

DEPARTMENT OF ECONOMICS

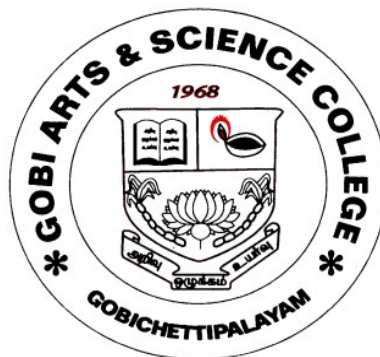
M.A. (ECONOMICS)

(Students admitted during 2019-2020 Onwards)

(Under CBCS with Outcome Based Education (OBE) Pattern)

SYLLABUS

I & II SEMESTER



GOBI ARTS & SCIENCE COLLEGE

(Govt. Aided Autonomous Co-educational Institution, Affiliated to
Bharathiar University, Coimbatore, Re-accredited with 'A' Grade by NAAC (3rd cycle)
and Nationally Ranked by NIRF, MHRD, Government of India)

**KARATTADIPALAYAM POST,
GOBICHETTIPALAYAM - 638453
ERODE DISTRICT.**

GOBI ARTS & SCIENCE COLLEGE (Autonomous)

Vision

Social and Economic upliftment of the people of this area through value based quality Education.

Mission

Committed to serve the society with humility and trust, devoid of exploitation; to impart value based higher education, particularly to the socially and economically deprived sections of this area; to make students of this institution worthy citizens of our glorious motherland.

DEPARTMENT OF ECONOMICS

Vision

To generate and disseminate knowledge in the fields of economics that include industrial, fiscal, resource and environmental, monetary, international, development, human resource, econometrics and research.

Mission

To enhance the capacity of the students through application oriented creative learning of economics for better socio economic empowerment.

GOBI ARTS & SCIENCE COLLEGE (AUTONOMOUS): GOBICHETTIPALAYAM

SCHEME OF EXAMINATIONS - M.A. (ECONOMICS) (19 BATCH)

No.	Course Code	Course	Total Hours	Hrs/Exam	Maximum Marks		Total Marks	Credits
					CIA	EOS		
SEMESTER - I								
1	19P3EC01	ADVANCED MICRO ECONOMICS - I	90	3	40	60	100	5.0
2	19P3EC02	INDIAN ECONOMIC DEVELOPMENT AND POLICY	90	3	40	60	100	4.0
3	19P3EC03	MATHEMATICAL TECHNIQUES IN ECONOMICS	90	3	40	60	100	4.0
4	19P3EC04	ECONOMICS OF GROWTH AND DEVELOPMENT	90	3	40	60	100	4.0
5	19P3EC05	DEMOGRAPHY	90	3	40	60	100	4.0
SEMESTER - II								
6	19P3EC06	ADVANCED MICRO ECONOMICS - II	90	3	40	60	100	5.0
7	19P3EC07	ECONOMETRICS	90	3	40	60	100	4.0
8	19P3EC08	RESEARCH METHODOLOGY & STATISTICAL METHODS	90	3	40	60	100	4.0
9	19P3EC09	AGRICULTURAL ECONOMICS	90	3	40	60	100	4.0
10	19P3EC10	GENDER AND DEVELOPMENT	90	3	40	60	100	4.0
SEMESTER - III								
11	19P3EC11	ADVANCED MACRO ECONOMICS		3	40	60	100	4.5
12	19P3EC12	FOREIGN TRADE : THEORY AND MANAGEMENT		3	40	60	100	4.5
13	19P3EC13	STATISTICAL PACKAGES FOR DATA ANALYSIS - THEORY		3	40	60	100	4.5
14	19P3ECP0	STATISTICAL PACKAGES FOR DATA ANALYSIS - PRACTICAL		3	40	60	100	4.0
15		SUPPORTIVE PAPER :		3	40	60	100	4.0
SEMESTER - IV								
16	19P3EC14	MONETARY THEORY AND POLICY		3	40	60	100	4.5
17	19P3EC15	FISCAL ECONOMICS		3	40	60	100	4.5
18	19P3EC16	ENVIRONMENTAL ECONOMICS AND POLICY		3	40	60	100	4.5
19	19P3EC17	INDUSTRIAL ECONOMICS		3	40	60	100	4.5
20	19P3ECV1	PROJECT WORK AND VIVA - VOCE (COMMON TO SEMESTERS III & IV)				200	200	8.5

TOTAL CREDITS: 90

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN

K1-Remember; K2- Understanding; K3- Apply; K4-Analyze; K5- Evaluate

I. END OF SEMESTER (EOS) EXAMINATIONS:

1. Theory: 60 Marks

Knowledge Level	Section	Marks	Description	Total
K1	A (Answer All)	$10 \times 1 = 10$	MCQ	60
K2	B (Either or Pattern)	$5 \times 4 = 20$	Short answers	
K3 & K4	C (Answer 3 out of 5)	$3 \times 10 = 30$	Descriptive/Detailed	

2. Practical Examinations: 60 Marks

Knowledge Level	Section		Total
	Practical	Record work	
K3	50	10	60
K4			
K5			

II. CONTINUOUS INTERNAL ASSESSMENT (CIA):

1. Test – I & II: 30 Marks (Theory)

Knowledge Level	Section	Marks	Description	Total
K1	A (Answer All)	$10 \times 1 = 10$	MCQ	30
K2	B (Answer 2 out of 3)	$2 \times 5 = 10$	Short answers	
K3 & K4	C (Answer 1 out of 2)	$1 \times 10 = 10$	Descriptive/Detailed	

2. Test –III: (Model Exam)

Knowledge Level	Section	Marks	Description	Total
K1	A (Answer All)	$10 \times 1 = 10$	MCQ	60 Marks converted to 40 Marks
K2	B (Either or Pattern)	$5 \times 4 = 20$	Short answers	
K3 & K4	C (Answer 3 out of 5)	$3 \times 10 = 30$	Descriptive/Detailed	

Components of Continuous Internal Assessment (CIA)

Components		Calculation	CIA Total
Test 1 & Test 2	30	$30 + 40 + 30 = \frac{100 \times 40}{100} = 40$	40
Test 3	40		
Assignment+ Seminar+ Quiz / GD / Poster Presentation / Book Review / Field Visit Report	$10+10+10 = 30$		

Programme Specific Objectives

The students will be able to do, on successful completion of programme,

1. To provide students a well-founded education in Economics.
2. To provide and adapt curricula that prepares our graduates for employment.
3. To provide students with the opportunity to focus on applied and policy issues in Economics.
4. The ability to analyze historical and current events from an economic perspective.
5. Students will be able to demonstrate an ability to identify alternative solutions to problems.

Programme Specific Outcomes (PSO)

PSO1: Develop an ability to suggest solutions for various economic problems.

PSO2: Identify, evaluate, analyze, interpret and apply information to address problems and make reasoned decisions in an economics context

PSO3: Recognize the need to adapt economic practices to the opportunities and challenges of an evolving global economical environment

PSO4: Choose appropriate models and mathematical techniques to propose solutions to economic problems.

PSO5: Identify and appraise various channels through which economic policy decisions impact society and advancement of communities.

Programme Code:	M.A.	Programme Title:	Economics	
Course Code:	19P3EC01	Course Title:	Batch:	2019
Total Hours:	90	Advanced Micro Economics - I	Semester:	I
			Credits:	5.0

Course Objective

The course aims

- To provide for a theoretical background of the study of micro economics theory of value & Distribution to the students at post graduate level.
- To illustrate the advancements in the study of value & distribution corresponding to the taken place in the field of Economics.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

Knowledge Level	CO Number	Course Outcome
K1	CO1	Understand the Law of demand and Consumer surplus.
K2	CO2	Analyse the recent developments in the theory of demand.
K3	CO3	Illustrate the theory of production.
K4	CO4	Understand the Cost and Revenue analysis.

SYLLABUS

Unit	Content	No. of Hours
I	Theory of Demand: Cardinal Utility Theory – Ordinal utility Theory – Revealed preference Theory – Market Demand – Determinants of Market demand function – Elasticity of Demand – Applications of Indifference Curve Analysis – Engle curve Analysis – Engle curve and Income elasticity of demand – Statistical Demand Curve – Demand revenue relationships-Consumer's Surplus	18
II	Recent Developments in the theory of Demand: Revision of Demand Theorem – Linear Expenditure system – Constant Elasticity Demand function – Dynamic Demand function – Lag models – Probabilistic Theory of Demand Neumann – Morgenstern, Friedman – Savage Hypothesis- <i>Game theory</i> .*	18
III	Theory of Production : Production function for single product – laws of production – Technological progress and production function – Equilibrium of firm – Isoquants – Expansion path – Optimal Combination of factors of production – Derivation of cost functions from production function – Production Possibility curve-Economies and Diseconomies of scale	18
IV	Cost Functions: Traditional Theory of Costs – Modern Theory of costs - Engineering cost Curve- Empirical Cost curves – Derivation of supply function from cost function – Cost Elasticity – Relevance of cost curves in production decisions.	18
V	Theory of firm : Equilibrium of the firm and Industry – Perfect Competition –	18

1. www.ebooks-for-all.com/Microeconomics/Economics/Microeconomics/price-determination.html	Monopoly Equilibrium of the monopolist – Bilateral monopoly - Price determination – Effects of monopolistic competition – Product differentiation – equilibrium under monopolistic market – analysis on selling cost.
2. https://www.edx.org/course/microeconomics	Mapping with Programme Specific Outcomes.

<*- Self Study >

CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S	H	M	H	M
CO2	S	H	H	M	S
CO3	H	M	M	H	S
CO4	H	M	S	M	H

S - Strong; H - High; M - Medium; L - Low

Programme Code:	M.A.	Programme Title:	Economics	
Course Code:	19P3EC02	Course Title:	Batch:	2019
Total Hours:	90	Indian Economic Development and Policy	Semester:	I
			Credits:	4.0

Course Objective

The course aims

- To help the students to acquire a broad view as to how policies facilitate the economic growth and development in India.
- To enhance students about basic economic policies and development.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

Knowledge Level	CO Number	Course Outcome
K1	CO1	Know about the nature of “Indian Economy” and determinants of Developments.

K2	CO2	Analyse deeply about the issues of Indian economy.
K3	CO3	Understand the Agriculture, Industrial problems and Government policies.
K4	CO4	Know the Indian economic development after globalization.

K1 - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** – Evaluate

SYLLABUS		
Unit	Content	No. of Hours
I	Economic Development: Major issues of development – Determinants - Basic characteristics of underdeveloped economy – Low level equilibrium trap – Lewis model – Financial dualism – Theory of demographic transition – Population and economic development.	18
II	Agriculture and Economic Development: Bio-technology and agriculture – Market oriented food policy – Subsidy and agriculture – Terms of trade and price policy – GATT treaty and farm sector.	18
III	Industrialization and Economic development: Rationale of public sector enterprise in India – performance – Privatization of the economy – Multinational corporations – Industrial sickness and BIFR – Industrial Policy 1991.	18
IV	Parallel economy – causes and effects – Govt. measures – Large Industrial Houses and concentration of economics power – Technology and economic development – India a high cost economy* – Globalization and Indian Economy.	18
V	Financial System - Capital market – stock exchange and SEBI – FDI and FII – Flight of capital – Hawala – New Economic Policy : First and second Generation Reforms.	18

<*- Self Study>

Text Book:

1. Indian Economy – I.C Dinghra.

Reference Books:

1. Economics of development and planning – M.L. Jhingan.
2. Indian Economy – R. Dalt & K.P.M. Sundaram.
3. Indian Economy – Mishra & Puri.
4. Economics of Development and Planning – R.K. Lakhi.

E-references:

1. <https://www.toppr.com>business-studies>
2. <https://IMS.indianeconomy.net>glossary>

Mapping with Programme Specific Outcomes

CO	PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1		S	S	S	H	S
CO2		H	S	H	M	S
CO3		H	S	S	H	H

CO4	S	H	M	H	H
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S - Strong; **H** - High; **M** - Medium; **L** – Low

Programme Code:	M.A.	Programme Title:	Economics	
Course Code:	19P3EC03	Course Title:	Batch:	2019
Total Hours:	90	Mathematical Techniques in Economics	Semester:	I
			Credits:	4.0

Course Objective

The course aims

- To train the students to use the techniques of mathematical analysis, which are commonly applied to understand and analyze economic problems.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

Knowledge Level	CO Number	Course Outcome
K1	CO1	Knowledge and understanding of the mathematical concepts and methods used by professional economists.

K2	CO2	Interpretation of various techniques of derivatives and their applications.
K3	CO3	The ability to differentiate and integrate function.
K4	CO4	The ability to present mathematical concepts, statements, and arguments clearly.

SYLLABUS		
Unit	Content	No. of Hours
I	Basics of Mathematical Economics and Derivatives: Theory of Indices-Functions and their Graphical Representations-Solution to Simple and Simultaneous Equation Systems-Differential Calculus: Rules of Differentiation-Derivatives of Higher Order-Demand Function-Elasticity of Demand.	18
II	Partial Derivatives: Techniques of Partial Differentiation-Partial Derivatives of Second Order-Cross Partial Derivative-Application of Partial Derivatives in Demand Analysis- Partial Elasticities- Marginal Cost and Revenue Functions-Utility Function.	18
III	Integration: Concept of Integration; Some Simple Rules of Integration-Definite Integration-Applications to Consumer's Surplus and Producer's Surplus.	18
IV	Linear Programming: Linear Programming – Basic Concepts, Formulation of a Linear Programming Problem; Its Structure-Variables-Feasible, Basic and Optional Solutions-Graphical and Simplex Method of Solving a Linear Programming Problem.	18
V	Matrix and Determinants: Matrix-Types of matrix, Determinants and their Basic Properties-transpose of a matrix and inverse of matrix-Solution of Simultaneous Equations through Cramer's Rule	18

Text Book:

1. Mathematics for Economists-Mehta B.C and Madnani G.M.K, Sultan Chand & Sons.

Reference Books:

1. Fundamental Methods of Mathematical Economics-Alpha C.Chiang.
2. Mathematical Analysis for Economists-Allen R.G.D.
3. Mathematical and Statistics for Economists, Monga. G.S, Vikas Publishing House, New Delhi.

E-references:

1. statmath.wu.ac.at/courses/mvw_math2/
2. dcm.ffclrp.usp.br/~jair/listas/Convexidade-pag50.pdf

Mapping with Programme Specific Outcomes

CO	PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1		S	H	H	M	H
CO2		H	S	M	H	S
CO3		S	H	H	M	H
CO4		H	S	H	S	M

S - Strong; H - High; M - Medium; L - Low

Theory and Problem (60 Marks)

Unit	Section A - Objective (10 x 1 = 10)										Section B (5 x 4 = 20) Theory (3) & Problem (2)										Section C (3 x 10 = 30) Theory (3) & Problem (2)												
	1	2	3	4	5	6	7	8	9	10	11		12		13		14		15		16	17	18	19	20								
	a		b		a		b		a		b		a		b		a		b														
I	Two questions from each unit										T	P													P								
II													P	P																P			
III															P	P															P		
IV																				P	P											P/T	
V																											T	P					

Programme Code:	M.A.	Programme Title:	Economics	
Course Code:	19P3EC04	Course Title:	Batch:	2019
Total Hours:	90	Economics of Growth and Development	Semester:	I
			Credits:	4.0

Course Objective

The course aims

- To provide basic knowledge about theories and basic issues related to economic development in India.
- To enable the students to understand the important growth models and helps them to familiarize with factors that contribute to economic growth and develop a critical study on recent development in the Indian Economy in the context of the world economic scenario.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

Knowledge Level	CO Number	Course Outcome
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K1	CO1	Motivate the students to know about Economics of Growth and Development.
K2	CO2	Make the students to understand and analyze the concepts, Theory, Factor, obstacles and Sustainable Development.
K3	CO3	Provide an illustration of growth models.
K4	CO4	Develop knowledge regarding trade and development and to provide the awareness (theory & model) of international trade.
K5	CO5	Engage effectively plan models in India level of growth and development of the economy of the country and to implementation of economic reforms (or) frame planning policies.

K1 - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** – Evaluate

SYLLABUS		
Unit	Content	No. of Hours
I	Economic Growth and Development: Economic Growth- Measurement of Development: Conventional, HDI and Physical Quality of life Indies (PQLI) – Factors Determining Economic Development – Obstacles of Economic Development: Vicious Circle of Poverty-Economic Development and Sustainable Development.	18
II	Theories of Economic Development: Classical theory–Contributions of Adams Smith, Ricardo, Malthus and James Mill-Karl Marx and Development of Capitalist Economy-Schumpeter-Neo Classical Theory -Rostow’s Stages of Economic Growth.	18
III	Growth Models: Harrod and Domar: Instability of equilibrium-Neo Classical Growth Models: Solow and Meade-Growth Models of Joan Robinson-Kaldor.	18
IV	Trade and Development: Importance of International Trade-Two-Gap Model and Cost-Benefits of Foreign Trade -Note on Prebisch, Singer and Myrdal Views-Gain from Trade and LDCs.	18
V	Economic Planning: Plan models in India- Mahalanobis Strategy- New Development Strategy-Critical Appraisal-Implementation of Economic Reforms: Fiscal Reforms-Financial Sector Reforms- Infrastructure Sector Reforms* .	18

<* - Self Study>

Text Books:

1. M.L.Jhingan “The Economics of Development and Planning”, Vrinda Publications (P) Ltd.
2. R.K.lekhi “The Economics of Development and Planning”, Kalyani publishers.
3. S.K.Misra and V.K.Puri “Economics of development and planning” (theory and practice) Himalaya publishing house.

Reference Books:

1. Debraj Ray “Development Economics,” Oxford University Press.
2. Jaydeb Sarkhel “Growth Economics,” Book Syndicate (P) Ltd.
3. Michael P. Todaro and Stephen C. Smith “Economic Development,” Pearson Addison Wesley.
4. Ragnar Nurkse, problem of capital formation in under development countries (Delhi: oxford university press), p88.
5. Evsey D.Domar, Essays in the Theory of Economic Growth (New York: oxford university press),

E-references:

1. www.india.gov.in
2. <https://onlinecourses.nptel.ac.in/.non>
3. <https://bookboon.com/en/economics-ebooks>
4. <https://www.springer.com/in/book>
5. <https://www.pdfdrive.com/economic-growth-and-development-books.html>

Mapping with Programme Specific Outcomes

CO	PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1		H	S	M	H	S
CO2		S	H	H	H	S
CO3		H	S	H	M	H
CO4		S	S	H	H	H
CO5		H	M	S	M	S

S - Strong; H - High; M - Medium; L - Low

Programme Code:	M.A.	Programme Title:	Economics	
Course Code:	19P3EC05	Course Title:	Batch:	2019
Total Hours:	90	Demography	Semester:	I
			Credits:	4.0

Course Objective**The course aims**

- To enrich the knowledge of students about theories of population and population policies of India.
- To make the students in aware of the importance of population with the sources of information available for demographic analysis and research.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

Knowledge Level	CO Number	Course Outcome
K1	CO1	Differentiate the demographic concepts, terminology, theories and

		formulas.
K2	CO2	Understanding the various theories of population.
K3	CO3	Analyzing population structure and composition.
K4	CO4	Analyzing the sources of demography data.

SYLLABUS		
Unit	Content	No. of Hours
I	Demography: Concepts of Demography- Vital rates, Life tables, Composition and uses, Measurement of Fertility - Total fertility rate, Gross and Net Reproduction Rate - Age Pyramids, Population Projection and Population Dynamics of India.	18
II	Theories of population: Malthusian theory of population – Optimum theory of population- Biological theory of population – Social and Economic theory of population – Dunont’s theory – Karl Mars Surplus Theory – Leibenstein’s Motivational Theory – Theory of Demographic Transition – Limitations.	18
III	Population structure and composition: Size and growth of population – Age and Sex composition of population – Density of population- Migration and Urbanization – Mortality – Life expectancy rate and measurements – Literacy rate by population and occupational structure – poverty and population in India.	18
IV	Demographic data and sources: Census studies in India – Methodology and characteristics of population census – Features of population – census of India 1971,1981,1991,2001 and 2011 – <i>National Family Health Service Reports*</i> – Regional variations in population growth in India.	18
V	Population policies of India: Trends in world population viz –a viz India – population policies of India – Family planning – Reproductive Health Maternal Nutrition and Child Health Policies- Population Problems in India – Role of National Population Commission in India.	18

<* - *Self Study*>

Text Books:

1. M.L.Jhingan B.K. Bhatt and J.Resai, Demography, Vrinda Publications (Pvt) Ltd Delhi – 91.
2. Agarwala S.N. (1972) India’s Population Problem, TATA, Mcgraw Hill Co... Bombay.

Reference Books:

1. Boque. O.J (1971) Principles of Demography John Wiley, New York.
2. Bose, A (1996) India’s Basic Demographic Statistics; B.R. Publications Corporation, New Delhi.
3. Choubey, P.K. (2000), Population policy in India, Kanishka Publications, New Delhi.
4. Registrar General of india, Census of india 2011.
5. National population policy Statement 2001.

E-references:

1. <https://www.demogr.mpg.de>
2. <https://www.intelligenteconomist.com>
3. www.sociologydiscussion.com

Mapping with Programme Specific Outcomes

CO	PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1		S	S	S	H	H
CO2		H	S	M	S	H
CO3		H	M	S	S	S
CO4		S	S	M	H	S

S - Strong; H - High; M - Medium; L - Low

Programme Code:	M.A.	Programme Title:	Economics	
Course Code:	19P3EC06	Course Title:	Batch:	2019
Total Hours:	90	Advanced Micro Economics - II	Semester:	II
			Credits:	5.0

Course Objective

The course aims

- To facilitate the students at Post Graduate level to understand the recent advancements in the theories of value and Distribution and their likely impact on Decision Process.
- To provide for a comprehensive analytical frame work that are advanced in Economic literature.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

Knowledge Level	CO Number	Course Outcome
K1	CO1	Understand the causes and consequences of different market structures.

K2	CO2	Identify and explain the recent developments in the theory of demand.
K3	CO3	Gain knowledge on General Equilibrium Theory.
K4	CO4	Develop the value of welfare economics.

K1 - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** – Evaluate

SYLLABUS		
Unit	Content	No. of Hours
I	Oligopoly: Pricing under oligopoly – Non –collusive models – Cournot – Bertrand – Chamberlin – Stackleberg – The kinked demand curve model – Collusive Models: Cartels – Price leadership – Barometric price leadership.	18
II	Recent Development in theories of firm – Average Cost Pricing model – Mark – up rule – Bain’s limit pricing – Baumol’s sales maximization model – Marris’s model – Williamson model and the model of Cyert and March.	18
III	Factor Pricing: Factor pricing under perfectly competitive market situations – Factor pricing under imperfect competition – Elasticity of factor substitution – Technological progress and income distribution – Adding – up problem; Euler’s product Exhaustion theorem – Clark – Wicksteed – Walras Product Exhaustion theorem- Break even analysis* .	18
IV	General Equilibrium Theory: Interdependence in the economy – The Walrasian system – Graphical treatment Of Two sector: two commodity, two consumer, model – Equilibrium of production – equilibrium of consumption Simultaneous equilibrium of production and consumption – General equilibrium and resource allocation.	18
V	Welfare Economics: Criteria of Social Welfare – GNP – Bentham and – Cardinalist criteria – Pareto Optimality rule – Kaldor – Hicks compensation criterion – Bergson’s Social Welfare function – Maximization of social welfare – derivation of Grand utility Frontier Line – Welfare maximization and perfect competition.	18

<* - Self Study>

Text Books:

1. Modern Micro Economics: A.Koutsoyiannis.
2. Economic Theory and Operations Analysis: W.J.Baumol.

Reference Books:

1. Price theory by Bilas.
2. Micro Economic Theory: A Mathematical Approach Henderson and Quant.
3. Micro Economic Theory: Ferguson and Gould.

E-references:

1. www.ebooks-for-all.com/.../Microeconomics/...Economics...Microeconomics/.../all_items.html
2. <https://www.edx.org/course/microeconomics>

Mapping with Programme Specific Outcomes

PSO	PSO1	PSO2	PSO3	PSO4	PSO5
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CO					
CO1	S	S	H	M	M
CO2	H	S	M	S	H
CO3	S	H	H	M	S
CO4	M	S	H	S	H

S - Strong; H - High; M - Medium; L - Low

Programme Code:	M.A.	Programme Title:	Economics	
Course Code:	19P3EC07	Course Title:	Batch:	2019
Total Hours:	90	Econometrics	Semester:	II
			Credits:	4.0

Course Objective

The course aims

- To provide an understanding of the basic concepts and methods of econometrics.
- To provide the students with the theoretical and practical necessary to do applied econometric research.
- To provide a solid grand to empirical research using econometric techniques.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

Knowledge	CO	Course Outcome
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Level	Number	
K1	CO1	Understand a broad knowledge of regression analysis relevant for analysing economic data.
K2	CO2	Provide students with a thorough coverage of modern econometrics, such that they can potentially develop substantive new empirical findings and theoretical results.
K3	CO3	Introduce students to the econometric theory and its application in order to equip them with the basic knowledge required for performing quantitative analyses of economic models.
K4	CO4	The students can apply advanced econometric techniques for analyzing current research topics in applied economic research.

K1 - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** – Evaluate

SYLLABUS		
Unit	Content	No. of Hours
I	Nature and Scope of Econometrics – Methodology of Econometric Research – Types of Econometrics - Simple Linear Regression Model – Estimation of simple regression through OLS method – Assumptions of linear stochastic regression model – least squares estimators –BLUE.	18
II	Multiple Regression: Model with two explanatory variables – properties of Least – Square Estimators – the Gauss Markov Theorem - Coefficient of determination r^2 – Extension of Linear Regression model to non linear relationships – applications.	18
III	Regression and analysis of variance – Comparison of regression analysis and analysis of variance – Test of equality between coefficient obtained from different samples (The Chow Test) applications.	18
IV	Violation of Assumptions: Problems of single equation model: Homoscedasticity – Heteroscedasticity – Autocorrelation – sources of autocorrelation– Consequences of autocorrelation – Durbin – Watson Test – Solutions – applications.	18
V	Multicollinearity: Meaning – consequences – Methods of estimation of multicollinearity – solution for multicollinearity – dummy variables – estimation from grouped data and applications – concept of simultaneous equations – Computer Applications in econometrics* .	18

<* - Self Study>

Text Books:

1. Koutsoyiannis, A., Theory of Econometrics, The Macmillan Press Ltd.
2. Damodar N Gujarati and Sangeetha, Basic Econometrics, Tata McGraw-Hill.

Reference Books:

1. Econometric methods – J.Johnston.
2. Econometrics – Wonnacot, R.J.and Wonnacot T.
3. Maddala, G.S and Kajal Lahiri, Introduction to Econometrics, 4th edition, Wiley publication.
4. Jan Kmenta, Elements of Econometrics, Indian Reprint, Khosla Publishing House.
5. Greene, W.H.: Econometric Analysis, Prentice Hall.

E-reference:

1. <https://swayam.gov.in/courses/5201-econometrics-analysis>.

Mapping with Programme Specific Outcomes

CO	PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1		S	H	M	S	M
CO2		H	S	M	H	S
CO3		M	H	S	H	S
CO4		H	M	S	M	H

S - Strong; H - High; M - Medium; L - Low

Theory and Problem (60 Marks)

Unit	Section A - Objective (10 x 1= 10)										Section B (5 x 4 = 20) Theory (5) & Problem (5)										Section C (3 x 10 = 30) Theory (2) & Problem (3)													
	1	2	3	4	5	6	7	8	9	10	11		12		13		14		15		16	17	18	19	20									
											a	b	a	b	a	b	a	b	a	b														
I	Two questions from each unit										T	P										T/P												
II													T	P																	T/P			
III															T	P																T/P		
IV																					T	P											T/P	
V																											T	P						T/P

Programme Code:	M.A.	Programme Title:	Economics	
Course Code:	19P3EC08	Course Title:	Batch:	2019
Total Hours:	90	Research Methodology & Statistical Methods	Semester:	II
			Credits:	4.0

Course Objective

The course aims

- Upon completion of this course, students should have developed an understanding of the research process, its applications in the economic research and its utilizations in the problem solving in economic research.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

Knowledge	CO	Course Outcome
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Level	Number	
K1	CO1	Gain knowledge on formulation of research problem.
K2	CO2	Examining the Central tendency, Dispersion and Probability.
K3	CO3	Organize and conduct research in a more appropriate manner.
K4	CO4	The ability to compile the research report.

K1 - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** – Evaluate

SYLLABUS		
Unit	Content	No. of Hours
I	Meaning of Research – Types-Objectives of Research-Research Process – Formulating the Research Problem – Formulation of Hypothesis – Research Design-Features-Important concepts relating to Research Design-Different Research Designs.	18
II	Sources of Data: Primary and Secondary Sources – Methods of Data Collection: Census and Sample survey – Data Collection Instruments: Observation, Interview, Schedules and Questionnaires – Sampling Design: Probability and non – probability Sampling Methods, Secondary Data Sources in India* .	18
III	Analysis of Data: Measures of Central Tendency: Mean Median and Mode – Measures of Dispersion: Range, Mean deviation, Standard Deviation, Variance, Coefficient of Variation (simple problems)	18
IV	Elementary Theory of Probability: Probability Distribution and Their Properties: Binomial, Poisson and Normal Distributions. Testing of Hypothesis: Parametric and Non – Parametric Tests – Standard Test of Hypothesis: Z test, t test, F test and ANOVA, Chi square test (simple problems)	18
V	Interpretation-Techniques of interpretation-Report Writing-Steps in writing reports– Layout of Research Report –Mechanism of writing research report-Footnotes and Bibliography.	18

<* - Self Study>

Text Books:

1. Research Methodology, Methods and Techniques - C.R.Kothari.
2. Statistical Methods-S.P.Gupta.
3. R.S.N. Pillai & Mrs. Bagavathi - Statistics S. Chand & Company Ltd., New Delhi 1997.

Reference Books:

1. A.N.Sadhu Research Methodology and Social sciences – Himalaya Amarjit Singh Publishing House.1996.
2. Methodology of Research in Social Sciences- O.R Krishnaswamy.

E-reference:

1. www.pearsoned.co.uk/bookshop/detail.asp?item=100000000566268

Mapping with Programme Specific Outcomes

CO	PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1		S	S	H	M	S
CO2		H	M	H	S	H
CO3		S	H	M	H	S
CO4		H	S	M	S	H

S - Strong; H - High; M - Medium; L - Low

Theory and Problem (60 Marks)

Unit	Section A - Objective (10 x 1= 10)										Section B (5 x 4 = 20) Theory (3) & Problem (2)										Section C (3 x 10 = 30) Theory (3) & Problem (2)																
	1	2	3	4	5	6	7	8	9	10	11		12		13		14		15		16	17	18	19	20												
											a	b	a	b	a	b	a	b	a	b																	
I	Two questions from each unit										T	T											T														
II																						T	T									T					
III																								P	P									P			
IV																										P	P								P		
V																													T	T							T

Programme Code:	M.A.	Programme Title:	Economics	
Course Code:	19P3EC09	Course Title:	Batch:	2019
Total Hours:	90	Agricultural Economics	Semester:	II
			Credits:	4.0

Course Objective

The course aims

- To analyse the scope and significance of agricultural economics and inculcates the knowledge of agricultural productivity and to provide a detailed treatment of issues in agricultural economics to those intending to specialize in this area. Its objective is to familiarize students with policy issues that are relevant to Indian agricultural economics and enable them to analyze the issues, using basic micro - economic concepts.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

Knowledge Level	CO Number	Course Outcome
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K1	CO1	Gain knowledge about the nature and scope of agricultural economics.
K2	CO2	Analysis of production function in agriculture and productivity.
K3	CO3	Impart knowledge on the part of agriculture marketing.
K4	CO4	Examine the role of capital and rural credit.

K1 - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** – Evaluate

SYLLABUS		
Unit	Content	No. of Hours
I	Agriculture and Economic Development Nature and scope of agricultural economics; Traditional agriculture and its modernization; Role of agriculture in economic development; Interdependence between agriculture and industry. Models of interaction between agriculture and the rest of the economy; Agricultural development, poverty and environment.	18
II	Land Reforms and Land Policy Principles of land utilization - Land distribution - Structure and trends - Land values and rent - Land tenures and farming systems - Peasant, capitalist, collective and state farming - Tenancy and crop Sharing - Forms, incidence and effects - Land reform measures and performance.	18
III	Agricultural Production and Productivity Resource use and efficiency; Production function analyses in agriculture - Factor combination and resource substitution - Cost and supply curves - Size of farm and laws of returns - Farm budgeting and cost concepts - Supply response of individual crops and aggregate supply	18
IV	Agricultural Prices Agricultural markets and marketing efficiency - Marketing functions and costs - Market structure and imperfections - Regulated markets - Marketed and marketable surplus - Behaviour of agricultural prices - Warehousing - Prices - Taxation and crop insurance - Terms of trade between agricultural and non-agricultural prices - Need for state intervention - Objectives of agricultural price policy - Instruments and evaluation - Food security in India and public distribution system* .	18
V	Agricultural Finance Role of capital and rural credit - Organized and unorganized capital market - Rural savings and capital formation - Characteristics and sources of rural credit - Institutional and non-institutional - Reorganization of rural credit - cooperatives, commercial banks, regional rural banks - Role of NABARD.	18

<* - **Self Study**>

Text Book:

1. Fundamentals of Agricultural Economics Sadhu and Singh.

Reference Books:

1. Bardhan.P. (1984) Land, Labour and Rural Poverty, Oxford University Press, New Delhi.
2. Chadha, G.K. and A.N. Sharma (1997) Growth, Employment and Poverty: Change and Continuity in Rural India, Vikas Publishing, New Delhi.
3. Bhardwaj, K. (1974) Production Conditions in Indian Agriculture, Cambridge University Press, Cambridge.
4. Appu. P.S. (1996) Land Reforms in India, Vikas, New Delhi.
5. Kaur. R. (1975) Agricultural Price Policy in Economic Development, Kalyani Publishers, Delhi.

6. Reserve Bank of India (2009), Report of the Agricultural Credit Review Committee, Reserve Bank of India, Bombay.
7. Raj. K.N. et.al. (1988), Essays in the Commercialisation of Indian Agriculture. Oxford University Press, New Delhi.
8. Vaidyanathan, A (2005) The Indian Economy — Crisis, Response and Prospects, Orient Longmans, New Delhi.
9. Subbarao, K and De Janvry (1998) Agricultural Price Policy and Income Distribution in India, Oxford University Press, New Delhi.

E-references:

1. <https://agri-insurance.gov.in/login>
2. <https://ag4impact.org/sid/agricultural>

Mapping with Programme Specific Outcomes

CO	PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1		H	S	H	S	S
CO2		H	S	S	H	M
CO3		H	S	H	S	H
CO4		M	S	H	S	H

S - Strong; H - High; M - Medium; L - Low

Programme Code:	M.A.	Programme Title:	Economics	
Course Code:	19P3EC10	Course Title:	Batch:	2019
Total Hours:	90	Gender and Development	Semester:	II
			Credits:	4.0

Course Objective

The course aims

- To help the students to explore the importance of Gender equality in sustainable Human Development. It examines the changing role of women and calls for a new approach to women Empowerment in India.
- To enhance students about contemporary debates in the study of Gender and Development.

Course Outcomes (CO)

On the successful completion of the course, students will be able to

Knowledge	CO	Course Outcome
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Level	Number	
K1	CO1	Gain knowledge about the importance of “Gender and Development”.
K2	CO2	Analyse the demographic characteristics of a given population.
K3	CO3	Realise the causes and consequences of women labour market.
K4	CO4	Understand the vital role of policies and programmes for women Empowerment.

K1 - Remember; K2 - Understanding; K3 - Apply; K4 - Analyze; K5 – Evaluate

SYLLABUS		
Unit	Content	No. of Hours
I	Gender And Society: Concept-Gender Gap-Construction Of Gender Gab Index-World Statistics On Gender Gab-Gender Gab Index Vs Gender Development Index-Gender Equation Index-Gender And Caste-Gender And Religion-Gender And Violence-Gender And Culture-Gender Issues And Human Rights Violations-Contemporary Concerns On Gender Issues.	18
II	Gender And Development: Gender Demography In India-Population Structure And Growth-Status Of Women In India-International Comparisons-Age Structure-Sex Ratio-Mortality-Life Expectancy-Child Labour –Trends-Theory Of Morality- Life Table-Birth Control-Gender Discrimination-Gender Exploitation-Emerging Issues.	18
III	Women In Decision Making: Women In Population-Women And Society-Women Health-Women And Education-Women In Migration-Women And Governace-Women Violence-Women In Decision Making-Women Access To Decision Making In Property Rights-Control Of Economic Resources-Assets-House Hold Decision Making-Class And Community Participation-Employment-Health Care-Education And Kinship Relationships.	18
IV	Women And Labour Market: Role Of Women In Labour Market-Supply And Demand For Female Labour In India-Female Labour Force Participation In Agriculture-Industries, Services And Non-Farm Activities-Organised And Unorganized Sectors-Wage Differentials In Female Work-Determinants-Wage Structure Of Women Across Regions-Women’s Role In Unpaid Jobs.	18
V	Gender Development Planning And Policies In India: Gender Development Policies In India-UNDP Millennium Development Goals-World Experiences On Women And Development-Women Empowerment Programmes And Policies-Women Empowerment Index, <i>Measurement And Policy Reforms And Its Implications*</i> .	18

<* - Self Study>

Text Books:

1. Chant, Sylvia, Special Issues on Gender Development- Third World Planning Review 1995.
2. Desai’s Gender Inequality and Demography Behaviour, India, NewYork 1994.

Reference Books:

1. Indian Women Status, Role & Empowerment – S.K.Ravikumar
2. Women Workforce in India _ Madhuri Nath
3. Status of Women in India _ Seema Bhattacharya
4. Human Rights Education _ A.Selvan

E-references:

1. <https://www.weforum.org/reports/the-global-gender-gap-report-2018>
2. https://www.researchgate.net/publication/267863648_Morbidity_in_India
3. <https://www.rediff.com/news/report/rediff-labs-participation-of-women-in-decision-making-roles-in-india/20151209.htm>
4. <https://swarajyamag.com/commentary/women-in-unorganized-sector>
5. http://shodhganga.inflibnet.ac.in/bitstream/10603/9845/16/16_chapter%206.pdf

Mapping with Programme Specific Outcomes

CO	PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1		H	S	S	H	S
CO2		H	S	H	H	S
CO3		S	H	S	S	H
CO4		H	H	S	H	H

S - Strong; H - High; M - Medium; L - Low

Question Paper Pattern - P.G. Courses

(Common for Major and Supportive Papers)

For EOS Examinations: 60 Marks

The Question Paper is to be divided into THREE Sections.

Section-A Carries 10 Marks, Section-B Carries 20 Marks and Section-C Carries 30 Marks.

Section-A Contains 10 Multiple Choice Questions. (10 x 1 = 10)

Two Questions from each unit. (Q. No: 1 to 10)

Section-B Contains 5 Either or Choice Questions. (5 x 4 = 20)

Each Question carries 4 Marks. Both (a) and (b) from the same unit.

Q. No.: 11 (a) or (b) to 15(a) or (b)

Section-C Contains 5 Questions, out of which 3 Questions are to be answered. (3 x 10 = 30)

Each Question carries 10 Marks. One Question from each unit. Q. No.: 16 to 20

For CIA Examinations: 40 Marks

CIA Test I and II Question Paper Pattern: (30 Marks)

Section-A: 10 Multiple Choice Questions. (10 x 1 = 10)

Section-B: Two Questions out of Three. (2 x 5 = 10)

Section-C: One Question out of Two. (1 x 10 = 10)

Components of Continuous Internal Assessment (CIA)

Components		Calculation	CIA Total
Test 1 & Test 2	30	$30 + 40 + 30 = \frac{100 \times 40}{100} = 40$	40
Test 3 (Model Exam)	40		
Assignment + Seminar + Quiz / GD / Poster Presentation / Book Review / Field Visit Report	$10+10+10 = 30$		