MANONMANIAM SUNDARANAR UNIVERSITY,
TIRUNELVELI-12

SYLLABUS

PG - COURSES – AFFILIATED COLLEGES

Course Structure for MA Economics
(Choice Based Credit System)
(with effect from the academic year 2026-2027 onwards)

Semester-I				
Part	**Subject Status**	**Subject Title**	**Subject Code**	**Credit**
III	CORE I	ADVANCED MICRO ECONOMICS		5
III	CORE II	INDIAN ECONOMIC DEVELOPMENT AND POLICY		5
III	CORE III	STATISTICS FOR ECONOMISTS		4
III	ELECTIVE I	RURAL ECONOMICS		3
III	ELECTIVE II	WELFARE ECONOMICS		3

Total Marks: 100   Internal Exam: 25 marks + External Exam: 75 marks

A. **Scheme for internal Assessment**:
   Maximum marks for written test: **20 marks**
   3 internal tests, each of **I hour** duration shall be conducted every semester.
   To the average of the **best two** written examinations must be added the marks scored in. The **assignment** for 5 marks.

   The break up for internal assessment shall be:
   Written test- 20 marks; Assignment -5 marks   Total - 25 marks

B. Scheme of External Examination
   3 hrs. examination at the end of the semester
   A – Part : 1 mark question two - from each unit
   B – Part : 5 marks question one - from each unit
   C – Part : 8 marks question one - from each unit

- **Conversion of Marks into Grade Points and Letter Grades**

S.No	**Marks**	**Letter Grade**	**Grade point (GP)**	**Performance**
1	90-100	O	10	Outstanding
2	80-89	A+	9	Excellent
3	70-79	A	8	Very Good
4	60-69	B+	7	Good
5	50-59	B	6	Above Average
6	40-49	C	5	Pass
7	0-39	RA	-	Reappear
8	0	AA	-	Absent

- **Cumulative Grade Point Average (CGPA)**

$$\mathbf{CGPA} = \frac{\mathbf{\Sigma\,(GP \times C)}}{\mathbf{\Sigma C}}$$

  - **GP** = Grade point, **C** = Credit
  - CGPA is calculated only for Part-III courses
  - CGPA for a semester is awarded on cumulative basis

- **Classification**
  a) First Class with Distinction : CGPA $\geq$ 7.5*****
  b) First Class : CGPA $\geq$ 6.0
  c) Second Class : CGPA $\geq$ 5.0 and $<$ 6.0
  d) Third Class : CGPA $<$ 5.0

ADVANCED MICRO ECONOMICS

Unit I: Consumer Choices

Cardinal and Ordinal Utility Approaches - Indifference curve approach – Marginal Rate of Substitution - Consumers' Equilibrium (Optimization) - Slutsky's Decomposition of price effect into substitution effect and income effect – Consumer surplus - Marshall's and Hicksian measures – Compensatory Demand Curve- Revealed Preference Theorem.

Unit II: Economics of Information

Informational asymmetry –- Decision-making under uncertainty: Expected utility, risk aversion, and risk sharing - N-M Index – Hidden Information: Market for lemons - Signaling and Screening. Hidden action (Moral Hazard) – Insurance market and adverse selection – Solution to principal agent problem.

Unit III: Market Structure Models

a. Perfect competition – Price and output determination – Optimum firm
b. Monopoly – Short run and long run equilibrium - Price discrimination, monopoly control and regulation – Contestable Market
c. Monopolistic competition–Chamberlin Model: selling costs - Excess capacity –
d. Oligopoly – Duopoly price game - dominant strategy - Nash Equilibrium – Non collusive Models - Cournot- Bertrand – Chamberlin – Edgeworth – Sweezy – Stackelberg - Oligopoly - Collusive Models - Cartels and mergers -Price leadership.
e. Monopsony – Price and output determination – Workable competition.

Unit -IV: Alternative Theories of Firm

Full Cost Pricing Rule- Limits pricing theory- Bains Theory- Sylos-Labini Model - Modigliani's Models- Input-output model - Linear programming applications in Decision-making.

Unit -V: Theories of Distribution

Neo-classical approach – Marginal productivity theory; Product exhaustion theorem; - Modern theory of distribution – Factor Pricing in imperfect product and factor markets- Determination of Wages – Labour supply and wage determination – Role of trade unions and collective bargaining.

Text Books:

1. Jhingan M.L, (2004 Reprint) Advanced EconomicTheory, Vrindha Publications (P) Ltd., New Delhi.
2. Agarwal, H.S. Micro Economic Theory, (Ane's Books Pvt. Ltd.,) New Delhi.

3. Ahuja, H.L. Advanced Micro Economic Theory, (S.Chand & Company Ltd., New Delhi

References:

1. Hal R. Varian (2004), Intermediate Micro Economics (East-West Press: New Delhi).
2. Ruffin Roy. J (1992), Intermediate Micro Economics Harper & Collins Publishers.
3. Koutsyiannis A. (1978), Modern Micro Economics, (Macmillan- London).

INDIAN ECONOMIC DEVELOPMENT AND POLICY

Unit I: Structure and organization of Indian Economy

Growth and Structural Change of Indian economy at Independence, The policy framework – Statist policy, Transition to market oriented policy, Role of erstwhile Planning Commission and NITI Aayog- Two phases of growth (Pre and Post Liberalisation), Factors underlying turnaround Structural change in Indian Economy.

Unit II: Agricultural and Industrial Sector

Performance of Agricultural sector, Factors determining Agricultural Growth , Factors underlying Food Inflation, Agricultural price policy and Food Security, ICT and Agriculture, Industrial Growth before and after Reforms, Dualism in Indian manufacturing, Issues in performance of Public Sector Enterprises and Privatization, Role of PPP in Industrial Growth.

Unit III: Fiscal Developments

Fiscal Development in India, Finance and External Sector trends, GST: Rationale and Impact, Evolution of the financial sector in post-liberalization period

Unit IV: Poverty and Inequality

Poverty-Measuring poverty – Flaws in Measurements - Poverty in pre and post liberalization periods in India - Impact of growth on poverty- PDS vs Cash transfers, Feasibility of universal basic income in India – Inequality in India in pre and post liberalization periods.

Unit V: Social Sector

Social Issues Gender gap in India: A Social Issue, Trends in Female Labour Force participation rates, Factors determining Female Labour Force participation, Changing nature of Employment in India, Jobless Growth, Labour in Informal Sector, India's Demographic Transition and Employment.

Text Books:

1. Sundaram KP M., (2002), Indian Economy, 42 revised edition., S. Chand Publications
2. Misra,S,& Puri, V.,(2020.), Indian Economy, Revised Edition., S. Chand Publications

Reference Books:

1. Kaushik Basu(Ed.) (2012), Oxford Companion to Indian Economy, 3rd Edition, OUP, New Delhi.
2. Uma Kapila (Ed.)(2018), Indian Economy since Independence, Academic Foundation, New Delhi, 29th Edition.
3. Ashima Goyal (Ed.) The Oxford Handbook of the Indian Economy in the 21st Century : Understanding the Inherent Dynamism, Oxford University Press.

Web References:

1. https://www.adb.org/countries/india/economy
2. https://www.oecd.org/economy/india-economic-snapshot/
3. https://www.indiabudget.gov.in/economicsurvey/

STATISTICS FOR ECONOMISTS

Unit I: Correlation and Regression

Simple Correlation – Types – Karl Pearson's Correlation Co-efficient and Spearman's Rank Correlation Co-efficient and their properties – Simple Regression – Types of regression – Methods of Estimation of Linear Equations Using Ordinary Least Square Method – Partial and Multiple Correlation and Regression.

Unit – II : Probability Theory and Distribution

Probability - Addition and Multiplication Theorems - Conditional Probability - Discrete and Continuous - Random Variables - Mathematical Expectations – Bayes Theorem – Theoretical Distributions - Binomial, Poisson and Normal.

Unit – III: Sampling Theory

Sampling – Basic Concepts and Laws of sampling – (Law of Statistical Regularity and Law of Inertia of Large Numbers) – Sampling Errors – Sampling Distributions – Sampling Distribution of means Sampling Distribution of Proportions – Standard Error and its uses.

Unit – IV: Testing of Hypothesis

Null and Alternative Hypothesis – Simple and Composite Hypothesis – Type I and Type II Errors – Critical Region – Level of Significance – One Sided and Two Sided Tests – Sample Distributions "Z", "t", "F", Chi Square Test, Distributions – Testing of Means and Analysis of Variance (ANOVA) – Goodness of Fit.

Unit – V: Statistical Decision Theory

Definitions – Concepts – Maximin – Minimax - Bayes Criterion – Expected Monetary Value – Decision Tree Analysis: Symbols – Steps – Advantages and Limitations.

Text Books

1. Gupta S.P., Statistical Methods, Sultan Chand and Sons, New Delhi, 2017.
2. Anderson, Sweeney and Williams, "Statistics for Business and Economics",Cengage,2014.

References:

1. Aggarwal. Y.P (2002), "Statistics Methods – Concepts Application and Computation", Sterling Publishers Private Ltd., New Delhi.
2. Vittal P.R., Mathematical Statistics, Margham Publications
3. Pillai R.S.N. and Bagavathi V (2010), Statistics, Sultan & amp; Chand Sons, New Delhi.

Web Resources

1. https://www.statista.com.
2. https://techjury.net
3. https://dss.princeton.edu/online_help/analysis/interpreting_regression.htm

RURAL ECONOMICS

Unit I: Introduction to Rural Economics

Nature and Scope of Rural Economics - Inter-disciplinary approach of Rural Economics –Components - Structure and Characteristics -Pre and Post-independence – Rural Development: Meaning, Nature and Scope - Factors Affecting Rural Growth

Unit II: Rural Resources and Rural development theories

Rural Resources: Nature, Types and Magnitude - Rural Resources Management and Development - Application of Technology in Rural Development – Problems and prospects - W.W. Rostow's - Lewis-Fei-Ranis and Gandhian Approach to Rural Development.

Unit III: Rural Demography and Occupational Structure

Demography: Population Size, Sex and Age Composition - Density of Population- Population Problems and Challenges – Family Welfare Measures in Rural India - Occupational Structure: Nature of Rural Occupations - Occupational Distribution in Rural India – The Concept of Work Participation Rates.

Unit IV: Rural Poverty and Unemployment

Rural Poverty: Meaning, Estimates, Causes and Consequences – Unemployment: Meaning, Types and Magnitude of Rural Unemployment - Causes and Consequences -

National Programmes for Rural Development - Community Development Programmes and Employment Guarantee Schemes.

Unit V: Rural Empowerment Programmes

Bharat Nirman, Provisions of Urban Amenities in Rural Area (PU RA), Mahatma Gandhi National Rural Employment Guarantee Act - Agencies for Rural Development: Government, Semi-Government Organisations, Co-Operative Institutions, Non-Government Organisations and Voluntary Agencies for Rural Development.

Text Books:

1. Vasant Desai: Rural Development in India, Himalaya Publishing House, Mumbai, 2012.
2. Dutt and Sundaram- Indian Economy, S.Chand Publications, New Delhi, 2013-07-02.

References Books:

1. Singh, K., & Shishodia, A. (2016). Rural development: Principles, policies, and management. SAGE Publishing India.
2. Hoff, K., Braverman, A., &Stiglitz, J. E. (1993). The economics of rural organization. Oxford: Oxford University Press.
3. Hill, B., & Ray, D. (1987). Economics for agriculture: food, farming and the rural economy. Basingstoke, UK: Macmillan Education.

Web Resources:

1. https://www.kobo.com/us/en/ebooks/public-finance
2. https://www.amazon.in/PUBLIC-FINANCE-AMBAR-GHOSH-ebook/dp/B07W5F2P1Q
3. https://www.niti.gov.in/sites/default/files/2021-08/11_Rural_Economy_Discussion_Paper_0.pdf

WELFARE ECONOMICS

Unit 1: Introduction to Welfare Economics

Welfare Economics: Meaning- Concepts: Individual and Social Welfare- Value Judgments- Preferences and Utility - Utility function: Properties – Interpersonal comparisons of utility: degrees of interpersonal comparability. –Social Welfare Function: –Bentham’s Utilitarianism- Pigouvian Welfare Economics.

Unit II: Approaches to Welfare

Cardinal and Ordinal Approaches- Hicks’s Four Measures of Consumers’ Surplus- Partial and General Equilibrium- Edgeworth Box Diagram- General Equilibrium of Production and Exchange.

Unit III: Pareto Optimality Conditions

Pareto-Optimality Criterion -Definition-Marginal Conditions of Pareto Optimum – Perfect Competition and Pareto Optimality- Exceptions –Externalities – Public Goods and Market Failure – Theory of Second Best.

Unit IV: New Welfare Economics

New Welfare Economics – Kaldor- Hicks Compensation Criterion – Utility Possibility Curve -Shortcomings – Scitovsky Paradox – Scitovsky's Double Criterion of Welfare– Little's Criterion.

Unit V: Theories of Social Choice

Utility Possibility Curve and Frontier Grand Utility Possibility Curve- Iso Welfare Curves- Arrow's Impossibility Theorem –Amartya Sen and Capability Theorem – Rawls Theory of Social Justice.

Text Books

1. Verma K.N (2012) Microeconomic Theory ,Vishal Publishing House
2. Per –Olov Johannson(2009) An introduction to Modern Welfare Economics, Cambridge University Press

References

1. Arrow, Kenneth J (1963) Social Choice and Individual Values, Cowles Foundation Monograph 12, 2nd ed. Yale University
2. Bossert, Walter and Kotaro Suzumura (2010) Consistency, Choice and Rationality, Harvard University Press: Cambridge MA
3. Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, Oxford.

Web Resources

1. https://conceptually.org/concepts/pareto-principle
2. https://web.stanford.edu/~jdlevin/Econ 202/General Equilibrium.pdf
3. https://policonomics.com/lp-welfare-economics1-general-equilib