg: Template for the Core course End Semester examination in Semester 1

UNITS	KNOWLEDGE	UNDERSTANDING	APPLICATION and ANALYSES	TOTAL MARKS-Per unit
1	8	4	3	15
2	8	4	3	15
3	8	4	3	15
4	8	4	3	15
-TOTAL - Per objective	32	16	16	60
% WEIGHTAGE	53.33	26.66	26.66	100%

Keep the grid template for Evaluation, of course for CIA 2

F.Y.B.Sc. (ECONOMICS)-Minor**Course Code: USECO4501MN1****MICROECONOMICS-I**

Credits: 4

Number of lectures: 60

Course Objectives:

1. To gain knowledge of microeconomics and its scope.
2. To understand demand analysis and its implication to consumer behavior.
3. To understand theoretical aspects of production
4. To understand cost and revenue structures

Course Outcomes (COs):

Sr. No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
CO 1	To understand the basics of Microeconomics	1,5	R, U
CO 2	To understand consumer behaviour and utility analysis	1,5	R, U
CO 3	To understand theoretical aspects of Production	1,5	R, U
CO 4	To understand Revenue and Cost analysis	1,5	R, U

UNIT I: Introduction to Microeconomics**[15 lectures]**

1. Meaning & scope of microeconomics.
2. Law of demand, individual demand & market demand for a commodity
3. Individual supply & market supply for a commodity
4. Equilibrium price & quantity, types of equilibrium & shifts in equilibrium

UNIT II: Consumer Behaviours**[15 lectures]**

1. Indifference Curve Analysis: Consumer's equilibrium, Income, Price and Substitution Effects.
2. Revealed Preference
3. Elasticity of Demand: Price, Income, Cross and Promotional
4. Consumer's Surplus

UNIT III: Theoretical Aspects of Production**[15 lectures]**

1. Law of Variable Proportions
2. Isoquants, Iso-cost lines and producer's equilibrium
3. Returns to Scale: Economies and Diseconomies of Scale
4. Cobb-Douglas Production Function

UNIT IV: Revenue and Cost Analysis

[15 lectures]

1. Cost Analysis: Concepts of Marginal Cost, Average cost, mathematical treatment
2. Revenue Analysis: Concept of Marginal and Average Revenue, mathematical treatment.

Basic Reference Books

1. Mukherjee S (2018), Analytical Microeconomics, NCBA, Fourth Edition
2. Ahuja, H. L. (2012), Advanced Economic Theory, S. Chand & Company, New Delhi.
3. Koutsoyiannis, A. (1980) Modern Microeconomics, Macmillan Press Ltd, London.
4. Lipsey and Chrystal (2004), Economics, Oxford University Press.
5. Varian H. (2010), Intermediate Microeconomics: A Modern Approach
6. Chiang A. (2017), Fundamental Methods of Mathematical Economics

Additional References:

1. S. B Gupta (2010), Monetary Economics: Institutions, Theory & Policy Paperback, S.Chand
2. L.M Bhole (2017), Financial Institutions and Markets, McGraw Hill, Sixth Edition
3. Frederic Mishkin (2016), Macroeconomics: Policy & Practices, Pearson Education, Second Editions

Evaluation (Minor Theory): Total marks per course – 100

- I. Formative Assessment ‘for’ Learning (continuous internal assessment - CIA to improve learning).
CIA- 40 marks
CIA 1: Written test -20 marks
CIA 2: Assignment -20 marks
- II. Summative Assessment ‘of’ Learning (focus on outcomes, quantitative data for outcomes of instruction).
End Semester Examination – 60 marks
One question from each unit for 15 marks, with internal choice

Template for the Minor course End Semester examination in Semester 1

UNITS	KNOWLEDGE	UNDERSTANDING	APPLICATION and ANALYSES	TOTAL MARKS- Per unit
1	8	4	3	15
2	8	4	3	15
3	8	4	3	15
4	8	4	3	15
-TOTAL - Per objective	32	16	16	60
% WEIGHTAGE	53.33	26.66	26.66	100%

F.Y.B.A. (ECONOMICS)-VSC

Course Code: UAECO4501VS1

ECONOMIC DATA MANAGEMENT

Credits: 2

Number of lectures: 30

Course Objectives:

1. To help students to understand the fundamentals of economic data analysis
2. To train students to analyze data with the help of research software such as Excel and EViews

Course Outcomes (COs):

Sr. No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
CO 1	To understand the basics of data collection and assessment	1,5	R, U, A
CO 2	To apply techniques of data assessment and analysis	1,5	R, U, A
CO 3	To evaluate the efficient methods of data assessment	1,5	R, U, A
CO 4	To apply the techniques in economic issues	1,5	R, U, A

UNIT I:

Understanding and Handling Economic Data

1. Identifying economic issues and its techniques of data collection
2. Sampling and stratifying the data, testing the quality of the data to improve the predictability of the model.

UNIT II:

Identifying and resolving the Issues in the data

1. Autocorrelation, Heteroscedastic, Multicollinearity
2. Unit Root issue in time series data

Basic Reference Books/ Reports/ Publications

1. Introduction to Data Analysis Handbook (2006), Migrant & Seasonal Head Start Technical Assistance Center Academy for Educational Development, © AED/TAC-12 Spring 2006.
2. Damodar Gujarati (2022), Econometrics by Examples, Bloomsbury Academic India
3. Frederic Mishkin (2016), Macroeconomics: Policy & Practices, Pearson Education, Second Editions

Evaluation (VSC Theory): Total marks per course – 50

- III. Formative Assessment ‘for’ Learning (continuous internal assessment - CIA to improve learning).
CIA- 20 marks
- IV. Summative Assessment ‘of’ Learning (focus on outcomes, quantitative data for outcomes of instruction).
End Semester Examination – 30 marks

Template for the VSC course End Semester examination in Semester 1

UNITS	KNOWLEDGE	UNDERSTANDING	APPLICATION and ANALYSES	TOTAL MARKS- Per unit
1	8	4	3	15
2	8	4	3	15
-TOTAL - Per objective				30
% WEIGHTAGE	50	25	25	100%

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Syllabus

Second Semester Courses in (ECONOMICS)

2024-2025

Contents:

- **Syllabus for Core Course:**
**UAECO4502CR1: INTRODUCTORY MICROECONOMICS:
PRICING THEORIES -PRODUCT MARKET**
- **Syllabus for Minor Course:**
USECO4502MN1: MICROECONOMICS II
- **Syllabus for Vocational Skill course (VSC):**
UAECO4501VS1: ECONOMIC DATA MANAGEMENT
- **Evaluation and Assessment guidelines**

Introductory Microeconomics: Pricing Theories-Product Market

Credits: 4

Number of lectures: 60

Course Objectives:

1. To identify and assess various objectives of the firms and markets.
2. To apply microeconomic concepts to concrete situation (PROJECTS)

Course Outcomes (COs):

Sr. No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
CO 1	To understand the basic objectives of the firm	1,5	R, U
CO 2	To understand perfect competition mechanism	1,5	R, U
CO 3	To understand Monopoly market structure	1,5	R, U
CO 4	To understand Monopolistic Competition scenario	1,5	R, U

UNIT I: Objectives of the firm

[15 lectures]

1. Objectives of the firm (Profit and Sales Maximization)
2. Break even analysis
3. Pricing methods (Marginal Cost and Full Cost Analysis)

UNIT II: Perfect Competition

[15 lectures]

1. Understanding the features and objectives of Perfect Competition
2. Short-run and long-run equilibrium of a firm and industry
3. Calculation of Marginal Physical Product, Marginal Revenue Product and Value of Marginal Product.
4. Price determination and profit maximization in the short run and long run.

UNIT III: Monopoly

[15 lectures]

1. Understanding the features and scope of monopoly
2. Short run and long run equilibrium of a monopoly firm.
3. Degrees of Price Discrimination and International dumping.
4. Understanding the difference between monopoly, duopoly and oligopoly

UNIT IV: Monopolistic Competition**[15 lectures]**

1. Understanding the concept and nature of monopolistic Competition
2. Short run and long run equilibrium of monopolistic firm

Basic Reference Books

1. Ahuja,H.L. (2012),Advanced Economic Theory,S.Chand &Company,NewDelhi.
2. Koutsoyiannis,A.(1980)Modern Microeconomics, TheMacmillan Press Ltd, London.
3. Lipsey and Chrystal (2004), Economics, Oxford University Press.
4. Salvatore,D.(2003),Microeconomics, Oxford University Press.
5. Paula J.Meske .The Solid Waste Dilemma: Municipal Liability and Household Hazardous Waste Management in Journal of Environmental Law. Volume:23. Issue:1. Jan,1993
6. Mankiw, N.G. (2002), Principles of Economics, Thomson Asia Pte. Ltd., Singapore.

Evaluation (Core Theory): Total marks per course – 100

- I. Formative Assessment ‘for’ Learning (continuous internal assessment - CIA to improve learning).
 - a. CIA- 40 marks
 - b. CIA 1: Written test -20 marks
 - c. CIA 2: Assignment -20 marks
- II. Summative Assessment ‘of’ Learning (focus on outcomes, quantitative data for outcomes of instruction).
 - a. End Semester Examination – 60 marks
 - b. One question from each unit for 15 marks, with internal choice.

Template for the Core course End Semester examination in Semester 2

UNITS	KNOWLEDGE	UNDERSTANDING	APPLICATION and ANALYSES	TOTAL Per unit
1	5	3	2	10
2	10	6	4	20
3	10	6	4	20
4	5	3	2	10
-TOTAL - Per objective	30	18	12	60
% WEIGHTAGE	50%	30%	20%	100%

Keep the grid template for Evaluation, of course for CIA 2

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F.Y.B.Sc. (ECONOMICS)-Minor

Course Code: USECO4502MN1

MICROECONOMICS-II

Credits: 4

Number of lectures: 60

Course Objectives:

1. To understand the various objectives of the firm
2. To apply the concept of equilibrium in the long run and short run periods
3. To apply pricing strategies to the factor market
4. To analyze the concept of risk

Course Outcomes (COs):

Sr. No.	On completing the course, the student will be able to:	PSOs addressed	Cognitive levels
CO 1	To understand the various objectives of the firm	1,4,5	R, U, An
CO 2	To understand equilibrium to the long run and short run	1,4,5	R, U, An
CO 3	To understand pricing strategies to the factor market	1,4,5	R, U, An
CO 4	To understand the concept of risk	1,4,5	R, U, An

UNIT I: Theory of the firm

[15 lectures]

1. Objectives of the firm (Profit and Sales Maximization)
2. Break even analysis
3. Pricing methods (Marginal Cost and Full Cost Analysis)

UNIT II: Market Structures

[15 lectures]

1. Short-run and long-run equilibrium of a firm under Perfect Competition
2. Short-run and long-run equilibrium of a Perfectly Competitive Industry
3. Short-run and long-run equilibrium of Monopoly; Discriminating Monopoly, Dumping
4. Short-run and long-run equilibrium of firm and industry under Monopolistic Competition

UNIT III: Factor Markets

[15 lectures]

1. Factor pricing in perfectly and imperfectly competitive markets.
2. Wage determination; Collective Bargaining
3. Risk, Uncertainty and Profits
4. Economic Rents

UNIT IV: Choice under Uncertainty

[15 lectures]

1. Expectations and expected utility
2. Concept of risk-aversion.
3. Jensen’s inequality.
4. Insurance and risk-aversion.

Basic Reference Book

Mukherjee S (2018), Analytical Microeconomics, NCBA, Fourth Edition

Additional References

1. Ahuja, H. L. (2012), Advanced Economic Theory, S. Chand & Company, New Delhi.
2. Koutsoyiannis, A. (1980) Modern Microeconomics, Macmillan Press Ltd, London.
3. Lipsey and Chrystal (2004), Economics, Oxford University Press.
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5. Salvatore, D. (2003), Microeconomics, Oxford University Press.
6. Mankiw, N.G. (2002), Principles of Economics, Thomson Asia Pvt. Ltd., Singapore

Evaluation (Minor Theory): Total marks per course – 100

- I. Formative Assessment ‘for’ Learning (continuous internal assessment - CIA to improve learning).
 - a. CIA- 40 marks
 - b. CIA 1: Written test -20 marks
 - c. CIA 2: Assignment -20 marks
- II. Summative Assessment ‘of’ Learning (focus on outcomes, quantitative data for outcomes of instruction).
 - a. End Semester Examination – 60 marks
 - b. One question from each unit for 15 marks, with internal choice

Template for the Minor course End Semester examination in Semester 2

UNITS	KNOWLEDGE	UNDERSTANDING	APPLICATION and ANALYSES	TOTAL MARKS-Per unit
1	8	4	3	15
2	8	4	3	15
3	8	4	3	15
4	8	4	3	15
-TOTAL - Per objective	32	16	16	60
% WEIGHTAGE	53.33	26.66	26.66	100%

F.Y.B.A. (ECONOMICS)-VSC

Course Code: UAECO4501VS1

ECONOMIC DATA MANAGEMENT

Credits: 2

Number of lectures: 30

Course Objectives:

3. To help students to understand the fundamentals of economic data analysis
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CO 2	To apply techniques of data assessment and analysis	1,5	R, U, A
CO 3	To evaluate the efficient methods of data assessment	1,5	R, U, A
CO 4	To apply the techniques in economic issues	1,5	R, U, A

UNIT I:

Understanding and Handling Economic Data

3. Identifying economic issues and its techniques of data collection
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UNIT II:

Identifying and resolving the Issues in the data

3. Autocorrelation, Heteroscedastic, Multicollinearity
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5. Damodar Gujarati (2022), Econometrics by Examples, Bloomsbury Academic India
6. Frederic Mishkin (2016), Macroeconomics: Policy & Practices, Pearson Education, Second Editions

Evaluation (VSC Theory): Total marks per course – 50

- V. Formative Assessment ‘for’ Learning (continuous internal assessment - CIA to improve learning).
CIA- 20 marks
- VI. Summative Assessment ‘of’ Learning (focus on outcomes, quantitative data for outcomes of instruction).
End Semester Examination – 30 marks

Template for the VSC course End Semester examination in Semester 2

UNITS	KNOWLEDGE	UNDERSTANDING	APPLICATION and ANALYSES	TOTAL MARKS- Per unit
1	8	4	3	15
2	8	4	3	15
-TOTAL - Per objective				30
% WEIGHTAGE	50	25	25	100%

