ST. MARY'S COLLEGE (Autonomous)

(Re-accredited with 'A+' Grade by NAAC)

Thoothukudi-628001, Tamil Nadu

(Affiliated to Manonmaniam Sundaranar University)

Syllabus

M.A. Economics

School of Management & Economics

Outcome Based Curriculum

(W.e.f.2019)

Preamble

The subject **'Economics'** has been represented as one of the most versatile subject in the field of humanities and social science. Our Post Graduate program in Economics contains a core group of theory courses, a series of quantitative skills courses, and field specialisation courses that involve the applications of economic theory and quantitative analysis to major areas of study within the discipline. The subject aims at extending the mental horizon of students to groom their personality and make them rational human being. It is our goal to help our students achieve a certain set of learning outcomes.

The main objective of this course to make the students aware of the importance of economic development and growth of a country. This course enlightens the student on the quantitative and qualitative aspects and characteristics of the various economical developments.

Vision:

Creating opportunities for intellectual and career advancement

Mission:

Fostering student commitment to personal and professional development in a complex world

Programme Outcome

PO.No	Upon completion of M.A Economics programme, the graduates will be able to
PO-1	apply economic analysis to everyday problems in real world situations
PO-2	understand how to use empirical evidences to evaluate the validity of an economic argument
PO-3	address problems and issues and develop solutions for them
PO-4	develop critical thinking skills and apply quantitative techniques to specific to micro and macro-economic issues
PO-5	communicate effectively in written, oral and graphical form about specific issues
PO-6	formulate opinions on policy issues and recognize the validity of the opposing viewpoints.
PO-7	analyze the economics and institutional arrangements of specific industries, localities, regions, countries and organizations
PO-8	recognize and appreciate the diversity of views that may reasonably exist about economic problems and alternative economic systems

Course Structure
Semester - I

Subject	Sub.Code	Title of the Papers	Hrs/ Week	Credit	Maximum Marks		
					CIA	ESE	Total
Core I	19PECC11	Advanced Micro Economic Analysis - 1	6	4	40	60	100
Core II	19PECC12	Advanced Macro Economic Analysis - I	6	4	40	60	100
Core III	19PECC13	Statistics	6	4	40	60	100
Core IV	19PECC14	Economics of Infrastructure	4	4	40	60	100
Elective I	19PECE11	A. Environmental Economics B. Basic Econometric Analysis	4	3	40	60	100
Elective II	19PECE12	A. Energy Economics B. Gender Economics	4	3	40	60	100
		Total	**30**	**22**	**240**	**360**	**600**

Semester II

Subject	Sub. Code	Title of the Papers	Hrs/ Week	Credit	Maximum Marks		
					CIA	ESE	Total
Core V	19PMCC21	Advanced Micro Economic Analysis-II	6	4	40	60	100
Core VI	19PECC22	Advanced Macro Economic Analysis - II	6	4	40	60	100
Core VII	19PECC23	Welfare Economics	6	4	40	60	100
Core VIII	19PECC24	Mathematics For Economists	4	4	40	60	100
Elective III	19PECE21	A.Modern Banking B.Economics of Tourism	4	3	40	60	100
Elective IV	19PECE22	A.Health Economics B. International Economics	4	3	40	60	100
		Total	**30**	**22**	**240**	**360**	**600**

It is mandatory for students to complete one MOOC during the first year of study. (19PECM21)
2 Credits

Semester III

Subject	Sub. Code	Title of the Papers	Hrs/ Week	Credit	Maximum Marks		
					CIA	ESE	Total
Core IX	19PECC31	Growth and Development of Economics	6	4	40	60	100
Core X	19PECC32	Indian Economy	6	4	40	60	100
Core XI	19PECC33	Social Economics	6	4	40	60	100
Core XII	19PECC34	Research Methodology	4	4	40	60	100
Elective V	19PECE31	Marketing Management / Computer Applications in Economic Analysis	4	3	40	60	100
Elective VI	19PECE32	Human Resource Development / Logistics Management	4	3	40	60	100
Self Study Course / MOOC	19PECSS1/ 19PEMO31						
		Total	**30**	**22**	**240**	**360**	**600**

Semester IV

Subject	Sub. Code	Title of the Papers	Hrs/ Week	Credit	Maximum Marks		
					CIA	ESE	Total
Core - XIII	19PECC41	Indian Economic History and Thought	6	4	40	60	100
Core- XIV	19PECC42	Demography	6	4	40	60	100
Core - XV	19PECC43	Financial Institutions & Markets	5	4	40	60	100
Core - XVI	19PECC44	Monetary Economics	5	4	40	60	100
Core - XVII	19PECP45	Project	8	8	40	60	100
		Total	**30**	**24**	**200**	**300**	**500**

Programme Specific Outcome

PSO No	Upon completion of M.Com Degree the graduates will be able to
PSO-1	understand the implications of the concepts of economics.
PSO-2	analyze economic behaviour in practice.
PSO-3	understand the economic way of thinking.
PSO-4	analyze historical and current events from an economic perspective.
PSO-5	write clearly expressing the economic point of view.
PSO-6	alternative approaches to economic problems through exposure to coursework in allied fields
PSO-7	suggest solutions to various economic problems.
PSO-8	take up jobs at Junior college/Senior college level lectureship
PSO-9	take up Career in Banking/Finance/Co-operative sector
PSO-10	acquire minimum qualification for M. Phil. and Ph.D

Semester– I			
Core I		Advanced Micro Economic Analysis - I	
19PECC11	Hrs/Week: 6	Hrs/ Semester: 90	Credits:4

Vision:

Microeconomics focuses on analyzing the manner in which markets resolve the problem posed by a scarcity of resources.

Mission:

It is considers market failures, the role of government in a market-driven society, and a brief look at international trade and finance.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	identify and apply relevant terminology and concepts to economic issues and problems.	3	Ap
CO-2	compare and contrast the market system of economics with other systems.	4	Ap
CO-3	use demand and supply models in the analysis of real-world issues.	2	Kn
CO-4	use market structure models to explain and to predict business firm behaviour	6	Ap
CO-5	use the theory of consumer choice to explain and to predict consumer behaviour.	5	Kn
CO-6	evaluate the consequences of economic activities and institutions for individual and social welfare.	7	Ev
CO-7	identify the basic features of alternative representations of human behaviour in economics.	4	Ev
CO-8	analysis of the economic behaviour of individuals, firms and markets.	1,3	Ap

Semester- I			
Core I	**Advanced Micro Economic Analysis-I**		
Code: 19PECC11	**Hours / Week :6**	**Hrs / Semester: 90**	**Credits :4**

Unit I: Introduction and Basic Concepts   **15 Hrs**

Basic Economic Problem - Choice and Scarcity - Micro and Macro Analysis - Inductive and Deductive methods of Analysis - Positive vs. Normative Economics - Static and Dynamic Analysis - Partial vs. General Equilibrium Analysis

Unit II: Demand Analysis   **20 Hrs**

Theories of Demand - Demand and Supply Equilibrium - Elasticity of Demand - Price, Cross and Income Elasticity of Demand - Measurement of Elasticity of Demand

Unit III: Hicksian Analysis and Recent Developments in Demand Analysis   **15 Hrs**

Indifference Curve (Income and Substitution effects - Hicks Vs Slutsky) - Revealed Preference Theory - Revision of Demand theory by Hicks - Cobweb Theorem

Unit IV: Theory of Production and Costs   **20 Hrs**

Production Function - The Law of Variable Proportions - Returns to Scale - Isoquant - Least Cost Combination and Producer's Equilibrium - Cobb - Douglas and CES production functions - Traditional and Modern theories of Costs - Cost output relation.

Unit V: Price and Output Determination   **20 Hrs**

Marginal analysis - Short - run and Long - run equilibrium of firm and industry - Monopoly - Price discrimination - Monopoly control and regulation - Monopolistic Competition - General Approach and Chamberlin Approach - Selling Costs - Product Differentiation - Oligopoly – Cartels – Kinked demand curve – Price Leadership Models

Text Book:

Ahuja, H.L. (2006): *Advanced Economic Theory*, New Delhi: Sultan Chand and Co.

Books for Reference

1. Koutsoyiannis.A. *Modern Microeconomics* (2nd ed). London: Macmillan Press, 1979.
2. Sen.A. *Micro Economics Theory and Applications*. New Delhi: Oxford University Press, 1999.
3. Stigler.G. *Theory of Price* (4th ed). New Delhi: Prentice Hall of India, 1996.
4. Varian.H. *Microeconomic Analysis*, New York: W.W. Norton, 2000.

Semester– I			
Core II	Advanced Macro Economic Analysis – I		
19PECC 12	Hrs/Week: 6	Hrs/ Semester: 90	Credits: 4

Vision:

Students will learn about the determinants of macroeconomic conditions (national output, employment, and inflation), causes of business cycles, and interactions of monetary and financial markets with the real economy, familiarizing themselves in the process with major economic theories of relevance.

Mission:

Students will be able to identify the determinants of various macroeconomic aggregates such as output, unemployment, inflation, productivity and the major challenges associated with the measurement of these aggregates.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	analysis of the establishment of the functional relationship between the large aggregates.	7	Ap
CO-2	understand the macroeconomic theoretical structure that is considered essential for the proper comprehension of the different issues and policies.	3	Ev
CO-3	study of Macroeconomics and analysis of body of empirical economic knowledge.	6	Ap
CO-4	understand the systemic facts and latest theoretical developments for empirical analysis.	5	An
CO-5	identify the determinants of various macroeconomic aggregates such as output, unemployment, inflation, productivity and the major challenges associated with the measurement of these aggregates.	4	Un
CO-6	discuss the linkages between financial markets and the real economy, and how these linkages influence the impact of economic policies over differing time horizons.	7	An
CO-7	describe the main macroeconomic theories of short term fluctuations and long term growth in the	1	Ap
CO-8	critically evaluate the consequences of basic macroeconomic policy options under differing economic conditions within a business cycle.	3	Re

Semester- I
Core II - Advanced Macro Economic Analysis- I

Code: 19PECC12	Hours / Week :6	Hrs / Semester:90	Credits :4

Unit-I: National Income and Accounts   **15 Hrs**

Circular Flow of Income in two, three and four sector economy - Different forms of national income accounting - Social accounting - Input - Output accounting -Flow of funds accounting and Balance of payments accounting

Unit-II: Classical Model of Employment   **15 Hrs**

Classical macroeconomics - Say's Law – Classical Model – Criticism

Unit-III: Consumption Function   **20 Hrs**

Keynes' Psychological law of consumption-Implications of the law - short-run and long-run consumption function; Empirical evidence on consumption function - Income consumption relationship - Absolute income, relative income, life cycle and permanent income hypotheses

Unit-IV: Investment Function   **20 Hrs**

Marginal efficiency of investment and level of investment - Marginal efficiency of capital and investment - Long run and short run factors - The accelerator and investment behavior - Influence of policy measures on investment

Unit-V: Neo-Classical and Keynesian Views on Interest   **20 Hrs**

The IS-LM model; Extension of IS-LM model with government sector - Relative effectiveness of monetary and fiscal policies

Text Book:

Maria John Kennedy. *Macro Economic Theory*. New Delhi: PHI Learning, 2012.

Books for Reference:
1. Glahe Fred.R. *Macro Economics*: *Theory and Policy*, New York: Harcourt Brace Jovanovich Inc, 1973.
2. Laidler.D.E.W. *Demand for Money Theory and Evidence*. New York:Dum-Don Valley, 1977.
2. Romer. D.L. *Advanced Macro Economics*. New York: McGraw Hill Company Limited, 1996.
4. Shapiro.E. *Macro Economic Analysis*. New Delhi: Galgotia Publications,1998.
5. Ackley.G. *Macro Economics: Theory and Policy*. New york: Macmillan, 1996.

Semester– I			
Core III Statistics			
19PECC 13	Hrs/Week: 6	Hrs/ Semester: 90	Credits: 4

Vision:

To introduce statistical methods and provide an insight into their uses in economics

Mission:

To demonstrate application of a range of statistical techniques to economic problems

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	increase the skills in describing, analysing and interpreting statistical data	1	An
CO-2	make basic statistical calculations and critically evaluate the basis for these calculations;	8	Ap
CO-3	use graphical and numerical methods to calculate and illustrate descriptive statistics	2	Un
CO-4	identify the statistical concepts in questions about economic models	6	Re
CO-5	identify common problems which may affect regression analyses	4	An
CO-6	identify the appropriate regression model to apply to an economics dataset	5	Ap
CO-7	manipulate the probability models that are most widely used in economics, and apply them correctly and carry out the appropriate statistical analysis	4	An
CO-8	use the basic concepts of probability and Baye's Theorem	6	Un

Semester- I			
	Core III	**Statistics**	
Code: 19PECC13	**Hours / Week :6**	**Hrs / Semester: 90**	**Credits :4**

Unit I: Measures of Averages and Dispersion   **15 Hrs**

   Measures of central tendency – Mean, Median, Mode Measures of Dispersion – M.D., Q.D. and S.D and relative measures of dispersion application of averages and dispersion

Unit II: Correlation and Regression   **20 Hrs**

   Meaning, assumptions and limitations of simple correlation and regression analysis – Pearson's product moment and Spearman's rank correlation co-efficient – Concept of least squares and the regression lines

Unit III: Analysis of Time Series   **15 Hrs**

   Uses – Components – Measurement – Methods of Moving Average – Semi Average – Method of least squares- Seasonal Variations and its Measurements

Unit IV: Probability   **20 Hrs**

   Various types of events – Classical and empirical definitions of probability, Laws of addition and multiplication, conditional probability and concept of interdependence, Baye's theorem and its applications- Probability Distribution-Binomial, Poisson and Normal distribution

Unit V :Theory of Estimation and Testing of Hypothesis   **20 Hrs**

   Properties of a good estimator, formulation of statistical hypotheses – Null and alternative, Goodness of fit, confidence intervals and level of significance - Type I and Type II errors - Hypothesis testing Z, t, χ^2 (chi-square) and F-test

Text Book:

   Gupta.S.P. *Statistical Methods* (Edition). New Delhi: S.Chand& Sons Ltd,2000.

Books for Reference

   1. Gupta.S.C. *Fundamentals of Applied Statistics*.New Delhi: S.Chand& Sons Ltd, 1993.
   2. Speigal. M.R., *Theory and Problems and Statistics*.London: McGraw Hill Book Co,1992.
   3. R.S.N. Pillai & Bagavathi. *Statistics*. New Delhi:S. Chand & Company Ltd, 1998.

Semester – I			
Core IV	**Economics of Infrastructure**		
19PECC 14	**Hrs/Week: 6**	**Hrs/ Semester: 90**	**Credits: 4**

Vision:

To deliver vital infrastructure and growth management solutions

Mission:

The emphasis of the course is empirical, with detailed examples and case studies to show the economic consequences of alternative policy designs.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	create well-planned and managed communities with a focus on infrastructure.	3	Ap
CO-2	plan for the impact of climate change on urban growth.	7	An
CO-3	lead whole-of-government approaches to land	8	Ap
CO-4	use, major project developments and infrastructure policy planning, coordination and delivery	4	Un
CO-5	support project proponents—through facilitation services	3	Ap
CO-6	deliver innovative solutions and value for money	5	Re
CO-7	promote public and private investment in infrastructure	7	Un
CO-8	build and protect India's Infrastructures in competitive advantages	8	Ap

Semester – I			
Core IV	Economics of Infrastructure		
19PECC 14	Hrs/Week: 6	Hrs/ Semester: 90	Credits: 4

Unit I - Introduction   20 Hrs

Infrastructure and economic development - Infrastructure as a public good; Social and physical infrastructure; Special characteristics of public utilities - The peak-load – Off-Load Problem – Dual Principle Controversy; Economies of scale of Joint supply; Marginal Cost Pricing vs. other methods of pricing in public utilities

Unit II - Transport Economics   15 Hrs

The structure of Transport Costs and Location of Economic Activities - Demand for Transport – Models of Freight and Passenger Demand – Model Choice; Cost Functions in the Transport Sector – Principle of Pricing – Special Problems of Individual Modes of Transport; Inter-modal condition in the Indian Situation.

Unit III - Energy Economics   20 Hrs

Primacy of Energy in the Process of Economic Development – Factors Determining Demand for Energy; Effects of Energy Shortages – Energy Conservation – Renewable and Non-conventional Sources of Energy – Energy Modelling – The Search for an Optimal Energy Policy in the Indian Context

Unit IV- Supply of Energy   20 Hrs

Electricity, Gas and Water Supply- Bulk Supply and Pricing of Electricity – The Relative Economics of Thermal, Hydel and Nuclear Power Plants – The Case for a National Power Grid – Financing Water Utilities – Urban and Rural Water Supply – The Exploitation of Natural Gas – Pricing Problem.

Unit V- Social Infrastructure   15 Hrs

Education and Economic Growth – The Case for Universal, Free, Primary Education; Structure of higher education and problems of its financing in India – Human Resources and Human Capital Development

Text Book:

Becker.G.S. *Human Capital* (2nd Edition). New York: National Bureau of Economic Research,1974.

Books for Reference:
1. Crew.M.A. and P.R. Kleindorfer. *Public Utility Economics*. London: Macmillan, 1977.
2. *Economic and Political Weekly*, Various Issues.

Semester – I			
Elective I	**A**	**Environmental Economics**	
19PECE 11	**Hrs/Week: 6**	**Hrs/ Semester: 60**	**Credits: 3**

Vision:

Apply knowledge of environmental economics, including analytical tools and methods, to identify policy solutions that can correct environmental problems.

Mission:

Demonstrate understanding of the economic cause of environmental problems, environmental valuation techniques, environmental policy instruments and their economic consequences, and environmental policy decision making tools.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	apply microeconomic theory to the study of environmental issues.	6	Ap
CO-2	identify and critically evaluate alternative environmental policy instruments.	4	Un
CO-3	develop written and verbal skills in communicating an environmental economic perspective.	5	An
CO-4	enhance the student's ability to conduct professional economic research and to develop and present professional proposals, papers, and presentations	4	Ap
CO-5	increase the student's ability to analyze environmental policies through a deeper understanding of economic behavior and incentives	8	Re
CO-6	analyze the environmental policy practices in the real world using economics methods and tools.	4	An
CO-7	demonstrate the ability to model environmental policy issues using fundamental environmental and economics skills.	6	Ap
CO-8	engage in self-directed research and learning about environmental economics.	4	An

Semester – I			
Elective I A	Environmental Economics		
19PECE 11	Hrs/Week: 6	Hrs/ Semester: 60	Credits: 3

Unit I - Economic Growth and Environment   **15 Hrs**

Economic Growth and Environment: conflicting or complementing – Limits to growth model - Environmental Kuznets Curve. Environment – Economics inter-linkages using Material Balance Approach –Pollution as an externality and its impact - Environmental quality as Public good

Unit II - Environmental Pollution and Global issues   **10 Hrs**

Air pollution – Water pollution – Pollution by solid wastes; Global warming and Climate change – Ozone depletion – Bio-diversity Loss – Trade and Environment

Unit III - Sustainable development   **10 Hrs**

Definition of sustainable development – components of sustainable development – Theoretical approaches to sustainable development: Neo - Classical Approach – Ecological Approach – Safe Minimum Standards Approach

Unit IV-   Environmental Ethics and policy   **15 Hrs**

Approaches to environmental ethics – Shallow Vs Deep Ecology – Environmental Movement – Environmental movement in India: Environmental Challenges to India with respect to Air Pollution, Water Pollution, Waste Management and Bio – Diversity Loss – Environmental Policy in India

Unit V - Corporate environmental Management   **10 Hrs**

Corporate Responsibility for Environmental Problems - sustainable industrialization as a production paradigm - Principles of sustainable industrialization -Industrial Ecology – Life cycle Approach -C2C -Eco labelling – Business Charter Sustainable Development

Text Book:

Karpagam.M. *Environmental Economics*. London:Sterling Publishers, 2010.

Books for Reference

1. Karpagam M and R Geetha.*Green Management – Theory and Practice*.New Delllhi: Ane Book House, 2010.
2. Tan Hodge. *Environmental Economics*. Chennai: Macmillan Press,1995.

Semester – I			
Elective I B	Basic Econometric Analysis		
Code:19PECE11	Hours / Week :4	Hrs / Semester: 60	Credits :3

Vision:

   To be recognized as a faculty with a high quality educational curriculum with a strong impact on basic econometric practice.

Mission:

   To create a dynamic and stimulating environment for students and employees to fully develop their potential. By consequence it attaches particular importance to the participation of all students in econometric analysis.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	have the knowledge to research with econometrics	1	An
CO-2	explain econometrics concepts and results intuitively	8	Ap
CO-3	easily derive econometric results mathematically	6	Ap
CO-4	have a deeper understanding of economic statistics, econometrics, and have greater confidence in its application.	4	Un
CO-5	learn the basics of ordinary least squares model estimation, with its advantages and disadvantages.	3, 2	Un
CO-6	learn appropriate alternatives to ordinary least squares, when assumptions underlying the classical linear regression model are violated.	5	Ap
CO-7	learn model construction and estimation, with applications in consumer and producer theory.	6	Un
CO-8	gain insights into the relationship between econometric estimation and diagnostic testing.	1	Un

Semester – I			
Elective I B	**Basic Econometric Analysis**		
Code:19PECE11	Hours / Week :4	Hrs / Semester: 60	Credits :3

Unit – I Introduction: **15 Hrs**
Definition – Scope – Divisions – Objectives – Use of Econometrics – Econometrics and Mathematical Economics – Econometrics and Statistics – Methodology of Econometrics - Basic ideas of Linear Regression Model –Two variable model, Population regression function(PRF), Sample regression Function(SRF) – Error term U – significance - stochastic form of PRF and SRF.

Unit – II Estimation: **10 Hrs**
     Classical Linear regression model – assumptions – Method of Ordinary Least Square(OLS) – Derivation of OLS Estimators - Derivation of variance and Standard error of OLS estimators (simple linear regression) – Properties of OLS estimators, Gauss– Markov Theorem – proof – Three variable model estimation (Basic Idea only) – Test of goodness of fit R^2 and adjusted R^2.

Unit – III Violation of Assumptions: **10 Hrs**
 Multi collinerarity - Consequences and detection of Multi collinerarity, Remedial measures - Heterocedasticity Nature of Hetrocedasticity Consequences of hetrocedasticity, Detection of Heterocedasticity - Remedial Measures - Auto–Correlation – nature of the problem, Consequences, detection and remedial Measures

Unit – IV Functional Forms and Dummy Variables: **15 Hrs**
        Regression through the origin - Double Log Model – Measurement of Elasticity – Semi log model – Measurement of Growth - Dummy Variables – ANOVA and ANCOVA models – Dummy variable trap – uses – interaction effects – structural changes – seasonal variations – piece wise linear regression.

Unit – V Simultaneous Equation Model: **10 Hrs**
 Definition – examples – simultaneous equation bias – structural and reduced form equations – identification – rank and order condition – indirect least square estimation – two stages of least square estimation.

Books for References:
1. Damodar N. Gujarathi, Essentials of Econometrics, McGraw Hill.
2. Damodar N. Gujarathi, Basic Econometrics, McGraw Hill.
3. Damodar N. Gujarathi, Econometrics by Example, Palgrave Publications.
4. MaddallaG.S., Econometrics, McGraw Hill.
5. Dominick Salvatore and Derrick Reagle, Statistics and Econometrics, Tata McGraw Hill (Schaum's Series).

Semester – I			
Elective II A		Energy Economics	
19PECE12	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 3

Vision:

This course is tailored for the student desiring an understanding of the relationship between the energy sector and the wider economy. Studying methods of investment evaluation in energy sector, methods for energy production cost calculation and energy pricing methodology.

Mission:

`   The course examines the role of energy in economic activity, economic methods of assessing energy technologies, projects, and policies, and debates concerning alternative future energy scenarios

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	understand the role of energy in economic activity.	2	Un
CO-2	have a knowledge of methods to assess alternative energy projects technologies, and policies	3	Ap
CO-3	apply this knowledge to the analysis of specific energy issues in India	5	Ap
CO-4	know what key factors and principles need to be considered in evaluating alternative energy policy options.	6	An
CO-5	understand of economic and ability to apply economic and financial evaluation of energy projects.	7	Un
CO-6	learning the basics of cost calculation for electricity and heat production from CHP and power plants	6	Ap
CO-7	provide students with a thorough grounding in the key concepts of energy economics.	5	Re
CO-8	illustrate how these concepts and standard economic tools can be used to analyse energy-related policy issues	7	Un

Semester – I			
Elective II A		**Energy Economics**	
19PECE12	**Hrs/Week: 4**	**Hrs/ Semester: 60**	**Credits: 3**

Unit I - Energy Concepts and Sub-Sectors   **15 Hrs**

     Concepts - Definitions - Sources and Categories of Energy - Energy Balance Tables - Energy Data Sources - Energy System - Energy - Economy Linkages - Green Energy - Forms of Energy - Electricity, Coal, Oil and Renewable Sources.

Unit II - Energy Supply Analysis   **15 Hrs**

     Energy Supply Analysis: Availability and Supply of Different Sources of Energy – Supply Constraints - Role of Renewable Sources of Energy - Institutional Framework for Energy Supply in India - Alternative Energy Sources – Energy Imports - Trends and Issues.

Unit III – Energy Demand Analysis   **10 Hrs**

     Energy Demand Analysis: Determinants of Energy Demand - Price and Income Elasticity - Demand Estimation under Administered Price Regimes - Demand and Supply Gap - Energy Shortage and Crisis - Need for Energy Demand Management - Renewable Energy Options.

Unit IV- Energy Pricing   **10 Hrs**

     Methods and Principles of Energy Pricing - Economic Efficiency and Equity Considerations - Pricing under Supply Constrained Framework - Energy Markets - Regulation - Issues and Challenges.

Unit V - Energy Efficiency and Conservation   **10 Hrs**

     Principles and Methods - Energy Supply Side and Demand Side Management and Efficiency - Institutional Machinery and Community Engagement - Estimation of Benefits - Energy Audit - Policy Alternatives

Text Book:

     Kneese. A. V. and Sweeny. J. L. *Handbook of Natural Resource and Energy Economics*, North Holland: 2003.

Books for Reference:

     1.Munasinghe. M & Meier. P.(2005), *Energy Policy Analysis and Modeling*. U.K.Cambridge: University Press,2005.

     2. Paul Stevens. *The Economics of Energy*. UK:Edward Elgar publications,2006.

     3. Sankar.U. *Public Sector Pricing: Theory and Applications*. New Delhi:Indian Economic Association Trust for Research and Development, 2004.

Semester – I			
Elective - II B		Gender Economics	
19PECE12	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 3

Vision:

Empowered women living with dignity and contributing as equal partners in development in an environment free from violence and discrimination

Mission:

Promoting social and economic empowerment of women through cross-cutting policies and programmes, mainstreaming gender concerns, creating awareness about their rights and facilitating institutional and legislative support for enabling them realize their human rights and develop to their full potential.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	demonstrate a general understanding of the theoretical debates surrounding the construction of gender and gender relations in the discipline of economics.	7	Un
CO-2	critically examine and assess mainstream and heterodox economic theories and policies from a gender perspective.	3	Ap
CO-3	evaluate the ways in which current economic realities in developed and developing countries have different effects on men and women.	2	An
CO-4	identify the connections between feminist economic theory and feminist economic reality in developed and developing countries.	1	Un
CO-5	the basis of a solid understanding of alternative, gendered economic theory, propose alternative policies that address gender- inequalities in different economic spheres	8	An
CO-6	analyze and compare proposed policy responses to measurable and perceived gender inequalities in such economic outcomes as labour force participation, educational attainment, and retirement savings.	7	An
CO-7	understand the market implications of such non-market activities as partner selection.	5	Un
CO-8	use gender auditing and gender budgeting to uncover inequalities hidden by conventional statistical methodologies.	5	Un

Semester – I			
Elective - II B		Gender Economics	
19PECE12	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 3

Unit 1- Introduction to Gender Studies $\qquad$ **10 Hrs**

Basic Concepts - Difference between Gender and Sex - Patriarchy - Feminism - Schools of Feminism - Gender Division of Work –Care giving services-Invisibility of Women's Work - Gender Mainstreaming

Unit II - Subject and Methods of Gender Economics $\qquad$ **10 Hrs**

The Subject of Gender Economics - Institutionalization of Gender Economics - Methods of Gender Economics - Inter-Disciplinary Approach in Gender Studies - Macro and Micro Level of Studies - Gender Statistics and System of Sources of Data on the Population

Unit III - Economic Growth and Gender Equality $\qquad$ **15 Hrs**

Gender Equity &Equality- Economic Growth and Socio-Economic Development. Impact of Globalization on Gender Status - Concept of the "Feminization of Poverty" - Basic Causes - Gender Differences in Incomes - Women's Contribution to GDP - Estimation of Women's Unpaid Work

Unit IV- Measuring Gender Equity $\qquad$ **10 Hrs**

Meaning of Gender Equity and Equality - Gender Equity Index - Gender Inequality Index of UNDP - Gender Status Index - Gender in Human Development - Gender Development Index - Gender Empowerment Measure - Gender in Social Development Indicators

Unit V- Gender Analysis Frameworks and Gender Budgets $\qquad$ **15 Hrs**

Gender Analysis: Harvard Analytical Framework/Gender Roles Framework - Gender Budgeting - Methodology of Gender Budget Preparation – Approaches and Principles of Gender Budgeting –GENDER AUDIT - Experiences of Different Countries in Gender Budgeting -Gender Budgeting in India and TamilNadu

Text Book:

Agarwal, B.,(2014), *Bargaining and Gender Relations: Within and Beyond the Household*, Feminist Economics.

Books for Reference:

1. Batliwala.S. *The Empowerment of Women in South Asia Concepts and Practices*, New Delhi: Sage Publications,2001.
2. Boserup.Ester. *Women's Role in Economic Development*. New York: St Martin's Press,2000.
3. Bowles Gloria and Dueli Klein Kenate.*Theories of Women Studies*, New York:University Press,2001.
4. Irene Tinker. *Persistent Inequalities: Women and World Development*. New York: OUP, 1998.
5. Kabeer Naila. Reversed Realities: *Gender Hierarchies in Development Thought Kali for Women*. New Delhi: General publications,2001.

Semester– II			
Core I Advanced Micro Economic Analysis- II			
19PECC21	Hrs/Week: 6	Hrs/ Semester: 90	Credits: 4

Vision:

Microeconomics focuses on analyzing the manner in which markets resolve the problem posed by a scarcity of resources.

Mission:

It is considers market failures, the role of government in a market-driven society, and a brief look at international trade and finance.

Course Outcome :

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	identify and apply relevant terminology and concepts to economic issues and problems.	7	Ap
CO-2	compare and contrast the market system of economics with other systems.	6	An
CO-3	use demand and supply models in the analysis of real-world issues.	5	An
CO-4	use market structure models to explain and to predict business firm behaviour	4	Re
CO-5	use the theory of consumer choice to explain and to predict consumer behaviour.	3	Ap
CO-6	students will be able to evaluate the consequences of economic activities and institutions for individual and social welfare.	6	An
CO-7	students will be able to identify the basic features of alternative representations of human behaviour in economics.	3	Ap
CO-8	analysis of the economic behaviour of individuals, firms and markets.	3	Ap

Semester- II			
Core I Advanced Micro Economic Analysis- II			
19PECC21	Hrs/Week: 6	Hrs/ Semester: 90	Credits: 4

Unit – I Alternative Theories of the Firm: 15 Hrs

Baumol's sales revenue maximization model; Williamson's model of managerial discretion Marris model of managerial enterprise; Full cost pricing - Bain's limit pricing theory and Sylo'sLabini model of limit pricing - Behaviouristic model of Cyert and March

Unit – II Theories of Distribution: 15 Hrs

Marginal Productivity Theory; Euler's product exhaustion theorem – Theories of distribution: Ricardian, Marxian, Kalecki and Kaldor's theories of distribution

Unit – III Welfare Economics: 15 Hrs

Nature – Pigouvian Welfare Economics – Pareto optimality condition – Kaldor – Hicks compensation criteria – Scitovsky Paradox - Social welfare function, Bergson and Samuelson - Arrow's theory of social choice

Unit – IV Theory of Games: 15 Hrs

The Zero – Sum, Two - Person Game – No constant- sum Games -Maximin and Minimax stratergies – Equilibrium points (Saddle)

Unit – V Economics of Risk and Uncertainty: 15Hrs

Individual Behaviour towards risk, expected utility and certainty - Risk and Risk aversion competitive firms under uncertainty – Factor demand under-price uncertainty - Economics of information – Search for New Market Models.

Text Book:

Maria John Kennedy M. *Advanced Micro Economic Theory* (Second Edition) New Delhi: Himalayas Publishing House,1999.

Books for Reference:

1. Da Costa.G.C. Production, *Prices and Distribution*. New Delhi: Tata McGraw Hill,1990.
2. Hirshleifer.J and A. Glazer. *Price Theory and Applications.* New Delhi: Prentice Hall of India, 1997.
3. Stigler.G. *Theory of Price* (Fourth Edition) New Delhi: Prentice Hall of India.1996.

Semester - II		
Core II	Advanced Macro Economic Analysis- II	
19PECC22	Hrs/Week: 6	Hrs/ Semester: 90	Credits: 4

Vision:

Students will learn about the determinants of macroeconomic conditions (national output, employment, and inflation), causes of business cycles, and interactions of monetary and financial markets with the real economy, familiarizing themselves in the process with major economic theories of relevance.

Mission:

Students will be able to identify the determinants of various macroeconomic aggregates such as output, unemployment, inflation, productivity and the major challenges associated with the measurement of these aggregates.

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	analyse of the establishment of the functional relationship between the large aggregates.	2	Un
CO-2	understand the macroeconomic theoretical structure that is considered essential for the proper comprehension of the different issues and policies.	4	Un
CO-3	study of Macroeconomics and analysis of body of empirical economic knowledge.	1	Ap
CO-4	understand the systemic facts and latest theoretical developments for empirical analysis.	5	Un
CO-5	students will be able to identify the determinants of various macroeconomic aggregates such as output, unemployment, inflation, productivity and the major challenges associated with the measurement of these aggregates.	7	Re
CO-6	students will be able to discuss the linkages between financial markets and the real economy, and how these linkages influence the impact of economic policies over differing time horizons.	3	Ap
CO-7	students will be able to describe the main macroeconomic theories of short term fluctuations and long term growth in the economy.	6	An
CO-8	students will be able to critically evaluate the consequences of basic macroeconomic policy options under differing economic conditions within a business cycle.	5	An

Semester - II			
Core II	Advanced Macro Economic Analysis- II		
19PECC22	Hrs/Week: 6	Hrs/ Semester: 90	Credits: 4

Unit-I: Demand for Money and Supply of Money: **15 Hrs**

Demand for Money: Classical, Keynesian and Post-Keynesian; Patinkin - Real Balance Effect; Approaches of Baumol, Tobin and Friedman - Meaning of Money supply – Money Multiplier – Determinants of Money supply

Unit-II: Theories of Inflation: **15 Hrs**

Classical, Keynesian and Monetarist approaches to inflation; Structuralist theory of inflation; Philips curve analysis-Short run and Long run Philips curve -Tobin's modified Philips curve; Policies to control inflation

Unit-III: BUSINESS CYCLES   **15 Hrs**

Theories of Schumpeter, Kaldor, Samuelson and Hicks, Control of business cycles-Relative efficacy of monetary and fiscal policies

Unit-IV: Recent Developments in Macroeconomics: **15 Hrs**

Monetarism Vs Keynesianism – Supply side Economics – New Classical Macro Economics – Rational Expectation

Unit-V: Macro Economic Policy   **15 Hrs**

Monetary policy – Fiscal policy – Incomes policy – Objectives – Instruments and Applications to Developing Economy

Text Book:

Maria John Kennedy. *Macro Economic Theory*, New Delhi: PHIL publishing,2012.

Books for Reference:

1. Glahe Fred.R. *Macro Economics Theory and Policy*, New York: Harcourt Brace Jovanovich Inc, 1998.
2. Laidler, D.E.W. *Demand for Money: Theory and Evidence*. Dum-Don Valley, NewYork: 1977.
3. Romer, D.L. *Advanced Macroeconomics*. NewYork: McGraw Hill Company Ltd., 1996.
4. Ackley.G. *Macroeconomics : Theory and Policy*. New York: Macmillan, 2010.
5. Branson, W.A. *Macroeconomic Theory and Policy* (3rd Edition). New York: Harper and Row, 1989.
6. Dornbusch. R. and F. Stanley. *Macroeconomics*, New York: McGraw Hill, Inc., 1998.

Semester – II				
Core VII –Welfare Economics				
Code: 19PECC23	**Hrs / Week: 6**		**Hrs / Semester: 90**	**Credits : 4**

Vision:

      All individuals, families, & communities utilize their power to achieve justice,   equity, & well-being.

Mission:

      To promote social, economic, and environmental justice through service at local,   state, national.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	understand the different ways to measure welfare changes for individuals and know how to aggregate them	2	Un
CO-2	be able to properly interpret compensated welfare changes and know how they relate to actual welfare changes typically isolated in demand-supply diagrams	4	Ap
CO-3	understand how to construct models and use general equilibrium analysis	1	An
CO-4	use general equilibrium analysis to evaluate the welfare effects of policy changes in a coherent way and be able to explain the economic intuition for the results	5	Ev
CO-5	be exposed to the applied welfare and public economics literatures and be able to relate the two literatures using conventional welfare economics tools	7	Un
CO-6	solve the problems of proportionality and coherence between objectives and tools in welfare systems.	3	Ap
CO-7	allocate mechanisms to allow for freedom of choice, contestability and competition.	6	Un
CO-8	investigate the distributive and allocate implications of adopting tools to imitate the working of markets	5	Re

Semester – II
Core VII –Welfare Economics

Code: 19PECC23	Hrs / Week: 6	Hrs / Semester: 90	Credits : 4

Unit I - Introductory Welfare Economics　　　　　　　　　　　　**20 hrs**

Concerns of welfare economics – value judgments in welfare economics - positive or normative - concept of social welfare – different welfare criteria - the welfare assumptions behind GDP and NNP

Unit II- Pre-Paretian Welfare Economics-I　　　　　　　　　　　　**20 hrs**

Benthamite approach to aggregate Welfare - optimum resource allocation and welfare maximization - assumption of uniform income - utility functions of individuals - consumer's surplus and tax-bounty analysis

Unit III - Paretian Welfare Economics - II　　　　　　　　　　　　**15 hrs**

Pareto optimality – Optimum exchange conditions, The production optimum, The consumption optimum; Concept of contract curve; Top level optimum; Infinite number of non-comparable optima vs. unique social optimum

Unit IV- Paretian Welfare Economics - III　　　　　　　　　　　　**15 hrs**

The Scitovsky double criterion; Concept of community indifference map, Samuelson's utility possibility curve; Value judgments and welfare economics; Bergson's social welfare function, Arrow's possibility theorem

Unit V: Some Later Developments　　　　　　　　　　　　　　**20 hrs**

Divergence between private and social costs; Problems of non-market interdependence; Externalities of production and consumption; External economies and diseconomies; Problem of public goods; Pigouvian welfare economics; Attempts to develop dynamic welfare analysis.

Text Book:

　Graaff.J.*Theoretical Welfare Economics*. Cambridge: Cambridge University Press, 1957.

Books for Reference:

1. Arrow.K. J. *Social choice and Individual Values*. New Haven: Yale University Press, 1951.
2. Baumol.W. J. *Welfare Economics and the Theory of the State- Longmans*. London: UNESCO Publications, 1965.
3. Baumol, W. J. *Welfare Economics*. U.K: Edward Elgar Publishing Ltd, 2001.
4. Broadway. R. W. and N. Bruce. *Welfare Economics*. New York: Basil Blackwell – Oxford University, 1984.
5. Feldman. A. M. *Welfare Economics and Social Choice theory.* Boston: Martinus Nijhoff, 1980.

Semester- II
Core –VIII – Mathematics For Economists

Code: 19PECC24	Hours / Week :4	Hrs / Semester: 60	Credits :3

Vision:

To upgrade performance standards in the field of mathematics in order to be a leading department in the kingdom and Arab world in academic area

Mission:

To graduate qualified cadres who are equipped with insight and research skills in the field of mathematics.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	provide for professional cadres in the field of mathematics to support the national development programs within public and higher education institutes.	2	Un
CO-2	encourage scientific research and publications in the accredited scientific publications.	3	Un
CO-3	encourage scientific research and publications in the accredited scientific publications.	5	Ev
CO-4	encourage participation in scientific forums and seminars.	6	Un
CO-5	encourage follow up of latest scientific research and techniques in the field.	7	Ap
CO-6	encourage Scientific all abortion with other related areas such as statistics and mathematics	5	Un
CO-7	establish industry links to develop mathematical models and help the industry.	8	Ap
CO-8	encourage students to conduct student projects to develop their analytical and logical thinking.	3	Ev

Semester- II
Core –VIII – Mathematics For Economists

Code: 19PECC 24	Hours / Week :4	Hrs / Semester: 60	Credits :3

Unit I - Functions & Equations   **10 Hrs**

Relations & functions – types – equations -types - Solution of linear equations in one &two variables, solution of quadratic equations- Applications

Unit II- Differentiation   **15 Hrs**

Derivative of a Function – Rules of Differentiation - Application of Simple Derivation (Total, Marginal and Average Functions) - Concept of Elasticity, Inter-relationships among Total, Marginal and Average Cost and Revenues.

Unit III - Maxima and Minima   **10 Hrs**

Maxima and Minima of Function of one Variable and two Variables-Partial Derivatives-First and Second order- Application

Unit IV-Integration   **10 Hrs**

Meaning & definition-Types - properties of definite integrals – Rules - Application in Economics

Unit V - Matrices and Determinants   **15 Hrs**

Matrices: concept, types, matrix operations, transpose, Determinants: concept, properties, Cramer's rule – rank – inverse of a matrix - matrix inversion method.

Text Book:

Monga, G.S. *Mathematics and Statistics for Economists*. New Delhi:Vikas Publishing House, 2005.

Books for Reference:

1. A.C. Chiang. *Fundamentals of Mathematical Economics*,New York: McGraw Hill, 2000.
2. Aggarwal.S.C. & R.K. Rana. *Basic Mathematical Economics*, New Delhi: V.K. Enterprise, 2003.
3. R.G.D. Allen.*Mathematics for Economics*. New York:Mc. Milan Press, 2003.
4. Taro Yamane. *Mathematics for Economics – An Elementary Survey.* New Delhi: Prentice Hall of India Pvt. Limited, P. S. 1990.

Semester – II			
Elective I A		Modern Banking	
19PECE 21	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 3

Vision:

    A leading bank in the field of investment and a partner of national wealth creators

Mission:

    We will be creative Bank that respects its customers, cherish their confidence, improves and distributes comprehensive financial services in new ways, and contributes to the country's sustainable development.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	describe the basic concepts and theories that explain the function and evolution of banking and finance.	7	Ap
CO-2	demonstrate insight into the properties and role of money and other financial assets within a modern monetary economy.	4	Ev
CO-3	examine the operations of modern banking and financial institutions as influenced by different market structures, regulatory regimes and degrees of international openness.	6	An
CO-4	critically evaluate the functions and operations of modern central banks and international financial institutions.	1	Ap
CO-5	analyse the role of the Bank of International Settlements and the functioning of international banking	4	An
CO-6	analyse the role of the financial markets and the interrelationships between theories, policy and impact of external shocks on the banking and financial sector	4	An
CO-7	familiarize learners with the vital banking functions and various banking operations required for smooth functioning of a bank.	3	Ap
CO-8	inculcate in the participants a comparative understanding of the Traditional and Modern functions of Banks.	4	Ev

Semester – II			
Elective I	A	Modern Banking	
19PECE 21	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 3

Unit I – Introduction: 10 Hrs

Origin of banks – Types of banks – Unit banking – Branch banking – Merits & Demerits. Modern banking – Meaning – Importance

Unit II - Banking Instruments: 10 Hrs

Cheques – Meaning – Types – Crossing – Draft – Meaning – Comparison between Cheque and Draft – Endorsement – Meaning – Types

Unit III-Collecting Banker: 15 Hrs

Meaning- Duties – Paying Banker – Responsibilities – Bank lending – Principles of sound lending policy

Unit IV- Electronic Banking: 10 Hrs

Traditional banking vs Modern banking- E Banking – Meaning – Activities – Advantages and limitations- E-Banking in India

Unit V - Trends in E – Banking 15 Hrs

Online banking – Concept and meaning – Credit card & Debit card- Meaning, uses & Difference between Credit card & Debit card. Mobile banking – Virtual Banking – E Payments – Electronic Fund Transfer (EFT) – automatic Teller Machine (ATM) – Uses – Electronic Money Transfer – Uses of EMT.

Text Book:

Prof.E.Gordon&Natarajan. *Banking Theory law and Practice*.Delhi: Himalaya Publishing House, 2001.

Books for Reference:

1. P.N. Varshney. *Banking Theory, law & Practice*. New Delhi: Sultha Chand & Sons, 2003.
2. P.K. Srivastava. *Banking Theory& Practice*. New Delhi: Himalaya Publishers,2005.

	Semester- II		
Elective I B	Economics of Tourism		
Code: 19PECE21	Hours / Week :4	Hrs / Semester: 60	Credits :3

Vision:

To reflects the importance of tourism to the Seychelles economy and the social wellbeing of its population

Mission:

To delivers a value-for-money and unique visitor experience, through innovation, strategic partnerships and coordination, providing information and communication and capacity development.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	critique tourism practices for their implications locally and globally.	7	Un
CO-2	contextualize tourism within broader cultural, environmental, political and economic dimensions of society.	3	Ev
CO-3	interpret and evaluate tourism as a phenomenon and as a business system.	3	Ev
CO-4	explain the diverse nature of tourism, including culture and place, global/local perspectives, and experience design and provision.	1	Ap
CO-5	identify and assess relationships and networks relative to building tourism capacity.	3, 2	An
CO-6	apply principles of sustainability to the practice of tourism in the local and global context.	4	Ap
CO-7	practice empathy and respect for diversity and multicultural perspectives.	6	Ev
CO-8	evaluate and apply various research methods commonly used in the context of tourism.	8	Ev

Semester- II			
Elective I B	Economics of Tourism		
Code: 19PECE21	Hours / Week :4	Hrs / Semester: 60	Credits :3

Unit I - Introduction   10 hrs

Tourism as an Industry –Definition - Types, Functions, Volume and Components of Tourism - Development of Tourism - Factors responsible for the growth and development of Tourism over the Years

Unit II - Significance of Tourism   15 hrs

Concepts of Tourism product – Characteristics of tourism product – Demand and supply characteristics – Factors affecting demand for tourism - Socio-economic importance of Tourism - Travel agency - Travel agents - Tourism guides – Travel Documents - Passport and other formalities

Unit III- Growth of Tourism   15 hrs

Causes for the growth of Tourism - Economic and Social factors - Transport, Accommodation and Locality - Eco- Tourism – Tour Packages and Type of Package – National and International – Tour itinerary

Unit IV- Tourism Development   10 hrs

Development of Tourism in India - Role of Private sector and Public sector - Five Year Plans and Tourism -New policy on Tourism Management Strategy- Tourism Policy analysis

Unit V - Tourism Promotion   10hrs

Functions of Advertising Agencies - support activities – Public relations - Tamil Nadu Tourism- Importance of Tourism Centre - Chennai, Ooty, Kodaikanal, Kanyakumari, Tanjore, Madurai, Rameswaram, Kanjeepuram and Kollihills.

Text Book:

Sipra Mukhopadhay. *Tourism Economics*. New Delhi: Ann Books India, 2009.

Books for Reference:
1. Bishwanath Ghosh. *Tourism and travel management*. New Delhi:Vikas Publications House
   Pvt. Ltd, 2005.
2. Pran Nath Seth. *Successful Tourism Vol 1*.New Delhi: Sterling Publishers Pvt. Ltd, 1998.
3. P.J. Sangar.*Tourism Management*.New Delhi: Anmol Publications Pvt. Ltd,1990.
4. A.K. Bhatia. *International Tourism Management*. NewDelhi:Sterling Publishers
   Pvt. Ltd, 1980.

	Semester- II		
Elective II A		Health Economics	
19PECE22	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 3

Vision:

We envision a future where systems effectively, efficiently and equitably promote the health of all populations.

Mission:

To work with partner in public health and health care to prepare leaders, design solutions and conduct innovative research that is translated into practise and policy.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	analyze and evaluate complex policy and organizational challenges at both the micro level and at higher levels within health care systems	4	An
CO-2	differentiate between the functions, roles and responsibilities of healthcare managers	6	Ap
CO-3	make successful negotiations	7	Ev
CO-4	define and apply key quality concepts in health care organizations	3	Ap
CO-5	manage organizational processes, including redesigning organizations	3	Ap
CO-6	effectively and efficiently foster innovation within care settings	2	An
CO-7	demonstrate personal and professional ethical responsibility in all managerial and organizational decision making	8	Ev
CO-8	use economic models to understand behaviors of actors in the health care sector and do analyses of needs for health care services	6	An

Semester– II			
Elective II A		**Health Economics**	
19PECE22	**Hrs/Week: 4**	**Hrs/ Semester: 60**	**Credits: 3**

.

Unit I – Introduction   15 Hrs

Meaning and definition of health economics – Scope of health economics – theoretical issues – Classification of health economics – Conceptual framework – issues in health economics

Unit II - Concepts of Health   10 Hrs

Concept of health and medical care: Meaning – Utility analysis of health – demand for and supply of health care. Determinants of health, poverty, malnutrition and environmental issues

Unit III - Health Care   15 Hrs

Economic and Societal Dimension of Health Care: Financing of health care and resource constraints – National health policy under Five year plans. Health care delivery – problems in health care delivery – inequalities – rural and urban bias

Unit IV – Health Education   10 Hrs

Health Education: Meaning – Objectives – approaches to public health – Indicators of health status – physical quality of life index – human development index

Unit V – Health Insurance   10 Hrs

Health Insurance: Meaning – Community health insurance in India – Private health insurance – Demand for health insurance – Factors influencing demand for health insurance

Text book:

Jay Bhattacharya,Timothy Hyde. *Health Economics.* Mumbai: Macmillan Education Palgrave, 2013.

Books for Reference:

1. Banerjee. D. *Social and Cultural Foundations of Health Service Systems of India, Inquiry*, Supplement to Vol. XII, June. 29,1975.
2. Banerjee, D. *Poverty, class and Health Culture in India*. New Delhi: Vol. I ParchiPrakashan, 1982.
3. Government of India. National Health Policy, New Delhi: 2001.

	Semester –II		
Elective – II B	International Economics		
19PECE22	Hrs/Week: 4	Hrs/ Semester: 60	Credits:3

Vision:

This is the advanced level in our exporting courses and takes a more in depth look into exporting.

Mission:

To examine the many aspects of international documentation, the reasoning behind the requirements, their content, free trade agreements and addressing how it should be completed along with when and where it should be presented.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	develop an in-depth understanding about Import-Export Procedures & Regulations involved.	3	An
CO-2	compare at the level of formal analysis, the major models of international trade and be able to distinguish between them in terms of their assumptions and economic implications.	2	Ap
CO-3	understand the step by step procedures of exporting business	3	Un
CO-4	know the registration requirements to obtain an IEC number to be entitled for export business	3	Un
CO-5	know the ways to arrange finance pre and post shipment for various export obligations	3	Un
CO-6	know the ways for the various export incentives schemes	7	Ap
CO-7	describe how International trade rules could affect your market entry strategy, Customs and distribution.	2	Ev
CO-8	clarify which one are the foreign trade procedures from documentation to payment methods.	2	Ev

Semester –II			
Elective – II	B	International Economics	
19PECE22	Hrs/Week: 4	Hrs/ Semester: 60	Credits:3

Unit I - Pure Theory   10 Hrs

Classical Theories (Ricardo and Mill); Evaluation of the Classical Theory; Neo-classical theories (Marshall and Haberler)

Unit II - General Equilibrium Theory   10 Hrs

Derivation of Community Indifference Curve and Trade Indifference Curve, Equilibrium through Box Diagram

Unit III- Terms of Trade   10 Hrs

Concepts, Measurements and Trends in Terms of Trade; Gains from Trade; Effects of change in demand pattern; Effects of growth in International Trade

Unit IV - Commercial Policy   15 Hrs

Free trade vs Protection; arguments for and against the policy of protection; Theory of Tariff and Quota; Economic and non-economic arguments for tariff; Dumping and Most Favoured Nation clause; Political Economy of non-tariff barriers.

Unit V - The Foreign Exchange Rate   15 Hrs

Exchange Rate Determination under Gold Standard; Balance of Payments and Purchasing Power Parity Theory; Fixed and freely fluctuating rates of exchange; Foreign Trade Multiplier

Text Book:

M.Maria John Kennedy. *International Economics*, Mumbai: PHI Learning, 2013.

Books for Reference:

1. Heberler. G. *Theory of International Trade*. Delhi: Vikas PublishingHouse,2003.
2. Kemp.M.C. *Pure Theory of International Trade*. Mumbai: Macmillan Education Palgrave, 2008.
3. Meier.G.M. *International Economics*: *The Theory of Policy*. NewDelhi: Sterling Publishers Pvt. Ltd, 1998.
4. Ohlin. B. *Interregional and International Trade*. Fifth Edition. NewDelhi: The Tata McGraw- Hill Companies, 2011.

	Semester - III		
	Core IX Growth and Development of Economics		
19PECC31	Hrs/Week: 6	Hrs/ Semester: 90	Credits: 4

Vision:

This course will explore a set of inter-related issues relating to the growth and development of the Indian Economy.

Mission:

The course exposes the student to economic development issues faced by developing countries.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	CL
CO-1	demonstrate theoretical and empirical analysis of economic growth process.	4	Un
CO-2	demonstrate an understanding of economic growth theory, development and policy implications.	7	Un
CO-3	demonstrate an awareness of economic growth problems, issues in globalisation, and provide grounding in major growth strategies and	4	Ap
CO-4	apply empirical analysis of growth models to developing countries and/or regions, and draw appropriate policy recommendations"	1	An
CO-5	analyse empirical evidence on the patterns of economic development.	6	Ev
CO-6	application of Economic Theory in the context of India	8	Ap
CO-7	exposure to Indian Economic Data	4	Ev
CO-8	critical Review of Research Papers	3	Ap

Semester - III			
Core IX Growth And Development of Economics			
19PECC31	Hrs/Week: 6	Hrs/ Semester: 90	Credits: 4

Unit I - Indicators of Economic Development: **20 Hrs**

Economic growth and development - Factors affecting economic growth: Capital, Labour and Technology.

Unit II - Theories of Development and Growth   **20 Hrs**

Classical theory of development - Adam Smith, Ricardo, Malthus, Karl Marx: Theory of surplus value - Schumpeter and Innovation- Rostow's stages of Economic Growth, Lewis' Theory of Unlimited Supply of Labour, Leibenstein's Critical Minimum Effort Thesis, Nelson's Low Level Equilibrium Trap, Rosenstein Rodan's Theory of Big-Push

Unit III - Growth Models   **15 Hrs**

Growth models - Harrod and Domar, Neo - classical growth Models - Solow and Meade, Mrs. Joan Robinson's growth model; Cambridge criticism of Neo classical analysis of growth

Unit IV- Approaches To Development   **20 Hrs**

Theories of growth and development - Vicious Circle of poverty, Unlimited supply of labour; Balanced and Unbalanced growth – Dualism – Boeke's

Unit V - Sectoral Linkages and Development   **15 Hrs**

Sectoral Linkages - Agriculture and Industry - Terms of Trade between Agriculture and Industry - Choice of Techniques and Investment Criteria - Appropriate technology

Text Book:

M.L.Jhingan. *Economics of Development & Planning.* New Delhi: Himalaya Publishing House, 2012.

Books for Reference:
1. Adelman.I. *Theories of Economic Growth and Development*. Stanford: Standford University Press, 1989.
2. Behrman.S, T.N. Srinivasan. *Handbook of Development Economics*.New Delhi:Elsevier Amsterdam. 2008.
3. Brown. M. *On the Theory and Measurement of Technical Change*. Cambridge: Cambridge University Press, 2008.

	Semester– III		
	Core X	**Indian Economy**	
19PECC32	**Hrs/Week: 6**	**Hrs/ Semester: 90**	**Credits: 4**

Vision:

Application of Economic Theory in the context of India's Economic Growth and Development

Mission:

This course will explore a set of inter-related issues relating to the growth and development of the Indian Economy.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	know the development process in India after independence	6	Ap
CO-2	understand the problems and measures in their contextual perspective	7	Un
CO-3	identify and analyse current issues	1	An
CO-4	analyse economic behaviour in practice	3	An
CO-5	understand the economic way of thinking.	6	Un
CO-6	analyse historical and current events from an economic perspective.	3	An
CO-7	write clearly expressing an economic point of view.	5	Ev
CO-8	create students ability to suggest of the various economic problems	6	Re

Semester– III			
Core X		Indian Economy	
19PECC32	Hrs/Week: 6	Hrs/ Semester: 90	Credits: 4

Unit I - Structure of Indian Economy: 20 Hrs

Natural resources – Land, Water, Forest - Demography – Features, size, sex Composition and Growth rates; Infrastructure – Transport, Communication, Energy. National Income: Trend, Growth rate and sectoral contribution

Unit II - Agricultural Sector: 20 Hrs

Institutional structure – Land reforms in India: Technological change in agriculture – Pricing of agricultural inputs and output; Terms of trade between agriculture and industry; Agricultural Finance Policy; Agricultural Marketing and Warehousing- Issues of food security – Policies for sustainable agriculture.

Unit III - Industrial Sector: 15 Hrs

Industrial Policy 1948, 1956, 1977 and 1991- Industrial licensing policy – MRTP Act- Public sector and its performance - Privatization and Disinvestment - Growth and Contribution of MSMEs.

Unit IV - Service Sector: 15 Hrs

Education – Health – Banking and Insurance- IT Sector – Information Technology Enable Services (ITES)

Unit V - External Sector: 20 Hrs

Composition of Imports and Exports – Directions and Trends in foreign trade – Import substitution and Export promotion – Balance of payments in India – Foreign Capital - MNCs in India : Growth and Effects.

Text Book:

RuddarDatt, K.P.M. Sundaram. *Indian Economy* New Delhi. R.Chand& Co,2008.

Books for Reference:

1. Kindleberger.C.P. *Economic Development*. 3rd edition. New york :McGraw Hill, 2002.
2. Jhingan.M.L. *The Economics of Development and Planning*. New Delhi:Vikas Publishing House PVT Ltd,2000.
3. Mishra.S.K.,V.K.Puri. *Indian Economy*. New Delhi:Himalaya Publishing House, 2005.
4. Dhingra I.C. *The Indian Economy. Environment and Policy.* New Delhi: Sultan Chand & Sons,1998.

	Semester- III		
	Core XI Social Economics		
Code:19 PECC33	Hours / Week :6	Hrs / Semester: 90	Credits :4

Vision:

Communities living in harmony and dignity

Mission:

The organization strives to assist disadvantaged communities in improving their life conditions, and to carry out capacity building interventions in the socio-economic and educational sectors.

Course Outcome :

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	discuss the structure and functions of the society and the process of social interaction for change towards better human relationships.	1	An
CO-2	describe the roles of philosophy and sociology in education.	2	Ap
CO-3	explain the philosophy of idealism, realism, naturalism and pragmatism and their contributions to educational theory and practice.	7	Un
CO-4	examine the current social problems relating to education in India based on equalization of educational opportunities, education of the backward classes, literacy of girls' education and freedom and discipline.	6	Un
CO-5	develop the educational planning and to create the skill of employment	4	Ap
CO-6	develop the skill of students regarding creating the opportunities of the employment	5	An
CO-7	make the students to aware the socio economic conditions regarding the employment and education	6	Ap
CO-8	create the knowledge to make a difference between the self employment and the sectoral employment	7	Re

Semester- III			
Core XI Social Economics			
Code: 19PECC 33	Hours / Week :6	Hrs / Semester: 90	Credits :4

Unit I - Introduction to Economics of Education 20 Hrs

Definition and scope of Economics of Education- Education as Consumption and Investment goods - Human capital: the concept - Components of Human capital. Historical developments in the human capital theory - Human Capital vs. Physical Capital, Human capital and human development

Unit II - Costs and Benefits of Education 20 Hrs

Cost of Education – Expenditure on Education, Private Costs and Social Costs; Direct and Indirect / opportunity costs; Benefits of Education – Direct and Indirect Benefits; Private and Social Benefits; Problems in the Measurement of Costs and Benefits. Cost-Benefit Analysis in Education

Unit III - Educational Planning 20 Hrs

Education, Employment and Income; Contribution of Education to economic growth; Education, Poverty and Income Distribution; Approaches to educational planning-Economics of Educational Planning in Developing Countries with special reference to India - Educational Planning and the problem of educated unemployment and brain drain.

Unit IV - Educational- Financing 15 Hrs

 Role of financing in the development of education - Financing of education in India - Equity and Efficiency Effects of financing education in India - Implications of GATS on Indian Education and financing

Unit V - The role of health in economic development 15 Hrs

Health as human capital; Determinants of Health- Poverty, Malnutrition; Economic Dimensions of Health Care – Demand and Supply of Health Care.

Text Book:

Blaug, Mark. *Introduction to Economics of Education*. London: Penguin, 1972.

Books for Reference:

1. Becker, G.S. (1974) *Human Capital*. New York: 2nd Edn., NBER,
2. Berman, P and M.E.Khan (1989) *Paying for India's Health Care.* New Delhi: Sage Publications.
3. Cohn, E and T.Gaske (1989) *Economics of Education*, London: Pergamon Press.

	Semester - III		
	Core XII Research Methodology		
19PECC 34	**Hrs/Week: 4**	**Hrs/ Semester: 60**	**Credits: 4**

Vision:

Develop skills in qualitative and quantitative data analysis and presentation and to develop advanced critical thinking skills.

Mission:

Develop a comprehensive research methodology for a research question. Apply the understanding of feasibility and practicality of research methodology for a proposed project.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	understand a general definition of research design.	6	Un
CO-2	know why educational research is undertaken, and the audiences that profit from	3	Ap
CO-3	identify the overall process of designing a research study from its	1	Ap
CO-4	be familiar with ethical issues in educational research, including those issues that	8	Un
CO-5	Know the primary characteristics of quantitative research and qualitative research.	2	Ap
CO-6	identify a research problem stated in a study.	8	Ev
CO-7	familiar with how to write a good introduction to an educational research study	6	Ap
CO-8	distinguish a purpose statement, a research question or hypothesis, and a research objective.	4	An

Semester - III			
Core XII Research Methodology			
19PECC 34	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 4

Unit I - Researcher's Approaches   10 Hrs

Problems of Research in Social Sciences - Objectivity - Types of Research - Formulation of a Research problem - Components of Research Design - Importance of Research in Social Sciences

Unit II - Collection of Data   15Hrs

Types of Data: Primary and Secondary data - Methods of collection of Primary Data: Direct Personal Investigation, Indirect oral investigation, Information received through local agents, key informants, correspondents and mailed questionnaire - Secondary data: Sources, Limitations of Secondary Data - Precautions in the use of Secondary Data

Unit III - Processing and Analysis of Data   10 Hrs

Editing, Coding, Classification, Objects, Rules, Tabulation, Preparation of a statistical table- Requisites of a good table - Types of Tables: Format of a simple one way table and three way tables

Unit IV - Testing of Hypothesis   15 Hrs

Definition of Hypothesis, Characteristics, source of Hypothesis – Formulation of Hypothesis - Importance of Hypothesis – Pre-requisites for testing of Hypothesis, testing of Hypothesis, Types of errors in testing of Hypothesis, Level of significance

Unit V- Report Writing   10 Hrs

Reporting - Requirements and mechanics of Report writing - Uses of Computer in Research and Reporting: Appendix: Bibliography

Text Book:

Kothari. C.R. *Research Methodology*. New Delhi: Himalayas Publications, 2003.

Books for Reference
1. Cohen. M.R., Nagal. *Introduction to Logic and Scientific methods Book-II.Mumbai:* Madison Publications, 1934.
2. Good and Halt. *Methods in Social Research* .S.Chand Publications, 1999.
3. Kurien C.T.A. *Guide to Research in Economics.Mumbai:* S.Chand Publications, 2002.

	Semester - III		
Elective - I A	Marketing Management		
19PECE 31	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 3

Vision:

  To understand the place and contribution of marketing to the business enterprise

Mission:

   To identify the roles of advertising, sales promotion, public relations, personal selling, and direct marketing in the promotion mix; compare and contrast integrated marketing communications.

Course Outcome:

CO.No.	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	develop an ability to understand and develop the marketing mix for an organisation.	2	An
CO-2	develop an ability to assess the impact of the environment on marketing function	2	An
CO-3	develop suitable marketing strategies in light of the environment	1	Ap
CO-4	develop marketing strategies based on product, price, place and promotion objectives.	3	Un
CO-5	create an integrated marketing communications plan which includes promotional strategies and measures of effectiveness.	5	Ev
CO-6	communicate the unique marketing mixes and selling propositions for specific product offerings.	7	Un
CO-7	understanding about marketing management concepts and frameworks, and apply these to a new or existing business.	7	Un
CO-8	apply knowledge and skills to real-world experiences in an internship.	1	Ap

Semester– III			
Elective I A		Marketing Management	
19PECE 31	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 3

Unit I - Marketing Management   10 Hrs

Definition and meaning of Marketing and Marketing Management – Importance of Marketing Management – Functions of Marketing Executive – Social Responsibilities of Marketers

Unit II - Buyer Behaviour and Product   10 Hrs

Buyer behaviour – Factors influencing consumers buying behaviour – consumer and industrial goods marketing – Meaning of Product – New product Development – Branding – Product life Cycle – Product Mix – Product Line – Product Diversification – Product positioning

Unit III - Macro Environment and Marketing Research   15 Hrs

Macro Environment – The concept of Environmental Threat – Macro Environmental factors affecting Marketing – Economics – Demography Technology – Culture – Law – Government   Policies – Marketing Research – Scope, Aims, Objectives, Functions and Procedure or Steps in Marketing Research.

Unit IV- Pricing of Products   10 Hrs

Pricing of Products – Pricing decision – Objectives of Pricing – Practical Methods of Pricing: Cost-plus, Rate of Return on Investment, Going Rate Pricing, Geographical Pricing, Odd Pricing, Penetration Pricing, Skimming Pricing

Unit V- Advertising and Sales Promotion   15 Hrs

Advertising and sales Promotion – Purpose and scope of Advertising – Major decisions on advertising – Choice of Media –Advertising Budget – Sales Promotion measures – AIDAS formula – Sales force – Task of Salesman – Size of Sales force – Recruiting – Training – Motivation – Evaluation of sales force

Text Book:

Rajan Saxena .*Marketing Management. Delhi:* Himalaya Publishing House, 2002.

Books for Reference:
1. Philip Kotler. *Marketing Management.* New Delhi: Prentice Hall Stanton,1987.
2, L.Natarajan. *Marketing*. Chennai: Margham Publications, 2000.
3. Arun Kumar & N.Meenatshi (1999)*Marketing Management*.
4. C.Sinha .*Principles of Marketing and Salesmanship*. New Delhi: R.Chand&Co
   Publishers, 2000.

	Semester – III		
Elective – I B	Computer Application In Economic Analysis		
Code: 19PECE31	Hrs / Week: 4	Hrs / Semester: 60	Credits : 3

Vision:

> To be the source of bringing out globally competent pioneering computing professionals, researchers, innovators and entrepreneurs and thereby succeed and contribute value to the knowledge-based economy and society.

Mission:

> To offer high-grade, value-based Post-graduate and Doctoral programmes in the field of Computer Applications.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	handle real data with confidence	4	Ap
CO-2	apply econometric methods of analysis to new circumstances	1	Ap
CO-3	understand the conditions under which particular estimators are appropriate	7	Un
CO-4	apply the theoretical methods to numerical data	7	Un
CO-5	write and present technical material lucidly	3	Ap
CO-6	understand the basic theory of the ordinary least squares, generalized least squares and panel data models	2	An
CO-7	apply appropriate estimators to the type of numerical data given in seminar exercises and computing classes	8	Ev
CO-8	interpret empirical results in applied economics literature	6	Un

Semester – III			
Elective – I B	**Computer Application In Economic Analysis**		
Code: 19PECE31	**Hrs / Week: 4**	**Hrs / Semester: 60**	**Credits : 3**

Unit I- Introduction   10 Hrs

Introduction to Computers: Basic components of computer—CPU, input-output devices, keyboard, mouse and scanner, video display, printers and plotters, data storage and retrieval, hard disk, floppy and CD ROM; Types of computers and their applications; Computer networking and resource sharing, hardware, software and firmware.

Unit II - Data Processing   15 Hrs

Data Processing, Techniques and Algorithms : Concept of data, record and file; Types of data and data structures, data analysis; File handling and operations like opening, appending and cascading, closing and attribute control; Data storage and retrieval; Data operations.

Unit III - Computer Applications   10Hrs

Programming logic - Plan charts and decision tables - Electronic Mailing (Email), Applications-Industry; CAD/CAM - Business: Payroll system, Stock control, and Sales Monitoring System - Industry; Banking and Finance

Unit IV- Statistical Packages   15Hrs

Statistical packages – EXCEL, Data management and data transformation, Series, groups, tables, graphs and objects, Time and Frequency Series, Joining of data file, Data import and export, Data Creating and Labelling of variables and values.

Unit V - Introduction to Internet   10 Hrs

Facilities in internet Modem -World Wide Web - Internet basics – Browsing, Internet using search engines – opening E mail ID, sending and checking E-mail – downloading text from Internet.

Text Book:

V Raja Raman .*Computer Programming fortran IV*. Mumbai:Prentice Hall of India,2001.

Books for Reference:

1. Show Skuo. *Numerical Methods and Computers*. UK: Wosley Publishing Company
   Inc,2000.
2. Daniel Macrakens. *A Guide to fortran IV Programming*.New Delhi: John Wiley and Sons,
   2013.
3. Rajasekharan.S. *Numerical Methods in Science and Engineering*. Allahabad: A.H. Wheeler
   Publications,1986.

	Semester- III		
Elective II A	Human Resource Management		
19PECE32	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 3

Vision:

To encourage exceptional performance and continuous improvement, fosters teamwork, and supports balanced attention to work and personal life issues.

Mission:

To promoting a quality work environment that positively influences the education of our students.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	explain the importance of human resources and their effective management in organizations	7	Un
CO-2	demonstrate a basic understanding of different tools used in forecasting and planning human resource needs	2	Un
CO-3	analyze the key issues related to administering the human elements such as motivation, compensation, appraisal, career planning, diversity, ethics, and training	8	Ap
CO-4	research the advantages and disadvantages of induction processes for new incumbents in a role	3	An
CO-5	develop, analyze and apply advanced training strategies and specifications for the delivery of training programs	8	Ev
CO-6	describe appropriate implementation, monitoring and assessment procedures of training	6	Un
CO-7	describe the fundamental concepts and rules of law that apply to business activities, the employment function, and labour	5	Ap
CO-8	describe trends in the labour force composition and how they affect human resource management	4	Ap

Semester- III			
Elective II A		**Human Resource Management**	
19PECE 32	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 3

Unit I- Nature and Scope **10 Hrs**

Human Resource Management: Meaning and scope, functions and objectives - HRM Model - Human Resources planning - Job design and Job analysis.

Unit II - Recruitment and Selection **15 Hrs**

Recruitment: Definition - Recruitment process and screening - Definition of Selection and role - Selection process - New Methods of Selection – Absenteeism and labour turnover: Determinants and types – Motivation.

Unit III - Training and Development **10 Hrs**

Nature and Importance of Training and Development - Impediments - Effective Training Performance Appraisal and Organizational Strategy

Unit IV- Employee Remuneration **10 Hrs**

Theories of Remuneration - Ideal Remuneration - Factors influencing remuneration - types of incentives schemes

Unit V- Benefits, Safety and Welfare **15 Hrs**

Types of Benefits and Services -Principles of Fringes -Empowerment - Quality of Work Life - Welfare Measures - Need for Safety and health -Business ethics - Human Resource Audit

Text Book:

R.D. Agarwal . *Dynamics of Personnel Management in India*. New Delhi: 1977.

Books for Reference:

1. Swathappa .*Human Resources and Personal Management.* New Delhi: Tata McGraw Hill Publishing Co.Ltd., 1999.
2. John Storey. *Human Resource Management* . New Delhi: 1995 .
3. Terry, L. Leap, Michael D. Crino. *Personnel / Human Resource Management*.Macmillan Publications,1990.
4. C.S. Venkataratnam ,B.K. Srivastav . *Personal Management & Human Resources*. New Delhi:Tata McGraw Hill Publishing & Co, 1991.

Semester - III			
Elective II B		Logistic Management	
19PECE32	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 3

Vision:

To learn about the importance of logistics to business organizations

Mission:

To provide a brief overview of the set of activities that make up the logistics process

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	Understand the concepts of Logistics and Supply Chain Management.	8	Un
CO-2	understand the relationship between logistics and supply chain management	8	Un
CO-3	understand the principles of Procurement and Outsourcing	2	Ap
CO-4	apply the principles of Inventory Management	1	Ap
CO-5	use the principles of Warehousing to improve their Warehousing Operations	7	Ap
CO-6	relate to Marketing and Physical Distribution concepts	4	Ev
CO-7	apply Packaging and Materials handling Principles to Logistics Operations	1	Ap
CO-8	recognise the requirements for Transportation and International Logistics	4	Re

Semester - III			
Elective II B		Logistic Management	
19PECE 32	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 3

Unit I -Introduction to Logistic Management   10 Hrs

Concepts – Objectives – Logistics with marketing Interface – Relevance of Logistics to Export Management – Importance – Functions of Logistics.

Unit II - Logistics Processing   10 Hrs

Elements of Logistics – Inventory carrying - Warehousing – Types – Material handling – Order processing

Unit III - Shipping Industry   15 Hrs

General structure of shipping Industry – Types of ships – Shipping routes – Containerization – Benefits and constraints – Inland Container Depot – Export Clearance at ICD'S – Container Freight Stations.

Unit IV - Transport Infrastructure   10 Hrs

Transportation Infrastructure – Port Infrastructure – Airport Infrastructure – Canal Infrastructure – Rail Infrastructure – Road Infrastructure

Unit V - Procedures of Port   15 Hrs

Port procedures – Bill of loading – Demand forecasting – Impact of forecast on logistics management – Insurance aspects of Logistic

Text Book:

Krishnaveni Muthiah . *Logistics Management*. New Delhi :Himalayas Publishing house, 2005.

Books for Reference:

1. D.k. Agarwal. *Textbook of logistics and supply Chain Management.* New Delhi: Mac Milan India Ltd, 2003.
2. Martin Christoper. *Logistics and supply chain management.*Chennai*:* Pearson Education,2003
3. Ronald h. Ballou. *Business Logistics and Supply chain Management* Chennai: Pearson Education.2004.
4. Doughan Lambert.*Fundamentals of Logistics Management*,London: Mc Graw Hill,1998.

Semester – IV			
Core XIII	Indian Economic History and Thought		
Code: 19PECC41	Hrs / Week: 6	Hrs / Semester: 90	Credits : 4

Vision:

To introduce students to the most advanced themes of analysis such as the critical comparison of the contributions of the main schools of economists:

Mission:

To apply this knowledge and understanding to the way in which the research can be prepared and presented with specific contributions on themes of economic analysis and concerning figures of economists

Course Outcome :

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	debate similarities and differences among different economy schools.	7	Ap
CO-2	comprehend the development of the theory of economics in historical perspective.	2	Un
CO-3	comprehend emerging paradigms and aberrations with its reasons	8	Ap
CO-4	understand the development of economic thought in the context of the evolving global economy.	3	Un
CO-5	identify the development of economic thought from a historical perspective and how the economic thought of one historical period	7	Ev
CO-6	clearly identify how economic theory has developed as a result of the evolution of economic thought.	6	Ap
CO-7	promote the autonomy of judgment in selecting the most reliable sources of research, in applying a constructive critical approach of the research outcomes	5	Un
CO-8	promote communication abilities, such as how to communicate in English the research targets and outcomes, and how the communicate in an effective	9	Ap

Semester – IV		
Core XIII	Indian Economic History and Thought	
Code: 19PECC41	Hrs / Week: 6	Hrs / Semester: 90	Credits : 4

Unit I- Economic History: An Introductory Perspective   **20 Hrs**

Globalisation and colonialism; Theories of Economic History; Market Formation, Institutions, Class, Political Power and Resource Endowments; Colonial Narratives of India and beyond

Unit II -The Pre-British Indian Economy – India in the World   **20 Hrs**

Share of Indian Economy in the World GDP before 1700 and comparing the share of different countries — Terms of Trade—Contribution of Agriculture – Industry and Trade- Centres and Higher Education system in Ancient India – The economic system in India in the Pre-British Period – Its salient features.

Unit III- Indian Economy under British Rule   **15 Hrs**

Indian economy after 1700 – The nature and intensity of economic exploitation of India under British Rule – the declining share of India in the World GDP – Decline of Indian agriculture-Industry – Trade – Appearance of Poverty and Famines - Farmers' indebtedness.

Unit IV - Economic Thoughts I   **15 Hrs**

Kautilya's Arthasastra –Thirukural - Economic Thoughts of Dadabhai Naoroji – Mahadev Govind Ranade (M.G.Ranade) -Romesh Chandra Dutt (R.C. Dutt) - B.R. Ambedkar - J.C.Kumarappa –Amartya Sen

Unit V- Economic Thoughts II   **20 Hrs**

Economic thoughts of Gandhi – Decentralised Planning concept of Gandhi – Gandhian Economics - Economic Perspectives of Nehru- Compare and contrast Economic Perspectives of Nehru and Gandhi – Integral Humanism and its relevance today- Naroji – Jagedish Bhagavathi- Amrthya Sen

Text Book:

Lokanathan. *A History of Economic Thought*. New Delhi: S.Chand & Company Ltd, 2013.

Books for Reference:

1. RomeshDutt. *The Economic History of India – Under Early British Rule, Vol.1 &Vol. II, ed.*Great Britain: Mgruew Publications,1999.
2. Dharamapal. *The Beautiful Tree*. Coimbatore: Keerthi Publishing House Pvt. Ltd, and AVP Printers and Publishers Pvt. Limited, 1995.
3. Bhattacharyya, Dhires. *A Concise History of Indian Economy*.New Delhi: Prentice Hall of India Ltd. (PHI), 1989.
4. Dasgupta, Ajit K. *A History of Indian Economic Thought*. London: Routledge Publications,1993.

Semester- IV			
Core XIV Demography			
19PECC42	Hrs/Week: 6	Hrs/ Semester: 90	Credits: 4

Vision:

To enable the students to make the best use of relevant demographic statistics in development analysis
.

Mission:

A historical and current perspective of population size, growth rates and region-wide distribution is contained therein so as to provide students with a background for further delving into the subject

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	compare the advantages and disadvantages of the different sources of demographic data	8	Ap
CO-2	present appropriate techniques to ensure comparability of the measures across population.	2	Un
CO-3	describe the basic demographic indicators and elaborate on their computation and interpretation	1	Ap
CO-4	discuss the key assumptions underlying techniques and tools.	4	Un
CO-5	describe the relations and calculate indicators in a stationary population.	8	Un
CO-6	estimate the rate of change in population.	1	Ev
CO-7	define and differentiate the demographic concepts.	7	Ap
CO-8	recognize and analyse typical demographic patterns arising from the data.	4	An

Semester- IV			
Core XIV Demography			
19PECC42	Hrs/Week: 6	Hrs/ Semester: 90	Credits: 4

Unit I - Introduction   **15 Hrs**

Meaning and Scope of Demography - Components of Population Growth and their Interdependence - Measures of Population Change - Growth, Structure and Distribution-Sources of Population Data

Unit II - Historical and Regional Trends   **20 Hrs**

Population Trends in the Modern Era - Trends in Population (from 1965 onwards) – Population Explosion as a recent Phenomenon in the Perspective of Human History - Estimates of Sizes and Rate of Growth of Population in the Recent Years - Shifting Proportions of Human Population and Density in Different Regions.

Unit III - Sex and Age Structure   **15 Hrs**

Patterns of Sex and Age Structure in More Developed and Less Developed Countries - Determinants of Sex and Age Structure - Age Structure - Economic and Social Implications of Sex and Age Structure- Demographic Dividend.

Unit IV - Techniques of Demographic Analysis   **20 Hrs**

Crude Birth and Death Rates, Age Specific Birth and Death Rates - Standardized Birth and Death Rates - Study of Fertility: Total Fertility Rate, Gross Reproduction Rate, and Net Reproduction Rate - Study of Marital Status - Life Table- Reproductive and Child Health in India.

Unit V- Population Projections and Population Policies   **20 Hrs**

Techniques of Population Projection - Concept of Stationary, Stable and Quasi – Stationary Population - Ageing of Population - Changes in Family Structure and Old Age Security. Definition and History of Policies affecting fertility in Developing and Less Developed Countries

Text Book:

Agarwal U.D.*Population Projections and TheirAccuracy*. New Delhi: B.R.Publishers, 2005.

Books for Reference:

1. Bhende A , Kanitkar T. *Principles of Population Studies*. Mumbai: Himalaya Publications House, 2000.
2. Bogue D.J. *Principles of Demography.* New York: John Wiley Publications,1999.
3. Hans Raj. *Fundamentals of Demography*. New Delhi: Surjeet Publications, 2003.

Semester- IV			
Core XV Financial Institution and Markets			
19PECC43	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 4

Vision:

　　To describe each type of financial markets with a focus on its globalization, its utilization by financial institutions

Mission:

　　This course is intended for students who want to increase their familiarity with financial market operations and practical aspects of managing personal finance.

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	explain the role of short-term financial management, and the key strategies and techniques used	4	Un
CO-2	describe the dimensions of performance and risk relevant to financial firms.	7	Un
CO-3	calculate contemporary measures of financial measures of performance and risk.	8	Ap
CO-4	describe contemporary managerial risk management oversight processes	1	Ap
CO-5	manage cash, marketable securities, accounts receivable and inventory.	4	Un
CO-6	identify the major sources of short-term financing available to the firm.	2	Ap
CO-7	analyse financial statements using standard financial ratios of liquidity, activity, debt, profitability, and market value.	3	Ev
CO-8	apply techniques to project financial statements for forecasting long-term financial	2	Ap

Semester - IV			
Core XV Financial Institution and Markets			
19PECC43	Hrs/Week: 4	Hrs/ Semester: 60	Credits: 4

Unit I- Financial System   15 Hrs
Nature & Role of Financial System – money and near money – Financial intermediation and financial intermediaries – the structure of the financial system – Functions of the financial sector; Equilibrium in financial markets

Unit II- Interest Rates   10 Hrs
Structure of interest rates – level of interest rates – long period& short period rates – term structure of interest rates – spread between lending &deposit rates – administered interest rates – appropriate interest rate policy.

Unit III- Non – Bank Financial Institutions   10 Hrs
Non-bank financial intermediaries, definition and types of non- bank financial institutions - growth and impact on India's economic development-Measures taken to control their operations.

Unit IV- Money Market and Capital Market   15 Hrs
Role and structure of money & capital market – call money market, Treasury bill market-Commercial bill market including commercial paper and certificate of deposits. Discount market – Government securities market – markets for derivatives: future and options and other derivatives- SEBI, its impact on capital market in India; IDRA and its role in financial markets

Unit V – Role of Financial Markets   10 Hrs
International financial markets – nature, organisation and participants – reforms in international monetary system and its impact on developing countries-Euro- dollar and Euro-currency markets; their developmental role and regulation at the international level

Text Book:
Bhole L.M. *Financial Institutions and Markets*. New Delhi :TMH Publications, 2003.

Books for Reference:
1. Bhole L.M.*Indian Financial System*. Allahabad :Chugh Publications,2000.
2. Edminster R.O. *Financial Institutions* Markets & Management. NewYork: McGraw Hill, 1993.
3. Khan M.Y. *Indian Financial System*. NewDelhi :TMH Publications,2001.
4. Prasad K.N.*Development of India's Financial System*. New Delhi: Sarup & Sons, Publications,2006.
5. Chandra P. *Financial Markets.*T New Delhi: TMH Publications,2004.

	Semester - IV		
	Core XVI	**Monetary Economics**	
19PECC44	**Hrs/Week: 4**	**Hrs/ Semester: 60**	**Credits: 4**

Vision:

To realise their full potential and thus shape them into future leaders to address the emerging global challenges and to deal with economic, social and business realities

Mission:

To impart the highest quality instruction to our Post graduate students and to train them in the methods and ideas of modern theoretical and applied economics

Course Outcome:

CO. No	Upon Completion of this course, students will be able to	PSO addressed	Cognitive Level
CO-1	explain the role of short-term monetary policy, and the key strategies and techniques used	4	Ap
CO-2	describe the dimensions of performance and risk relevant to financial firms.	7	Un
CO-3	calculate contemporary measures of monetary measures of performance and risk.	8	Ap
CO-4	describe contemporary monetary risk management oversight processes	1	An
CO-5	manage cash, marketable securities, accounts receivable and inventory.	4	Ap
CO-6	identify the major sources of short-term and long term monetary finance available to the firm.	2	Un
CO-7	analyse financial statements using standard financial ratios of liquidity, activity, debt, profitability, and market value.	3	An
CO-8	apply techniques to project financial statements for forecasting long-term financial	2	Un

Semester - IV			
	Core XVI	**Monetary Economics**	
19PECC44	**Hrs/Week: 4**	**Hrs/ Semester: 60**	**Credits: 4**

Unit I – Introduction 15 Hrs

Meaning, functions and kinds of money; components of supply of money, Measures of money supply - Features of a developed money and capital market - Functions of commercial banks and prerequisites of a sound commercial banking system - A brief review of the measures taken in India to liberalize the financial system.

Unit II - Theories of demand for money 10 Hrs

Classical and Keynes; Money supply, the H theory of money supply, Money multiplier process, determinants of money multiplier; Keynes; income theory of money; Neo-classical theory of money.

Unit III - Functions & growth of financial institutions 15 Hrs

Functions and objectives of central bank; instruments of credit control- Objectives and limitations of monetary policy - Role of non-banking financial institutions in India – mutual funds, LIC, Investment companies, venture capital- Role of regulatory authorities – SEBI and IRDA.

Unit – IV The structure of financial markets 10 Hrs

Call money, treasury bills and commercial bills; the stock market and market for gilt edged securities; unregulated credit markets - Financial sector reforms in India.

Unit – V Foreign exchange 10 Hrs

Foreign exchange rate, foreign exchange market – concept of spot exchange rate and forward exchange rates; determination of exchange rates under fixed & flexible exchange rate regime and role of hedging in the determination of exchange rates; Euro-Dollar market – its role &significance

Text Book:

Gupta S.B. *Monetary Economics*. New Delhi: S.Chand & Company, 1999.

Books for Reference:

1. Mitra S. *Money & Banking*. New York : Random House,2002.
2. Chandler L.V. *The Economics of Money and Banking*. Harper & Row, New York: 1989.
3. S.M. Goldfeld Sayers. *Modern Banking*. New Delhi: Oxford University Press,2000.
4. Smith P.F. *Economics of Financial Institutions & Markets. Mumbai:* Prentice Hall,2010.
5. Gupta S.B. *Monetary planning for India*. New Delhi: S.Chand & Company,1990.

Semester - IV			
Core XVII		Project	
19PECP 45	Hrs/Week: 8	Hrs/ Semester: 120	Credits: 8

GUIDELINES FOR THE PROJECT WORK OF THE PG PROGRAMME INECONOMICS

The students are expected to carry out a project work in the last semester. It is equivalent to a core course. For maintaining uniformity and quality in its preparation, the Board of Studies has prepared clear guidelines.

The scheme and syllabus of the M.A. Programme in Economics under the CBCS suggests those students shall do a final research project for attaining intellectual maturation. The project is a major document that reflects the skills of the student to investigate critically a topic/problem, the ability to gather and analyze information, and to present and discuss the results/investigation concisely and clearly. The guidelines to be followed in the preparation and submission of the project are as given here under.

1. The students may choose any topic from the subject he/she has studied, including the social and economic issues in the local/regional context.

2. The project work should be supervised by a faculty approved by the University.

3. The students shall prepare and submit the project report to the University/approved study Centre.

4. The report with around 40 A4 size pages (excluding preliminary pages) with at least 20 lines per page on one side of the paper only. The report should be bound (spiral or other ways).

5. The project report should be submitted to the Department within the date announced by the Controller of Examinations

6. The student shall prepare two copies of the report; one copy for submitting to the University and one copy for personal reference.

7. Structure of the project report:

• Title page

• Certificate from the supervising teacher

• Certificate by the students

• Acknowledgements

• Contents

• List of Tables and graphs

• List of Acronyms used

• An Abstract of the project work. The abstract constitutes an up to one-page executive summary, which provides a brief outline of the objectives, scope of the project , the methodology used, the main findings and results achieved and any conclusions and recommendations made. This should appear before the introductory chapter.

• Chapter 1: Introduction (which includes importance of the study, objectives of the study, methodology and data source, Chapter frame, Concepts used, limitations of the study etc)

• Chapter II: Review of Literature

• Chapter III: Profile of the study area (Optional)

• Chapter IV: Data Analysis (Core of the report)

• Chapter V: Summary of Findings and Conclusions

• Appendix: Questionnaire/Schedule, other exhibits, case etc.

• Select Bibliography (In referencing and bibliographic preparation, the APA

(American Psychological Association) style sheet is recommended).

9. A project work must be the student's own work and must not contain any plagiarized material.

10. Evaluation of the project report: The project report shall be subject to both internal and external evaluation.

11. The internal as well as external evaluation shall be done by the University. This component is examined on the basis of the students' awareness in the research process and its methodology. An objective multiple choice Question Bank developed for the course may be used for internal evaluation.

12. The external assessment of the project is based mainly on the written material. Hence, the objective evaluation of it demands clear procedure. Accordingly, the examiners' assessment of the project work will be based on a variety of features. These include amongst others:

- Understanding of the topic

- Methodology used, the standard of presentation

- The adequacy of the literature survey and data search

- Integration with literature; interpretation of data and results

- Ability to explain findings; originality

- The correct usage of referencing system; etc.