ANNAMALAI UNIVERSITY
105 - B.A. ECONOMICS
Programme Structure and Scheme of Examination (under CBCS)
(Applicable to the candidates admitted in Affiliated Colleges from
the academic year 2022 -2023 onwards)

Course Code	Part	Study Components & Course Title	Hours/Week	Credit	CIA	ESE	Total
		SEMESTER - I					
22UTAML11	I	Language Course - I: Tamil/Other Languages	5	3	25	75	100
22UENGL12	II	English Course – I: Communicative English	5	3	25	75	100
22UECOC13	III	Core Course – I: Micro Economics-I	5	4	25	75	100
22UECOC14		Core Course – II: Indian Economy	5	4	25	75	100
		Allied Course - I	5	3	25	75	100
22UECOS16	IV	Skill Based Course – I: Economics of Food and Nutrition	3	2	25	75	100
22UENVS18		Environmental Studies	2	2	25	75	100
Total			**30**	**21**			**700**
		SEMESTER – II					
22UTAML21	I	Language Course – II: Tamil/Other Languages	5	3	25	75	100
22UENGL22	II	English Course – II: Communicative English	5	3	25	75	100
22UECOC23	III	Core Course – III: Micro Economics-II	5	4	25	75	100
22UECOC24		Core Course – IV: Mathematics for Economics	5	4	25	75	100
	III	Allied Course -II	4	3	25	75	100
22UECOS26	IV	Skill Based Course – II: Personality Development	2	2	25	75	100
22UVALE27		Value Education	2	1	25	75	100
22USOFS28		Soft Skills	2	1	25	75	100
Total			**30**	**21**			**800**

List of Allied Courses (Choose 1 out of 3 in each Semester)

Semester	Course Code	Course Title	H/W	C	CIA	ESE	Total
I	22UECOA15-1	Money and Banking	5	3	25	75	100
	22UECOA15-2	Tamil nadu Economy	5	3	25	75	100
	22UECOA15-3	Economics of infrastructure	5	3	25	75	100
II	22UECOA25-1	Rural Economics	4	3	25	75	100
	22UECOA25-2	Welfare Economics	4	3	25	75	100
	22UECOA25-3	Economic History of India (1857-1947)	4	3	25	75	100

**List of Allied Courses offered to Other Departments
(For B.Com. Programmes)**

Semester	Course Title
I	Business Economics – I
I	Business Economics
II	Business Economics – II

SEMESTER: I CORE: I PART: III	22UECOC13: MICRO ECONOMICS – I	CREDITS: 4 HOURS: 75

Course Objectives
1. To introduce the Concepts and Definitions of Economics and Micro economics
2. Acquires the knowledge of the Demand and Supply analysis.
3. Understands the Concept Utility, Laws of utility and Consumer Surplus
4. Understand the Indifference curve analysis and Consumer's Equilibrium.
5. Understands the importance of the theory of production & Producer Equilibrium.

Unit 1: Introduction to Economics

Definition of economics –Wealth Definition-Welfare Definition-Scarcity definition –Growth Definition- Micro Economics-Meaning- scope of microeconomics – Positive Economics-Normative Economics- Inductive and Deductive methods.

Unit 2: Demand and Supply Analysis

Demand –Meaning- Law of Demand – Individual and Market Demand curve – Change in Demand and Change in quantity demanded – Determinants of Demand – Exceptions to Law of Demand-Elasticity of Demand - Types of Elasticity of Demand - Supply – Law of Supply – Supply curve – Determinants of supply – Elasticity of supply.

Unit 3: Consumer Theory: Utility Analysis

The concept of utility – ordinal and cardinal utility – Total and Marginal utility – Law of diminishing marginal utility - Law of equi-marginal utility-Consumer Surplus.

Unit 4: Consumer Theory: Indifference Curve Analysis

Indifference curves - Indifference Map –Scale of Preference- Properties of Indifference curves – Marginal Rate of Substitution - The budget line – Price and Substitution effects –Consumer's Equilibrium.

Unit 5: The Theory of Production

Production Function-Meaning- Law of Variable Proportions-Law of Returns to Scale- Cobb-Douglas production function-Isoquants – Marginal Rate of Technical Substitution-Producers equilibrium.

Course OutComes

After the successful completion of the course, the student will be able to
1. Understand the concept of Micro Economics, Definitions of Economics, Micro Economics, Inductive and Deductive methods and Positive and Normative Economics.
2. To analyze Demand and Supply concepts

3. To understand the law of Diminishing Marginal utility and Consumer Surplus.
4. To understand the Indifference curve analysis and Consumers equilibrium.
5. To gain knowledge of the theories of Production Function and Producer equilibrium.

Text Books
1. Cauvery.R, ,Sudha Nayak.U.K , Girija.M ,.Kruparani.N,.Meenakshi.R , Micro Economic Theory, Sultan Chand & Company LTD, Ram Nagar New Delhi.
2. Jhingan.M.L, Modern Micro Economics, Vrinda Publication Private Limited, New Delhi.
3. Sankaran, S: Micro Economics - Margham Publications, Chennai Edition.

Supplementary Readings
1. Dewett, K.K. Modern Economic Theory, S. Chand & Company LTD, New Delhi
2. Misra. S. K , and Puri.V.K, Advanced Micro Economic Theory, Himalaya Publishing House, 2009.
3. Koutsoyiannis, A: Modern Micro Economics, Macmillan Press Limited.

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	2	2	3	2
CO2	3	2	2	2	2
CO3	3	3	2	2	2
CO4	2	3	3	2	2
CO5	2	3	3	2	3

1-LOW   2- MEDIUM   3- HIGH

SEMESTER: I CORE: II PART: III	22UECOC14: INDIAN ECONOMY	CREDITS: 4 HOURS: 75

Course Objectives
1. Understands the Concepts-Underdevelopment, Economic Growth and
2. Economic Development.
3. Acquires knowledge of Agricultural and Industrial Development during (1950-1991)
4. To understands the New Economic Policy and about NITI Ayog.
5. To Acquires knowledge of developments since1991.
6. To understands the Role of Service and Financial sectors

Unit 1: Underdevelopment and Growth

Economic Growth - Economic Development –Economic Growth and Economic Development distinguished –Features of an India as a Developing Economy – Obstacles to Economic Development.

Unit 2: Agricultural and Industrial Development (1950-1991)

Agricultural development - Land reforms – The Green Revolution – State policy for agricultural development –Performance of agricultural sector - Industrial development - Role of public sector – State policy for industrial development for cottage and small-scale industrial UNITs - industrial development of backward regions - performance of Industrial sector.

Unit 3: New Economic Policy

Crisis of 1991-– New Economic Policy – Components of New Economic Policy – Liberalization – Privatization – Globalization – Globalization and its impact on India- Replacement of Planning Commission with NITI Ayog.

Unit 4: Developments since 1991, Economic Growth, Agriculture and Industry

Economic growth after liberalization – Driving factors of high growth rates- Agriculture- Public investment in agriculture – Impact of trade liberalization on agriculture – Agricultural production since 1991 – Industry – disinvestment and privatization – Arguments for and against privatization - De-reservation for small scale industries – impact on Indian industrial development.

Unit 5: Service and Financial Sectors

Structural change in Indian economy - Service sector- Importance of the service sector – consequences of service sector growth – Financial sector – Expansion of private banks

Course Outcomes

At the end of the Course the students should be able

1. To differentiate Economic Growth and Economic Development and Features of India as developing Economy.
2. To understand the Role of Agricultural Sector and Industrial sector in India.
3. To explain the New Economic Policy and its Components.
4. To get knowledge the Growth of Agriculture and Industry since1991.
5. To assess the role of Service and Financial sector in India.

Text Books

1. Datt and Sundharam, Indian Economy, S Chand and Company Limited, New Delhi.
2. Dingra. I.C, Indian Economy, Sultan Chand and Sons, New Delhi.
3. Sankaran, S, Indian Economy, Margham Publications, Chennai, Tamil Nadu.

Supplementary Readings

1. Ahluwalia, I. J. and IMD Little (Eds.) (1998), India's Economic Reforms and Development, Oxford University Press, New Delhi.
2. Byres, T.J. (Ed.) (1997), the State, Development Planning and Liberalization in India, Oxford University Press, New Delhi.
3. Byres, T.J. (Ed.) (1998), the Indian Economy: Major Debates since Independence, Oxford University Press, New Delhi.

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	2	2	2	3
CO2	3	2	2	2	3
CO3	3	3	3	3	3
CO4	2	2	2	3	3
CO5	3	3	3	2	3

1-LOW   2- MEDIUM   3- HIGH

SEMESTER: I SKILL BASED: I PART: IV	22UECOS16: ECONOMICS FOOD AND NUTRITION	CREDITS: 2 HOURS: 45

Course Objectives

1. To make the students understand the concept and importance of food security
2. To make them understand the importance of nutrition in the promotion of health
3. To make them gain knowledge about nutrition problems existing in the country
4. To develop skills to assess the nutritional status of the country
5. To inculcate the skill to deliver nutritional services and enable to become entrepreneurs in the field of food and nutrition.

Unit 1: Food Security

Concept of food security-food self-sufficiency and food security-importance-food security problem in India-Public Distribution System.

Unit 2: Food Safety

Meaning of food safety-importance of food quality and safety for developing countries-need for patent system-advantages and procedures

Unit 3: Nutrition and health

Nutrition and health in national development-factors affecting health of the commUNITy-mal-nutrition-prevalence of malnutrition -factors contributing to malnutrition

Unit 4: Nutrition Policy and Programme

National nutrition policy-policy strategies and their implementation-ICDS, Noon meal scheme, FAO, WHO, UNICEF,CARE, ICMR,CETRI,NGOs-nutritional surveillance system

Unit 5: Nutrition Education

Meaning, scope, methods-planning, conduct and evaluation of nutrition education programmes- Strategies to combat nutritional problems.

Course Outcomes

1. Students understand the various aspects of food security and importance of PDS
2. Apply the principle of quality assurance and food safety for development
3. Know about government regulation in quality control
4. Evaluate the impact of nutritional awareness on nutritional and health status
5. Skill to develop educational programme for a target group

Text Books

1. Srilakshmi.N(2002)-*Food Science*-New Age International Private Ltd-New Delhi
2. Srilakshmi.B(2019)-*Nutritional Science*- New Age International Private Ltd-New Delhi
3. Datt and Mahajan (72nd edition)- *Indian Economy*-S.Chand and Company Limited -New Delhi

Supplementary Reading

1. Park.J.E and Park.K (2014)-Text Book of Preventive and Social Medicine
2. Mahtab.S, Bamji.N, Prasad Rao, Vinodhini Reddy- Text Book of Human Nutrition =Oxford and IBIT Publishing private limited-New Delhi.
3. Suja.R Nair(2004)-Consumer Behavior and Marketing Research-Himalaya Publishers-New Delhi.

Outcome Mapping

	PO1	PO2	PO3	PO4	PO5
CO1	2	3	3	3	3
CO2	3	2	3	2	3
CO3	3	3	3	3	2
CO4	2	2	3	3	3
CO5	3	2	3	3	2

 1-LOW   2- MEDIUM   3- HIGH

SEMESTER: II CORE: III PART: III	22UECOC23: MICRO ECONOMICS - II	CREDITS:4 HOURS:75

Course Objectives
1. Understands the various cost and revenues in the process of production.
2. Acquires knowledge of a Perfectly competitive market.
3. Understands the different Imperfect competition markets.
4. To get knowledge of pricing of factor of production –Land and Labour.
5. Understands the theories of Interest and Profit.

Unit 1: Cost and Revenue

Cost Concepts– Money cost- Economic cost- Real cost- Opportunity cost- Fixed Cost- Variable Costs – Average Cost- Marginal Cost and Total cost – Relationship between Average and Marginal cost- Short run costs- U-Shaped Long Run Average Cost Curve-L-Shaped Long-run Average Cost- Short run costs – Revenue – Average, Marginal and Total revenue- Relationship between Average Revenue and Marginal Revenue.

Unit 2: Market Structures and Perfect Competition

Market – Meaning - Classification of market –Perfect competition-Meaning- Features of perfect competition – Price Determination in perfect competition- Equilibrium of the firm and the industry in the short-run - Equilibrium of the firm and the industry in the long-run.

Unit 3: Imperfect Competition

Monopoly-Features-Price Discrimination-Monopolistic Competition-Features – Price & Output determination under Monopolistic Competition- product differentiation - Selling Cost –Wastages of Monopolistic Competition-Oligopoly – kinked demand curve – Collusion and Price Leadership-Duopoly- Cournot Model.

Unit 4: Theory of Factor Pricing-1

Marginal Productivity Theory of Distribution- Theories of Rent-Ricardian Theory, Modern Theory - Quasi Rent -Theories Of Wages- Iron Law of Wages , Wage Fund Theory- Modern theory of wages Minimum wages - Trade Union and wages.

Unit 5: Theory of Factor Pricing- 2

Interest – Meaning - Loanable Fund theory- Liquidity Preference Theory – Modern Theory of Interest –Profit- Theories of Profit - Schumpeter's Innovation theory of Profit - Knight's Uncertainty Bearing Theory of Profit - Hawley's Risk theory of profit.

Course Outcomes

After the successful completion of the course, the student will be able

1. To understand various cost concepts and their relationships.
2. To understand the concept of market competition and how price and output determined in a perfect competition.
3. To acquire Knowledge of Price and Output determination in an Imperfect market.
4. To analyze the Marginal productivity theory of distribution and the theories based on which the Rent and Wages are fixed and the importance of Trade unions.
5. To gain knowledge of the theories of Interest and profit.

Text Books

1. Cauvery.R, ,Sudha Nayak.U.K , Girija.M ,.Kruparani.N,.Meenakshi.R , Micro Economic Theory, Sultan Chand & Company LTD, Ram Nagar New Delhi.
2. Jhingan.M.L, Modern Micro Economics, Vrinda Publication Private Limited, New Delhi
3. Sankaran, S: Micro Economics - Margham Publications, Chennai Edition.

Supplementary Readings

1. Dewett, K.K. Modern Economic Theory, S. Chand & Company LTD, New Delhi.
2. Ahuja, H.L.: Advanced Economic Theory - S. Chand & Company LTD, New Delhi.
3. Koutsoyiannis, A: Modern Micro Economics - Macmillan Press Limited.

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	2	3	3	2
CO2	3	2	2	3	2
CO3	3	2	2	3	2
CO4	3	3	2	2	2
CO5	2	2	3	3	2

 1-LOW   2- MEDIUM   3- HIGH

SEMESTER: II CORE: IV PART: III	22UECOC24: MATHEMATICS FOR ECONOMICS	CREDITS: 4 HOURS: 60

Course Objectives
1. The goal of this course is to provide students with the essential concepts of Economic Model.
2. To prepare them to understand the Matrix Algebra.
3. To make them understand various Applications of Matrix Algebra.
4. To emphasize the importance of Derivatives.
5. An attempt to train students to collect and interpret data on economies

Unit 1: Introduction to mathematical functions
Economic Model, Variables, Constants, Equations and its types – Uses and limitations of mathematics in Economics- Functions of one or more variables – Linear function, Parabola, Rectangular hyperbola- Exponential, Logarithmic power function and homogenous function - Applications in Economics.

Unit 2: Matrix Algebra
Matrix Algebra Determinants – Evaluation and properties- Types of matrices – Matrix operations – Addition – Subtraction- Matrix Multiplication – Transpose and Inverse [problems]

Unit 3: Applications of Matrix Algebra
Applications of Matrix Algebra Solving a system of linear equations – Cramer's rule and Matrix inverse method- Leontief's input-output model – Open and closed model components, uses, and limitations- Hawkin – Simon conditions for viability of I-O model [problems]

Unit 4: Derivatives
Rules of Derivatives of $Y = f(X)$ Polynomial, Scalar product, Exponential and Logarithmic rules- Addition, Subtraction, Product and Division rule- Composite function, Inverse and Implicit functions rules without derivation [problems].

Unit 5: Applications of First Order Derivatives
Applications of First Order Derivatives -Marginal values, growth rate and elasticity- Relation between marginal revenue, average revenue and price elasticity – Normal revenue conditions-Marginal cost, average cost and cost elasticity – Normal cost conditions [problems].

Course Outcomes
At the end of the Course ,the Student will be able to
1. Understand the mathematical functions.
2. Learn certain Matrix Algebra.
3. Learn various applications of Matrix Algebra.
4. Understand the Derivatives of a function and learn its physical interpretation through various examples.
5. Learn various applications of First Order Derivatives.

Text Books
1. Allen R.G.D. (2001), Mathematical Analysis for Economists [Macmillan, London].
2. Chiang, A.C. [1986], Fundamental methods of Mathematical Economics [McGraw Hill, New York].
3. Metha and Madnani [1995], Mathematics for Economists [Sultan Chand, New Delhi].

Supplementary Reading
1. Lancaster, K. [1968], Mathematical Economics [Macmillan, New York].
2. Yamane Taro [1975], Mathematics for Economics [Englewood Cliffs,NewJersy].
3. Dowling [1990], Mathematical methods: Schaum Series [McGraw, New Delhi].
4. Arrow, K.J. and M.Intriugator [Eds.] [1982], Hand book of Mathematical Economics [North Holland, Amsterdam].

Outcome Mapping

	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	2
CO2	3	3	3	2	2
CO3	2	3	3	3	3
CO4	2	2	3	3	3
CO5	2	2	3	3	3

1 – Low, 2 – Moderate, 3 – High

SEMESTER: II SKILL BASED: II PART: IV	22UECOS26: PERSONALITY DEVELOPMENT	CREDITS: 2 HOURS: 30

Course Objectives
1. To Enhance holistic development of students and improve their personality
2. To understand themselves and bean effective goal-oriented team player
3. To develop professionals with idealistic, practical and moral values
4. To develop self-confidence and communication skill
5. To develop positive attitude and positive thinking

Unit 1: Personality
Meaning and Definition of Personality, Determinants of Personality, Characteristics of Personality, Stages of Personality Development, Personality traits.

Unit 2: Self Analysis
Self-Awareness, SWOTAnalysis, Attributes, Self Confidence, Importance of self-confidence, Building self-confidence, Methods of developing self-confidence, Self Esteem

Unit 3: Attitude
TypesofAttitude,Factorsinfluencingattitude,Positiveattitude,Steps toovercomechallengedattitude,Developing Positiveattitude andthinking.

Unit 4: Motivation
Meaning, need, factors affecting motivation, Basic theories of motivation, Intrinsic & Extrinsic Motivators , Self-talk, self-motivation, Achievement motivation.

Unit 5: Goal Setting
Goals – Definition,Types of goals- Short Term, Long Term, LifeTime Goals, Areas and spheres of Goal Setting, SMART principle of Goal Setting, Positive affirmation GoalSetting

Course Outcomes
After the successful completion of the Course the student will be able
1. To develop confidence to face the workplace and societyatlarge.
2. To identify and kindle their inner spirit and get self-motivated.

3. To understand their own strength and weakness.
4. To analyse their own confidence and communication skill.
5. To develop their positive approach in their career and life.

Text Books
1. Gajendra Singh Chauhan and Sangeeta Sharma, Soft Skills: An Integrated Approach to Maximize Personality,Kindle Edition,2015
2. B.N. Ghosh,Managing SoftSkills for Personality Development, Tata McGraw Hill Education Private Limited,2013
3. Prashant Sharma, SoftSkills- Personality Development for Success, BPB Publications

Supplementary Readings
1. Shikha Kapoor, Personality Development and SoftSkills: Preparing for Tomorrow, I.K International Publishing House Pvt.Ltd.,2018
2. Elizabeth Hurlock, Personality Development, McGraw Hill Education, Indian Edition, 2017
3. Barun K.Mitra, Personality Oxford University Press, Second Edition, 2016.

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	3
CO2	2	2	3	2	2
CO3	3	3	2	2	2
CO4	2	3	3	2	2
CO5	2	3	2	2	3

 1-LOW   2- MEDIUM   3- HIGH