## Department of Economics

The Gandhigram Rural Institute - Deemed to be University, Gandhigram-624 302

### CURRICULUM DESIGN - M.A. ECONOMICS PROGRAMME

(To be offered from the academic year 2018-19 under the CBCS)

<table>
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<th>Course Code</th>
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<th>No. of Credits</th>
<th>Hours/Week</th>
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* Offered by other departments

** The evaluation criteria for Dissertation will be: 75 marks for external evaluation, 75 marks for internal evaluation and 50 marks for joint viva-voce examination.
Major Electives

1. 18ECOP03E1 - Health Economics
2. 18ECOP03E2 - Project Planning and Evaluation
3. 18ECOP03E3 - Globalization and WTO: Issues and Strategies

Non-Major Electives

1. 18ECOP02N1 - Indian Economy
2. 18ECOP02N2 - Globalization and WTO: Issues and Strategies
3. 18ECOP02N3 - Entrepreneurship
4. 18ECOP02N4 - Development Economics
5. 18ECOP02N5 - Agricultural Economics

Modular Courses (Choose any one) - Group I

1. 18ECOP03M1 - Rural Resource Mapping & Analysis
2. 18ECOP03M2 - Human Development Index and its Applications
3. 18ECOP03M3 - Participatory Rural Appraisal

Modular Courses (Choose any one) - Group II

1. 18ECOP04M4 - Budget Analysis
2. 18ECOP04M5 - Environmental Impact Assessment
3. 18ECOP04M6 - Rural Energy Assessment

The Department of Economics Offers the following Core / Non-Major Elective / Allied Courses to other Departments

Department of Rural Development (PG Programme - M.A (RD))

1. 18ECOP0102 - Agricultural Economics
2. 18ECOP0308 - Development Economics

Department of Political Science and Development Administration (PG Programme - M.A 5 Yr. Int. Dev.)

1. 18ECOPN003 - Elements of Economics
2. 18ECOP0308 - Development Economics

Rural Energy Centre (PG Programme - M.Tech - Renewable Energy)

1. 18ECOPN004 - Energy Economics and Policy

Department of Co-operation (UG Programme)

1. 18ECOU03N1 - Principles of Economics
2. 18ECOU03N2 - Indian Economy
### Abstract

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<th>Sl. No.</th>
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MICRO ECONOMIC ANALYSIS

Semester : I            No. of Credits: 4
Course Code : 18ECOP0101           No. of Hours: 64

Objective
To provide the students with the advanced theoretical foundations in micro economic analysis.

Specific Objectives of Learning
The students would be able
1. To apply the concepts and tools of micro economics in real life situations.
2. To identify micro economic problems and solve them in practical world.

UNIT I: DEMAND ANALYSIS                        (11 hrs)
Theories of Demand - Marshallian Utility Analysis - Indifference Curve Analysis - Revealed
Preference Theory - Revision of Demand Theory - Consumer’s Choice Involving Risk -
Indirect Utility Functions (Duality Theory) - Cobweb Theorem.

UNIT II: THEORY OF PRODUCTION, COSTS AND REVENUE                      (13 hrs)
Theory of Production - Production Function - Types - Law of Variable Proportions and
Returns to Scale - Economies of Scale - Equilibrium of Firm - Isoquants - Expansion Path -
Production Possibility Curve - Cost and Revenue analyses.

UNIT III: MARKET STRUCTURE AND PRICING                       (16 hrs)
Market - Features - Classification - Equilibrium of Firm and Industry - Pricing under
Different Market Conditions: Perfect Competition - Monopoly - Monopolistic Competition -
Oligopoly - Monopsony - Bilateral Monopoly.

UNIT IV: THEORY OF DISTRIBUTION AND WELFARE ECONOMICS                                         (14 hrs)
Marginal Productivity Theory of Distribution: Theories of Rent, Wages, Interest, and Profit -
Parato Optimal Conditions - Social Welfare Functions.

UNIT V: ECONOMICS OF UNCERTAINITY AND COMPETITIVE FIRM UNDER UNCERTAINTY     (10 hrs)
Individual Behaviour towards Risk - Risk Aversion - Gambling - Insurance - Risk Pooling and
Spreading - Portfolio Selection.

Text Books

Reference Books
     Hill, New Delhi.
Objective
To provide the students with a detailed treatment of issues in agricultural economics, particularly in the Indian context.

Specific Objectives of Learning
Students would be able
1. To examine the issues in Indian agriculture.
2. To recognize problems in Indian agriculture.
3. To plan for agricultural development.

UNIT I: AGRICULTURE AND ECONOMIC DEVELOPMENT (10 hrs)
Nature and Scope of Agricultural Economics - Interdependence between Agriculture and Industry Traditional Agriculture and its Modernization: Sustainable Agriculture and Organic Farming - Contract farming.

UNIT II: DIVERSIFICATION OF AGRICULTURE AND ALLIED ACTIVITIES (13 hrs)
Crop Planning - Cropping Intensity, Cropping Pattern and Influencing Factors - Diversification - Economics of Allied Agricultural Activities: Dairy, Poultry, Fishery and Sericulture - Problems and Prospects.

UNIT III: AGRICULTURAL INPUTS, PRODUCTION AND PRODUCTIVITY (14 hrs)

UNIT IV: AGRICULTURAL FINANCE (12 hrs)
Need for Agricultural Finance - Non-institutional Sources of Agricultural Finance: Money Lenders - Traders Commission Agency - Land lords - Institutional Sources of Agricultural Finance: Cooperative Banks, Commercial Banks, NABARD, RRBs.

UNIT V: AGRICULTURAL MARKETING (15 hrs)

Text Books

Reference Books
Objective

To expose the students to different sectors and issues of the Indian Economy.

Specific Objectives of Learning

The students would have

1. Understood the nature and structure of Indian Economy
2. Gained skills in identifying different issues and examining them in the globalized era.

UNIT I: INDIA AS A DEVELOPING ECONOMY (10 hrs)

Meaning of an Under Developed Economy - Basic Characteristics of Indian Economy - Major Issues of Developing Economy - India as a Mixed Economy - Sustainable Development - Indicators - Objectives and Approaches.

UNIT II: ECONOMIC PLANNING IN INDIA (10 hrs)


UNIT III: AGRICULTURAL ECONOMY OF INDIA (15 hrs)

Role of agriculture in the Indian Economy - Programmes and Progress under Five Year Plans - Present Position of Indian Agriculture - National Commission on Farmers - A Review. Agrarian distress - Doubling farmer’s income

UNIT IV: INDUSTRIAL ECONOMY OF INDIA (14 hrs)

The Role and pattern of Industrialization - Trends in the Growth of Industries in India - Programmes and Schemes for Industrial Development under Five Year Plans - Problems and Prospects.

UNIT V: INDIAN BUDGET AND PARALLEL ECONOMY (15 hrs)


Text Books


Reference Books

Objective
To train the students in the core areas of quantitative techniques and its application in economic analysis.

Specific Objectives of Learning
1. The students will become capable of applying quantitative techniques in economic research.
2. They would be able to build quantitative models.

UNIT I: SET THEORY AND NUMBER SYSTEM (10 hrs)

UNIT II: ELEMENTS OF ALGEBRA AND ANALYTICAL GEOMENTRY (12 hrs)
Relations and Functions: Functions with One and Two Variables - Straight Line - Parabola - Rectangular Hyperbola - Exponential and Logarithmic - Concave and Convex Functions. Equations: Solutions of Linear and Quadratic Equations.

UNIT III: DIFFERENTIATION (15 hrs)

UNIT IV: OPTIMIZATION PROBLEMS IN ECONOMICS (15 hrs)

UNIT V: MATRICES (12 hrs)
Basic Concepts - Different Types of Matrices, Addition and Multiplication of Matrices - Inverse - Rank - Determinants - Solution of Simultaneous Equations - Cramer’s Rule - Inverse of Matrix.

Text Books

Reference Books
RESEARCH METHODS

Objective

To familiarize the students with different methods and techniques of social science research.

Specific Objectives of Learning

1. The students would have developed scientific outlook towards a social problem.
2. The students would have gained skills in employing methods and techniques of scientific research in their research projects.

UNIT I: SCIENTIFIC RESEARCH (12 hrs)


UNIT II: RESEARCH PROCESS (12 hrs)


UNIT III: METHODS OF RESEARCH (12 hrs)


UNIT IV: TOOLS OF DATA COLLECTION (15 hrs)


UNIT V: REPORT WRITING (13 hrs)


Text Books


Reference Books

COMMUNICATION / SOFT SKILLS

Semester : I           No. of Credits: 2
Course Code : 17ENGP00C1          No. of Hours: 30

Objective

To enhance holistic development of students and improve their employability skills.

Specific Objectives of Learning
1. To develop interpersonal skills and be an effective global oriented team player.
2. To develop professionals with idealistic, practical and moral values.
3. To develop communication and problem solving skills.
4. To re-engineer attitude and understand its influence on behavior.

UNIT I: SELF ANALYSIS  (4 hrs)
SWOT Analysis, Who am I, Attributes, Importance of Self Confidence, Self Esteem.

UNIT II: ATTITUDE     (4 hrs)

UNIT III: MOTIVATION  (6 hrs)
Factors of motivation, Self talk, Intrinsic & Extrinsic Motivators.

UNIT IV: GOAL SETTING (6 hrs)
Wish List, SMART Goals, Blue print for success, Short Term, Long Term, Life Time Goals. Time Management Value of time, Diagnosing Time Management, Weekly Planner To do list, Prioritizing work.

UNIT V: CREATIVITY    (10 hrs)
Out of box thinking, Lateral Thinking Presentation.

• Common Syllabus for all UG Disciplines offering the Paper on “Communication and Soft Skills”.
• This paper is Compulsory Non-Credit Course.
• 2 Hours per week / 30 Hours per semester.
• 2 Trained Teachers, coming under FEFL, engage the sessions for both UG/PG Courses.
• Course Content will be supplied for a minimum cost.
Semester -I

18ECOP01F1: Extension / Field Visit

(Course Code: 18ECOP01F1  Credit: 2  Marks: 50)
MACRO ECONOMIC ANALYSIS

Objective

To equip the students with the theories and issues in macro economics.

Specific Objectives of Learning

Students would have

1. acquired knowledge in macro economic issues and understood the functioning of macro economic systems and policies.
2. Gained skills in the application and analysis in macro economics.

UNIT I: NATIONAL INCOME ACCOUNTING


UNIT II: THEORY OF EMPLOYMENT


UNIT III: CONSUMPTION AND INVESTMENT FUNCTION


UNIT IV: NEO CLASSICAL AND KEYNESIAN SYNTHESES

Commodity market equilibrium - Money Market equilibrium - ISLM frame work and analysis - Post-Keynesian Demand for Money: Patinkin, Baumol and Tobins - Friedman and Modern Quantity Theory.

UNIT V: INFLATION AND TRADE CYCLE

Inflation - types - Approaches to Inflation: - Classical, Keynesian, Monetarist - Philip’s curve analysis - Tobin’s Modified Philips Curve - Policies to Control Inflation - Theories of Trade Cycle - Control of Trade Cycle - Supply Side Economics.

Text Books


Reference Books

MONETARY ECONOMICS

Semester : II            No. of Credits: 4
Course Code : 18ECOP0206            No. of Hours: 64

Objective

To make the students understand theories and concepts of monetary economics.

Specific Objectives of Learning

1. The students will become conversant with the theory and practice of monetary economics
2. They will be able to analyze the relation between monetary forces and real forces.
3. They will have complete knowledge on working of different monetary institutions.

UNIT I: MONEY AND ITS NATURE (12 hrs)


UNIT II: VALUE OF MONEY (10 hrs)


UNIT III: BANKING AND NON BANKING FINANCIAL INTERMEDIARIES (15 hrs)

Banking: The Central Bank and Monetary Policy in India - Commercial Banks and their functions - Development Banks - Investment banking, Merchant Banking - Financial sector reforms in India - Narasimham Committee Report - Failure of Government and growing NPAs - Non-Banking Financial Intermediaries and their impact on India's economic development.

UNIT IV: FINANCIAL MARKETS (15 hrs)

Money market and capital market: Money Market - Role, Instruments and agencies - Instruments - capital market: role - Government securities market - Derivatives: types, uses and pricing of derivatives - primary and secondary market for securities - role of SEBI, role of IRDA.

UNIT V: INTERNATIONAL MONETARY SYSTEM AND CAPITAL FLOWS (12 hrs)

International Investment: Types, Significance and Growth - Factors affecting International Investment - FDI and Portfolio Investment: Types, Significance and Trends - Role of IMF, Role of IBRD.

Text Books


Reference Books

INTERNATIONAL ECONOMICS

Semester : II  
No. of Credits: 4

Course Code : 18ECOP0207  
No. of Hours: 64

Objective

To impart the principles and theories of International trade to the students.

Specific Objectives of Learning

1. The students would be able to examine and apply the theories and principles of international economics in the context of LPG.
2. They would be exposed to different functionaries systems and institutions working in international market.

UNIT I: THEORY OF INTERNATIONAL TRADE  
(10 hrs)


UNIT II: GAINS FROM TRADE AND TERMS OF TRADE  
(12 hrs)

Gains from trade - Distribution of gains - Terms of trade - meaning, types, equilibrium - Factors - Effects - Reasons for the Unfavourable Terms of Trade - Free Trade Vs Protection - Tariffs - Different Types - Effects - Quotas and their Effects.

UNIT III: BALANCE OF PAYMENTS  
(12 hrs)


UNIT IV: FOREIGN EXCHANGE  
(15 hrs)

Foreign exchange market - functions, transactions exchange rate - Determination of exchange rates: Purchasing power parity theory, Modern theory of exchange rate, equilibrium rate of exchange - Flexible Vs fixed exchange rate - Currency Convertibility - exchange control: Objectives, methods and forms - Foreign Exchange Management Act (FEMA)

UNIT V: INTERNATIONAL FINANCIAL INSTITUTIONS, REGIONAL BLOCKS AND INSTITUTIONS IN EXIM MANAGEMENT  
(15 hrs)


Text Books


Reference Books

COMPUTER APPLICATION FOR ECONOMICS

Semester : II  No. of Credits: 4
Course Code : 18ECOP0208  No. of Hours: 64

Objectives: To familiarize the students on the importance of the application of computer techniques in data analysis for economics.

Specific Objectives of Learning
1. The students would have gained knowledge in the computer application for economics
2. They would have developed skills in application of computer techniques in the data analysis for economics.

UNIT I: Introduction: (10 hrs)
Computer Application for economics, need and scope - objectives, importance, MS-Word opening, saving and printing document files, Editing and formatting of documents, inserting page numbers and footnotes, Table: Auto Format and Properties.

UNIT II: Data Set (10 hrs)
Data and Information: Annual Survey of Industries meaning, types, Primary, Secondary-Time Series documents, Cross section, Pooling with illustration- ASI, Agriculture Census, Census Reports, World Bank, RBI, NSSO- Advantages and limitations of Database- System; Transfer of data among different softwares.

UNIT III: Creation and Graphs and Diagrams (12 hrs)
Preparing tables, Introduction to MS Power Point, Preparation of presentations in Power point using design template and text structure layouts. Editing the document. Designing and redesigning the document. Records and mail merge.

UNIT IV: Formatting of Data (17 hrs)
Introduction to Microsoft Excel: Creation of worksheets; Data entry, formatting. Insertion of rows and columns. Entering data and processing using Excel - downloading data from internet and its conversion into application - Mathematical and statistical calculations - Excel functions. Applications in economics using examples - computing mean, median, mode, standard deviation and CV- Creating and Modifying graphs, diagrams and other charts.

UNIT V: Analysis of Data with models SPSS (15 hrs)
Introduction to SPSS: Creation of data files, assigning names and labels to variables, sort cases, import/export of files, computing variable, data analysis: Descriptive statistics, Comparing means, Correlation analysis, ANOVA, Regression Analysis, Chi-square.

Text Books

Reference Books
APPLIED STATISTICS

Objective

To train the students in the theory and application of statistical methods.

Specific Objectives of Learning

1. The students would have gained knowledge in the scientific methods of data collection
2. They would have developed skills in selection and use of statistical methods in the analysis of socio-economic data.

UNIT I: INTRODUCTION

Definitions, scope, functions and limitations; sources and types of data; Classification and Tabulation of data; Frequency distributions; Diagrammatic and graphical presentation of data; Institutional arrangements for Statistical Data Collection and Reporting - NSSO - SRS.

UNIT II: SAMPLING TECHNIQUES

Sampling: Definitions - Advantages and Limitations; Techniques of sampling-Random and Non-Random Sampling Techniques, Merits and demerits; Sampling and Non-sampling errors, Determination of sample size and judging the reliability of the sample.

UNIT III: UNIVARIATE MEASURES

Central Measures, Measures of Dispersion - Measures of Skewness and Kurtosis; one way ANOVA; Index Number and Time Series.

UNIT IV: BIVARIATE MEASURES

Measures of relationship between variables: Correlation-Concept, Definition, Types, Methods of correlation and uses; Casual Analysis: Regression-concept, Definition; Regression equations - Properties of Regression Coefficients and Uses of Regression Analysis; Association of Attributes-Concept and Measures; Factor Analysis.

UNIT V: PROBABILITY DISTRIBUTIONS AND TESTING OF HYPOTHESIS

Probability - Concepts - Definitions and Applications - Binomial, Poison and Normal Distributions - Definition, Uses and Applications; Testing of Hypothesis - Type I and Type II Errors; Level of Significance; Parametric and Non-Parametric Tests with applications.

Text Books


Reference Books

Non-Major Electives
INDIAN ECONOMY

Semester : II No. of Credits: 4
Course Code : 18ECOPNME1 No. of Hours: 64

Objective
To expose the students to different sectors and issues of Indian Economy.

Specific Objectives of Learning
1. The students would have gained exposure to the functioning of and trends in different sectors in Indian economy.
2. They will become capable of choosing research topics and conducting research in Indian economic issues.

UNIT I: INDIA AS A DEVELOPING ECONOMY (10 hrs)
Meaning of an Under Developed Economy - Basic Characteristics of Indian Economy - Major Issues of Developing Economy - India as a Mixed Economy - Sustainable Development - Indicators - Objectives and Approaches.

UNIT II: ECONOMIC PLANNING IN INDIA (10 hrs)

UNIT III: AGRICULTURAL AND INDUSTRIAL ECONOMY OF INDIA (15 hrs)
Role of agriculture in the Indian Economy - Programmes and Progress under Five Year Plans - Present Position of Indian Agriculture - National Commission on Farmers-A Review. Agrarian distress -Doubling farmer’s income

UNIT IV: INDUSTRIAL POLICIES (14 hrs)
The Role and pattern of Industrialization - Trends in the Growth of Industries in India - Programmes and Schemes for Industrial Development under Five Year Plans - Problems and Prospects.

UNIT V: INDIAN BUDGET AND PARALLEL ECONOMY (15 hrs)

Text Books

Reference Books
GLOBALIZATION AND WTO: ISSUES AND STRATEGIES

Semester : II  No. of Credits: 4
Course Code : 18ECOPNME2  No. of Hours: 64

Objective

To enable the students understand the fundamentals of Globalization and WTO.

Specific Objectives of Learning

1. The students would become familiar with the process and impact of globalization
2. They would have clear understanding over the functioning of international institutions.
3. They would have gained skills in analyzing and reporting the complexities of global issues.

UNIT I: GLOBALISATION  (10 hrs)


UNIT II: EVOLUTION OF GLOBAL LIBERALIZATION: GATT / WTO  (15 hrs)


UNIT III: WTO AGREEMENTS  (12 hrs)

Features - Trade Related Intellectual Property Rights (TRIPs) Intellectual property Rights, copyrights, Trade marks, Designs and AOA.

UNIT IV: IMPACT OF GLOBALIZATION  (15 hrs)


UNIT V: CHALLENGES OF GLOBALIZATION AND WTO  (12 hrs)

Issues in Tariff and non-Tariff Barriers - Trade and Environment - UN conference on Environment and Trade in Services - Third world Unity in WTO.

Text Books


Reference Books

ENTREPRENEURSHIP

Semester : II
Course Code : 18ECOPNME3

Objective

To enable students acquire theoretical and practical knowledge of Entrepreneurship.

Specific Objectives of Learning
1. The students would have developed aptitude towards entrepreneurship
2. They would have acquired skills in selecting business project and preparing a project proposal.
3. They would have developed a fair understanding over the entrepreneurial assistance provided by different institutions.

UNIT I: Introduction to Entrepreneurship (10 hours)

Concept - Types - Entrepreneurship as a career - Theories of Entrepreneurship - Growth of Entrepreneurship in India - Role of Entrepreneurship in Economic development - Factors affecting Entrepreneurial growth

UNIT II: Entrepreneurial Motivation (10 hours)

Motivation process - Theories of motivation: Maslow, McClelland - Factors motivating entrepreneurs - Major Entrepreneurial Competencies - Entrepreneurial Development programme: Objectives, Contents, Phases - Kakinada Experiment

UNIT III: Identification and Evaluation of Business Opportunities (9 hours)

Sources of project idea - Project selection - Project Appraisal: Economic analysis - Financial analysis - Market analysis, Technical feasibility - Human resource Mobilisation - Management competence

UNIT IV: The Business Project Formulation (10 hours)

Need for a good business plan - Guidelines for formulation of a project report - Network Analysis - Critical Path Method - Common errors in project formulation - Preparation of a Business Plan (individual work)

UNIT V: Practical Aspects of Entrepreneurship (9 hours)

Sources of Finance - Ownership structures - Institutional support to Entrepreneurs - Steps for starting an SSI unit - Industrial Sickness: Signals, Symptoms and Corrective Measures

Text Books

Reference Books
Objective

To offer a survey of mainstream theories of development and growth.

Specific Objectives of Learning
1. The students would have understood different dimensions of economic development.
2. They would have developed a mental framework on growth and development models.

UNIT I: ECONOMIC DEVELOPMENT AND GROWTH (10 hrs)


UNIT II: THEORIES OF ECONOMIC DEVELOPMENT – I (15 hrs)

Adam Smith - J.S. Mill - Karl Marx - Schumpeter - Keynes - Rostow - Nurkse.

UNIT III: THEORIES OF ECONOMIC DEVELOPMENT – II (15 hrs)

Lewis - Fei-Ranis - Leibenstein - Rosenstein - Rodan’s Doctrine of Balanced Growth - Concept of Unbalanced Growth - Dualistic Theory - Myrdal’s Theory.

UNIT IV: GROWTH MODELS (15 hrs)


UNIT V: MEASURES FOR ECONOMIC DEVELOPMENT – DOMESTIC (9 hrs)

Domestic Measures: Capital formation - human capital formation - Role of State - International Measures: Foreign Trade, Foreign Capital and MNCs.

Text Books

Reference Books
Objective
To provide the students with a detailed treatment of issues in agricultural economics, particularly in the Indian context.

Specific Objectives of Learning
Students would be able
1. To examine the issues in Indian agriculture.
2. To recognize problems in Indian agriculture
3. To plan for agricultural development.

UNIT I: AGRICULTURE AND ECONOMIC DEVELOPMENT (10 hrs)
Nature and Scope of Agricultural Economics - Traditional Agriculture and its Modernization: Sustainable Agriculture and Organic Farming - Interdependence between Agriculture and Industry.

UNIT II: DIVERSIFICATION OF AGRICULTURE AND ALLIED ACTIVITIES (13 hrs)
Crop Planning - Cropping Intensity, Cropping Pattern and Influencing Factors - Problems of Farmers - Diversification - Economics of Allied Agricultural Activities: Dairy, Poultry, Fishery and Sericulture - Problems and Prospects.

UNIT III: AGRICULTURAL INPUTS, PRODUCTION AND PRODUCTIVITY (14 hrs)

UNIT IV: AGRICULTURAL FINANCE (12 hrs)
Need for Agricultural Finance - Non-institutional Sources of Agricultural Finance: Money Lenders - Traders Commission Agency - Landlords - Institutional Sources of Agricultural Finance: Cooperative Banks, Commercial Banks, NABARD, RRBs.

UNIT V: AGRICULTURAL MARKETING (15 hrs)

Text Books

Reference Books

Compulsory Non Credit Course
GANDHIAN IN EVERYDAY LIFE

Semester : II
Course Code : 17GTPP0001

Objective
To understand the Gandhian principles and their relevance in the contemporary times.

Specific Objectives of Learning
1. Students would have gained knowledge in Gandhian principles
2. They would have developed conviction towards applying them in solving day to day problems.

Unit I: Understanding Gandhi
Childhood days - Student days - influence of Books and Individuals - Religion - Family and Social factors. Gandhi as rebel - acquaintance with vegetarianism - as lawyer - encountering and transforming humiliation: in India, in South Africa - train incident - Coach incident - on path way - at court - attack by protesters - Gandhi as political leader and reformer.

Unit II: Management
Gandhi’s experiments in managing family- Eleven vows - non-possession and sacrifice begin at home - Managing Ashram - community living, service and financial ethics - Managing Social movements- Transvaal March and Salt Satyagraha and nonattachment to position (Nishkama Seva).

Unit III: Conflict Reduction
Pursuance of truth and nonviolence - ends and means - openness - transparency - love and kindness in handling relationship - nonviolent communication - practicing nonviolence in social and political issues (Satyagraha) - conflict resolution practices - art of forgiveness and reconciliation and Shanti Sena.

Unit IV: Humanism
Trust in goodness of human nature - respect for individual and pluralistic nature of society - dignity of differences - equal regard for all religions (Sarvadharma Samabhava) - castes - races - colours - languages simple and ethical life - swadeshi and unity of humankind.

Unit V: Constructive Programmes and contemporary issues
Concept of Sarvodaya - poverty - terrorism - environmental degradation - problems in sharing common resources - health systems and education - science and technology centralization of power and governance.

Text Books

Reference Books

Films.
Richard Attenborough, Gandhi.
Syam Benegal, The Making of Mahatma.
Anupam P. Kher, Mine Gandhi Ko Nahin Mara.
Peter Ackerman and Jack Duvall, A Force More Powerful.
18ECOP02F2: Extension / Field Visit

(Course Code: 18ECOP02F2  Credit: 2  Marks: 50)
DEVELOPMENT ECONOMICS

Semester : III            No. of Credits: 4
Course Code : 18ECOP0310                      No. of Hours: 64

Objective
To offer a survey of mainstream theories of development and growth.

Specific Objectives of Learning
1. The students would have understood different dimensions of economic development.
2. They would have developed a mental framework on growth and development models.

UNIT I: ECONOMIC DEVELOPMENT AND GROWTH (10 hrs)

UNIT II: THEORIES OF ECONOMIC DEVELOPMENT - I (15 hrs)
Adam smith - J.S.Mill - Karl Marx - Schumpeter - Keynes - Rostow - Nurkse.

UNIT III: THEORIES OF ECONOMIC DEVELOPMENT - II (15 hrs)
Lewis - Fei-Ranis - Leibenstein - Rosenstein - Rodan’s Doctrine of Balanced Growth - Concept of Unbalanced Growth - Dualistic Theory - Myrdal’s Theory.

UNIT IV: GROWTH MODELS (15 hrs)

UNIT V: MEAREURES FOR ECONOMIC DEVELOPMENT - DOMESTIC (9 hrs)
Domestic Measures: Capital formation - human capital formation - Role of State - International Measures: Foreign Trade, Foreign Capital and MNCs.

Text Books

Reference Books
Objective

To enable the students to understand the fundamentals of Public Finance with special reference to fiscal and budgetary exercises of Governments

Specific Objectives of Learning

1. The students would become familiar with budget analysis and be able to make critical analysis of budget.
2. They will be able to prepare budget for a given set of data.

UNIT I: NATURE AND SCOPE OF PUBLIC FINANCE (10 hrs)


UNIT II: PUBLIC REVENUE (15 hrs)

Sources of Revenue - Classification of taxes - Canons of taxation - objectives and characteristics of taxation - Tax policy in developing economies Theories of taxation - Proportional Vs Progressive taxation - Taxable capacity - Incidence of Taxation - Effects of taxation - GST and its impact on Indian Economy.

UNIT III: PUBLIC EXPENDITURE (12 hrs)


UNIT IV: PUBLIC DEBT (12 hrs)


UNIT V: INDIAN BUDGETARY PROCEDURES AND FISCAL FEDERALISM (15 hrs)

Budgetary Procedures: - Budget types - Structure of the Central Government Budget - Deficit finance: significance and measures - Fiscal Federalism; Financial relations under the Constitution - Finance Commission and Niti Ayok.

Text Books


Reference Books

ECONOMETRICS

Semester : III ☉ No. of Credits: 4
Course Code : 18ECOP0312 ☉ No. of Hours: 64

Objective

To familiarize the students in the methodology of econometrics.

Specific Objectives of Learning
1. The students would be able to apply econometrics in research studies.
2. They would have gained skills in econometric methods to approach and solve economic problems.

UNIT I: MODELS AND METHODOLOGY (12 hrs)


UNIT II: PROBLEMS IN ECONOMETRIC RESEARCH (12 hrs)

Violations of Assumptions: Auto-correlation, Multicollinear and Heteroscedasticity: Causes, Consequences and Remedies.

UNIT III: DUMMY VARIABLES (10 hrs)

Dummy Variables: Dependent and Independent - Distributed Lag Model - Need, Limitations and Interpretation in Economics.

UNIT IV: INPUT - OUTPUT ANALYSIS AND LINEAR PROGRAMMING (15 hrs)

Leontief’s Open Static Model - Uses and Limitations - Linear Programming - Primal and Dual - Graphic Method - Applications in Economics.

UNIT V: GAME THEORY (15 hrs)


Text Books

Reference Books
ENVIRONMENTAL ECONOMICS

Semester : III  No. of Credits: 4
Course Code : 18ECOP0313  No. of Hours: 64

Objective

To provide theoretical orientation to the students in the study of Environmental Economics.

Specific Objectives of Learning
1. The students would gain knowledge and skills in analyzing environmental issues and problems.
2. They would become more aware of importance of protecting environment.
3. They would be able to make economic valuation of environment.

UNIT I: INTRODUCTION TO ENVIRONMENTAL ECONOMICS  (12 hrs)

UNIT II: ENVIRONMENTAL RESOURCES  (12 hrs)
Anatomy of resources - Common Property Resources: Definition, Types, Characteristics and Functions - Resource Depletion: Causes and consequences Natural Resource Accounting and Sustainable Development - Approaches and Indicators.

UNIT III: ENVIRONMENTAL POLLUTION AND ISSUES  (12 hrs)
Land Pollution, Water Pollution, Noise Pollution, Air Pollution - Causes and Effects - Global Warming and Climate Change, Ozone Layer Depletion - Desertification - Acid Rain - Biodiversity Loss: Causes and Impacts.

UNIT IV: VALUATION OF ENVIRONMENTAL BENEFITS AND COSTS  (12 hrs)

UNIT V: ENVIRONMENTAL REGULATIONS AND POLICIES  (16 hrs)

Text Books

Reference Books
Major Elective
HEALTH ECONOMICS

Semester : III        No. of Credits: 4
Course Code : 18ECOP03E1     No. of Hours: 64

Objective

To teach the applications of economic theory in health sector.

Specific Objectives of Learning

1. The students would become conversant with concepts and contents of health economics.
2. The students would have gained knowledge in taking up studies in economic issues of health sector.

UNIT I: INTRODUCTION TO HEALTH ECONOMICS        (10 hrs)

Meaning - Definition - Health Function - Types of Health Economics Research - Role of Health Sector in the Economy.

UNIT II: DEMAND FOR AND SUPPLY OF HEALTH CARE        (12 hrs)

Relevance of Consumer Demand Theory to Health - Factors influencing Demand for Health Care - Hospital Production Function - Objectives and Constraints Hospital Size - Hospital Costs and Efficiency - Physician Supply Curve - Physician Payment Mechanism - Physician Induced Demand.

UNIT III: HEALTH SYSTEMS AND PLANNING IN HEALTH CARE        (14 hrs)

Health Systems - Definition - Components - Organization of Health Services - Economic, Political and Cultural Determinants - Need and process of Planning in Health Care - Health Care Planning in India.

UNIT IV: HEALTH FINANCING AND INSURANCE        (14 hrs)

Health Financing - Meaning and Objectives - Development and Community Financing - Health Financing in Developing Countries - Concept of Health Insurance - Types and Importance - Health Insurance and Health Care Demand.

UNIT V: HEALTH CARE, COSTING AND OUTCOMES        (14 hrs)


Text Books


Reference Books

## Major Elective

**PROJECT PLANNING AND EVALUATION**

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<tr>
<th>Semester</th>
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<td>18ECOP03E2</td>
<td>No. of Hours: 64</td>
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### Objective

To expose the students to essential methodology of project planning and evaluation.

### Specific Objectives of Learning

1. The students would have developed understanding and skills in concepts and methods of project planning and evaluation.
2. They would be able to plan and evaluate projects.

### UNIT I: PROJECT - BASIC CONCEPTS (10 hrs)

- Project - Concepts, characteristics, classification - project life cycle - Identification selection of project

### UNIT II: PROJECT FORMULATION (12 hrs)

- Project formulation - Methodology - Project feasibility - Techno- economic - Input - project design and network - financial-social cost benefit and environmental feasibility analysis.

### UNIT III: PROJECT APPRAISAL (15 hrs)

- Project Appraisal - Methodology - Appraisal of different feasibility analysis - Criteria for project Appraisal - Discounted and un-discounted techniques

### UNIT IV: PROJECT MONITORING (14 hrs)

- Project Monitoring - Aspects to be Covered - Designing and operating the monitoring system - Tools - Rate of Disparity and Milestone approach

### UNIT V: PROJECT EVALUATION (13 hrs)

- Project Evaluation - Need - Criteria, performance indicators, evaluating operational efficiency - Impact of the project - Evaluating the worthiness of project - project replication

### Text Books


### Reference Books

Major Elective
GLOBALIZATION AND WTO: ISSUES AND STRATEGIES

Semester: III  No. of Credits: 4
Course Code: 18ECOP03E3  No. of Hours: 64

Objective

To enable the students to understand the fundamentals of Globalization and WTO.

Specific Objectives of Learning

1. The students would become familiar with process and impact of globalization and functioning of international institutions.

UNIT I: GLOBALISATION  (10 hrs)


UNIT II: EVOLUTION OF GLOBAL LIBERALIZATION: GATT / WTO  (15 hrs)


UNIT III: WTO AGREEMENTS  (12 hrs)

Features - Trade Related Intellectual Property Rights (TRIPs) Intellectual property Rights, copyrights, Trade marks, Designs and AOA.

UNIT IV: IMPACT OF GLOBALIZATION  (15 hrs)


UNIT V: CHALLENGES OF GLOBALIZATION AND WTO  (12 hrs)

Issues in Tariff and non-Tariff Barriers - Trade and Environment - UN conference on Environment and Development - Agenda 21 -Trade in Services - Third world Unity in WTO.

Text Books


Reference Books

Modular Courses

RURAL RESOURCE MAPPING AND ANALYSIS

Semester: III  No. of Credits: 2
Course Code: 18ECOP03M1  No. of Hours: 32

Objective
To train the students in methods of rural resources assessment, analysis and in documentation of them.

Specific Objectives of Learning
On successful completion of the course the students would be able to

1. Apply appropriate tools and techniques for assessing natural resources and identify livelihood opportunities/viable business.

2. Document the local resource based employment and income-Generation opportunities.

Course contents

1. Appraisal and assessment of natural, physical, social, human, financial resources (Social Mapping, Resource Mapping, transect, time line matrix ranking, inventory of skills and opportunities).

2. Appraisal and assessment of utilization pattern of different resources (Venn diagram, linkages, seasonal diagram-casual and impact diagram, focus group discussion).

3. Identification and documentation of livelihood and viable business opportunities (Ranking, Scoring, Matrix, Focus group discussion).

Note: This is a field based modular course. The students of MBA (Small Business Management) programme shall undergo this course which carries 2 credits.

Text Books

Reference Books
HUMAN DEVELOPMENT INDEX AND ITS APPLICATIONS

Semester : III                      No. of Credits: 2
Course Code : 18ECOP03M2           No. of Hours: 32

Unit I: Indicators of development - Economic, Political, Social, Cultural, Technological, Educational, Health and Sanitation - Standard of living and physical quality life index - Indicators of health - Indicators of Educational Developed - Indicators of life expectancy.

Unit II: Human Development Index - Dimension - Methodology - Human Poverty Index - Dimension and Methodology and Gender Related Development Index - Methodology.

Text Books
5. WHO (World Health Organization, 2013) “Global Health Observatory”, www.who.int/entity/

Reference Books
PARTICIPATORY RURAL APPRAISAL

Semester : III           No. of Credits: 2
Course Code : 18ECOP03M3             No. of Hours: 32

- Genesis of PRA
- Survey method and Rural Development Tourism - Limitations
- Principles of PRA
- Methods of PRA
- Field Exercise: social mappings, Transect time line, trend change,
- Resource mapping, seasonal calendar, problem analysis.

Text Books

Reference Books
Objective

To train the students to acquire skills in data collection methods, organizing rural people, conducting need based programmes, establishing collaborations with institutions and organizations of similar interest.

Specific Objectives of Learning

1. The students would have acquired skills in
   - Interviewing
   - Data collection
   - Conducting case studies
   - Organizing people and conducting meetings
   - Establish linkages and collaborations with institutions and organizations
   - Documenting information.

2. They would have also gained enhanced social awareness and developed an attitude towards contributing to the society.

Course contents

- Appraisal and economic conditions of villages - PRA methods - surveys
- Understanding and analyzing resource base and occupational pattern.
- Assessing mobilities and linkages
- Documentation of Rural Ins and Rural outs
- Case studies on
  - CPR
  - Rural economic organization/entities
  - Rural community based organizations
  - Educational institutions
  - Religious institutions
- Budget analysis of local bodies
- Campaigns on thrifts and savings
- Awareness programme on organic farming, marketing of agricultural produces, value addition
- Sensitization sessions on rural business / livelihood opportunities
- Documentation and sharing.

Evaluation

This is a field based practical course. Evaluation will be done by the faculty-in-charge of VPP based on students participation in field work and its documentation.
ENERGY ECONOMICS AND POLICIES

Semester : IV  
Course Code : 18ECOP0414  
No. of Credits: 4  
No. of Hours: 64

Objective

To help the students to understand the basics of energy economics so as to address to energy problems and issues.

Specific Objectives of Learning

1. The students would have understood the importance of energy in economic development and need for energy conservation.
2. They would also be able to take up research in energy economics.

UNIT I: INTRODUCTION TO ENERGY ECONOMICS (12 hrs)


UNIT II: ENERGY AND DEVELOPMENT (10 hrs)


UNIT III: ENERGY AND ENVIRONMENT NEXUS (12 hrs)


UNIT IV: ENERGY PLANNING AND MANAGEMENT (15 hrs)


UNIT V: INDIA’S ENERGY PROFILE (15 hrs)


Tex Books


Reference Books

GANDHIAN ECONOMICS

Semester: IV No. of Credits: 4
Course Code: 18ECOP0415 No. of Hours: 64

Objective
To orient the students with the Gandhian ideas of economics.

Specific Objectives of Learning
1. The students would have understood the importance of Gandhian Economics
2. They would have developed conviction on the relevance of Gandhian economics in the contemporary world.
3. They would have developed an attitude towards adopting Gandian economic principles.


UNIT II: Gandhi’s views on industrial civilization - Mechanization - Appropriate/Intermediate technology. Role of cottage and small scale village industries and rural crafts in the rural economy.

UNIT III: Gandhi’s critique of industrialism- Decentralized production-Sarvodaya economics- Swadeshi and its relevance- importance of welfare economics.


UNIT V: Economy of permanence- economic ideas of Gandhi in the context of Globalization- issues in sustainable development and emerging challenges.

Text Books

Reference Books
2. Romesh K. diwan & Mark A. Lutz, Essays in Gandhian Economics.
6. L.Raja, M.A. Jeyaraju and Luigino Bruni (2007), Economy of Permenance and Dynamics of a Sharing Community, Gandhigram Rural Institute
## ECONOMICS OF INFRASTRUCTURE

**Semester : IV**
No. of Credits: 4

**Course Code : 18ECOP0416**
No. of Hours: 64

### Objectives:
To familiarize the students to issues related to development of economic infrastructure as well as social and economic infrastructure.

### Specific Objectives of Learning

1. The students would have understood the importance of infrastructure in economic development
2. They would also be able to take up research in economics of infrastructure

### UNIT I: Introduction
(10 hrs)
Concept, Scope and Importance of infrastructure - Components of infrastructure - Infrastructure as a public good, social and physical infrastructure - Role of infrastructure and economic development.

### UNIT II: Road and Transport
(12 hrs)
Components of a transport system - Road, rail, air, and water transport - Problems of transport sector in India - Pros and cons of each sector - Transport services and economic development - Role of public policy in transport - rational of government intervention.

### UNIT III: Energy Sector
(14 hrs)
Primacy of energy in economic development; Factors determining demand for energy - energy conservation, renewable and non-renewable sources of energy - Energy crisis in India - Optimal Energy policy in India.

### UNIT IV: Education and Health
(14 hrs)

### UNIT V: Information and Communication Technology
(14 hrs)
Telephone utilities - Pricing telephone network and current problems in India - characteristics of postal services - criteria for fixing of postal rates - growth and problems of postal services in India. Computer - Internet Connectivity and services - Technology, Communication and Economic Development.

### Text Books

### Reference Books
3. ICSSR (1976), *Economics of Infrastructure, Vol.VI*, New Delhi
Objective

To orient the students in conducting and documenting research study.

Specific Objectives of Learning

On completion of the dissertation the students will be able to:

1. Identify the problem for taking up research studies.
2. Analyse the problem and draw inference.
3. Apply appropriate statistical tools and techniques.
4. Prepare a research report in a systematic manner.

Evaluation

For evaluation of Dissertation, the following criteria will be adopted: 75 marks for external valuation, 75 marks for internal evaluation and 50 marks for joint viva-voce examination.
Modular Courses
BUDGET ANALYSIS

Semester : IV           No. of Credits: 2
Course Code : 18ECOP04M4             No. of Hours: 32

Objective
To expose the students on various concepts in budget. Would help students to critically think on budgeting.

Unit I: Need and objectives of budget - Economic planning - Programme implementation - Exante and Expost Evaluation

Unit II: Balanced - Surplus and Deficit budgets - Consequences - Annual budget - Quin quennial and Decadal budget.


Unit IV: Budget and Indian Economy - Goal - Achievements - Issues and Challenges.

Text Books

Reference Books
ENVIRONMENTAL IMPACT ASSESSMENT

Semester : IV
Course Code : 18ECOP04M5

Objective

To expose the students on various concepts in environmental impact.


Unit II: Environmental Audit: objectives, types, stages - preparation of Audit Report.

Text Books

Reference Books
Group of Students (Maximum of 5 to 6) will be provided to undergo a 100% Energy related survey in a selected village panchayat and analyze the present energy consumption and the future energy requirement. Based on the survey report the student must submit a Detailed Project Report (DPR) incorporating all the policies and schemes of the Government to be implemented in the selected village which will enable to create a 'Model Energy Village'.

**Tex Books**

**Reference Books**