

**Siddharth University, Kapilvastu, Siddharth
Nagar, Uttar Pradesh- 272202**



DEPARTMENT OF ECONOMICS

Syllabus

[In Accordance to the National Education Policy 2020]
(Applicable from Academic Session- 2022-23)

**M.A. (Economics) First Year
SEMESTER- I**

Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECC401	05/100	Micro Economic Analysis	Core Paper- I
MECC402	05/100	Public Finance	Core Paper- II
MECC403	05/100	Indian Economy	Core Paper- III
MECC404	05/100	History of Economic Doctrines	Core Paper- IV
MECE405	04/100	Basic Features of Indian Economy	Minor Elective
MECP406	04	Project	Industrial Training/Internship/Survey/etc.
Total	28/500		

**M.A. (Economics) First Year
SEMESTER- II**

Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECC411	05/100	Macro-Economic Analysis	Core Paper- I
MECC412	05/100	Fiscal Economics and Federal Finance	Core Paper- II
MECC413	05/100	Agricultural Economics	Core Paper- III
MECC414	05/100	Environmental Economics	Core Paper- IV
MECP415	04	Project	Industrial Training/Internship/Survey/etc.
Total	24/500		

**M.A. (Economics) Second Year
SEMESTER- III**

Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECC501	05/100	Monetary Economics	Core Paper- I
MECC502	05/100	International Trade	Core Paper- II
MECE503(A)	05/100	Basic Econometrics	Elective Paper- III (A)
MECE503(B)		Quantitative Techniques	Elective Paper- III (B)
MECE503(C)		Economic Growth	Elective Paper- III (C)
MECE504(A)	05/100	Indian Finance	Elective Paper- IV (A)
MECE504(B)		Statistical Methods	Elective Paper- IV (B)
MECE504(C)		Industrial Economics	Elective Paper- IV (C)
MECP505	04	Project	Industrial Training/Internship/Survey/etc.
Total	24/400		

**M.A. (Economics) Second Year
SEMESTER- IV**

Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECC511	05/100	Monetary Institutions and Policy	Core Paper- I
MECC512	05/100	Modern International Economics	Core Paper- II
MECE513(A)	05/100	Advanced Econometric Methods	Elective Paper- III (A)
MECE513(B)		Demography	Elective Paper- III (B)
MECE513(C)		Modern Growth Theories	Elective Paper- III (C)
MECE514(A)	05/100	Population Problems	Elective Paper- IV (A)
MECE514(B)		Labour Economics	Elective Paper- IV (B)
MECE514(C)		Industrial Relation and Social Security	Elective Paper- IV (C)
MECP515	04	Project	Industrial Training/Internship/Survey/etc.
Total	24/500		

M.A. ECONOMICS			
SEMESTER- I			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECC401	05/25+75	Micro Economic Analysis	Core Paper-I
Total Lectures- 75			
Course Objective:		<ul style="list-style-type: none"> To provide theoretical knowledge about micro economic parameters which are used to analyze the market conditions. Developing the understanding of various approaches towards Welfare Economics. 	
Units	Topic	No. of Lectures	Credit
Unit- I	Consumer Behaviour: Measurement of Utility, Cardinal vs. Ordinal Approaches, Theory of Revealed Preference and logic of Ordering; Strong and weak Ordering, Theory of Demand, Elasticity of Demand.	15	1
Unit- II	Theories of Production and Cost: Production Function, Technological Progress and Production Function, Choice of Optimal Input Combinations. Types of Production Function: Cobb-Douglas, CES Function, Meaning and Types of Cost, Traditional and Modern Theory of Cost, Shapes of Cost Curves, Analysis of Economies of Scale.	15	1
Unit- III	Market Structure and Pricing: Types of Market Situations, Relationship between Perfect and Monopoly Situation, Duopoly Market Situation; Cournot's, Stackelberg, Edgeworth and Bertrand Models, Oligopoly Market; Collusive and Non-Collusive Oligopoly Market Condition, Monopolistic Competition: Characteristics, Price and Non-Price Competition	15	1
Unit- IV	Welfare Economics: Old Welfare Economics: Marshall and Pigou, Pareto and Welfare Economics: Criteria and Optimality, Compensation Principle: Hicks, Kaldor and Scitovsky, Social Welfare Function: Bergson and Samuelson, Arrow on Social Choice and Individual Values.	15	1
Unit- V	Equilibrium Analysis: Types of Equilibrium, Stability of Equilibrium.	15	1
Course Outcome	After studying this paper students will be able to understand: <ul style="list-style-type: none"> Micro economic parameters pertaining to the market structure. Approaches of Welfare Economics. 		
Suggested Readings	<ul style="list-style-type: none"> <i>Gould and Ferguson: Micro Economic Theory</i> <i>A. Koutsoyiannis: Modern Micro economics</i> <i>David Krepps: A course in Micro Economics Theory</i> <i>Andrew. Mas-Colel, Michael Dennis Whinston, Jerry R. Green: Micro Economics</i> <i>Handerson and Quandt: Micro Economic Theory. A mathematical approach</i> <i>Pynddick and Rubinfeld. Micro Economics</i> <i>Misra and Puri: Advanced Microeconomic Theory</i> 		

	<ul style="list-style-type: none">• <i>H.L. Ahuja: Advanced Economic Theory</i>
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M.A. ECONOMICS			
SEMESTER- I			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECC402	05/25+75	Public Finance	Core Paper-II
Total Lectures- 75			
Course Objective:		<ul style="list-style-type: none"> To provide knowledge about role of Government in an economy. 	
Units	Topic	No. of Lectures	Credit
Unit- I	Role of Government in Organised Society, Public Revenue: Principles of taxation, Theories of incidence; Excess burden.	15	1
Unit- II	Effects of taxation, Double taxation, Taxation and Incentives, Theory of Tax Structure change during economic development.	15	1
Unit- III	Public Expenditure: Structure and Growth of Public Expenditure - Wagner's Law of Increasing State Activities, Wiseman-Peacock hypothesis. Public Expenditure in Relation to Economic Activity, Employment and Income Distribution.	15	1
Unit- IV	Public Debt: Nature and Management, Burden of Public debt, Methods of Debt Redemption.	15	1
Unit- V	The Budget, Budget Making and the Budgetary Process, Theory of Optimum Budget. Zero-base Budgeting system; Alternative concepts of deficits and their implications.	15	1
Course Outcome	After studying this paper students will be able to understand: <ul style="list-style-type: none"> The allocation, distribution and welfare objectives of a Government. The tools which are used by the government to achieve stabilization in the economy. 		
Suggested Readings	<ul style="list-style-type: none"> Musgrave, R.A. and P.B. Musgrave, <i>Public Finance in Theory and Practice</i>, McGraw Hill, Kogakusha, Tokyo. Herber, B P., <i>Modern Public Finance</i>, Richard D. Irwin, Homewood. Musgrave, R.A., <i>The Theory of Public Finance. A Study in Public Economy</i>, Tokyo, McGraw Hill Book Co. and Kogakusha Co., (International student Edition) Musgrave, R A., <i>Fiscal Systems</i>. Houghton, R W, <i>Public Finance</i> Cutt, James., <i>Taxation and Economic Development in India</i>, Frederick A Praegar Publishers, New York Gandhi, V.P., <i>Some Aspects of India's Tax Struture</i>, Vora and Company, Bombay. Chellah R.J, <i>Fiscal Policy in Under developed Countries With special reference to India</i>, George Allen and Unwin, London. Allan, Charles M., <i>The Theory of Taxation</i> Prest, Allan R., <i>Public Finance in Theory and Practice</i>. Shoup, C.S., <i>Public Finance</i>, Aldine, Chicago. 		

	<ul style="list-style-type: none">• <i>Buchanan, J., The Public Finance, Richard D Irwin, Homewood.</i>• <i>Head, J.G., Public Goods and Public Policy, Public Finance</i>• <i>Phelps, E.S., Private wants and Public Needs.</i>• <i>Peacock, Alan T., Government Finance and Economic Development,</i>• <i>Cheb, A and G. Hausar, Some Notes on the Lindhal</i>• <i>Hunsen, Leif J., Theory of the Determination</i>• <i>Reports of Finance Commission in India.</i>
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M.A. ECONOMICS				
SEMESTER- I				
Course Code	Credit/Maximum Marks	Name of the Paper	Remark	
MECC403	05/25+75	Indian Economy	Core Paper-III	
Total Lectures- 75				
Course Objective:		<ul style="list-style-type: none"> To develop an insight of sectoral, structural and infrastructural changes in the Indian economy over the period of time. 		
Units	Topic		No. of Lectures	Credit
Unit- I	National Income: Trends, Composition and Structural change, Income Distribution and Income Inequality, Regional Disparities.		15	1
Unit- II	Poverty in India: Absolute and Relative, Analysis of Poverty in India, Unemployment, Interrelation between Population, Development and Environment LabourForce and Occupational Distribution of Population, Population Policy		15	1
Unit- III	Planning in India: Objectives and Strategy of Planning; Achievements of Plans, Plan Models in India.		15	1
Unit- IV	Resource Base and Infrastructure: Energy; Social infrastructure -- Education, Health and Environment, Sustainable Development.		15	1
Unit- V	Agriculture Sector: Role of Agriculture, Interrelationship between Agriculture and Industry, Growth of Indian agriculture. Institutional aspects -- Land reforms, Green Revolution, Technological Change in Agriculture, Agriculture Price Policy of India, Agricultural Finance, Agricultural Marketing.		15	1
Course Outcome	After studying this paper students will be able to understand. <ul style="list-style-type: none"> Indian Economy in detail. 			
Suggested Readings	<ul style="list-style-type: none"> Datt, R. and K.P.M. Sundharam, <i>Indian Economy</i>, S. Chand & Company Ltd., New Delhi. Misra, S.K. and V.K. Puri, <i>Indian Economy -- Its Development Experience</i>, Himalaya Publishing House, Mumbai Kapila, Uma., <i>Indian Economy : Since Independence</i> Agrawal, A.N., <i>Indian Economy</i>, New Edge International Pvt Limited, New Delhi Government of India, <i>Economic Survey (Annual)</i>, Economic Division, Ministry of Finance, New Delhi. Ahluwalia, I.J. and I.M.D. Little (Eds), <i>India's Economic Reforms and Development (Essays in honour of Manmohan Singh)</i>, Oxford University Press, New Delhi Jalan, B, <i>India's Economic Policy -- Preparing for the Twenty-first Century</i>, Viking, New Delhi. Parikh, K.S., <i>India Development Report -- 1999-2000</i>, Oxford University Press, New Delhi. Datt, R. (Ed.), <i>Second Generation Economic Reforms in India</i>, Deep & Deep Publications, New Delhi. 			

	<ul style="list-style-type: none">• <i>Wadhawa, Charan, D., Some Aspects of Indian Economy</i>• <i>Lucas and Papanek, The Indian Economy-Recent Development and Futre Prospects</i>• <i>Uppal, J.S., India's Economic Problems</i>• <i>Agrawal, A.N and S.P.Singh., The Economics of Under Development</i>• <i>Myrdal, Gunnar, Asian Drama (Vols I and II)</i>• <i>Sen, A.K. Choice of Techniques</i>• <i>Hicks, Mukherjee and Ghosh, The Economic Framework of the Indian Economy</i>• <i>Ahluwalia, Ishor, J. Industrial Growth in India</i>• <i>Bhagwati, J.W. and Desai, Padma., India: Planning for Industrialisation</i>• <i>Bagchi, A., The Political Economy of Under Development in India</i>• <i>Dandekar, V.M and N. Rath, Poverty of India</i>• <i>Chakravarty, C., Report of the Reserve Bank of India Committee to Review the working of the Monetary System.</i>
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M.A. ECONOMICS			
SEMESTER- I			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECC404	05/25+75	History of Economic Doctrines	Core Paper-IV
Total Lectures- 75			
Course Objective:			
Units	Topic	No. of Lectures	Credit
Unit- I	Mercantilism, Physiocracy	15	1
Unit- II	Classical Political Economy: Smith, Ricardo, Malthus, Say, Senior and Mill.	15	1
Unit- III	The Socialist Tradition: The Utopians, Sismondi, St. Simon and Karl Marx, The Historical School and Institutionalists.	15	1
Unit- IV	Marginalism: Von Thunen, Jevons, Menger, Weisner, Bohm Bawerk, Gossen and J.B. Clark.	15	1
Unit- V	Neo-classicism (Marshall): General equilibrium, Walras and Pareto.	15	1
Course Outcome			
Suggested Readings	<ul style="list-style-type: none"> • Gide, C and C. Rist, <i>A History of Economic Doctrines</i> • Haney, L.H, <i>History of Economic Thought</i> • Roll, Eric, <i>History of Economic Thought (Eng. & Hindi)</i> • Schumpeter, J.A, <i>Ten Great Economists</i> • Schumpeter, J A, <i>History of Economic Analysis</i> • Gray, Alexander, <i>Development of Economic Doctrines</i> • Backhouse, R., <i>A History of Modern Economic Analysis</i> • Oser, J., <i>The Evolution of Economic Thought</i> • Renia, I., <i>Development of Economic Analysis</i> • Heimann, E, <i>History of Economic Doctrines</i> • Rogin, L, <i>The Meaning and Validity of Economic Theory</i> • Barter, W.J., <i>A History of Economic Thought</i> Blaug, Mark, <i>Economic Theory in Retrospect</i> 		

M.A. ECONOMICS				
SEMESTER- I				
Course Code	Credit/Maximum Marks	Name of the Paper	Remark	
MECE405	04/25+75	Basic Features of Indian Economy	Minor Elective (Paper- V)	
Total Lectures- 60				
Course Objective:		<ul style="list-style-type: none"> To impart the knowledge about general features of Indian Economy. 		
Units	Topic		No. of Lectures	Credit
Unit- I	Structure and Features of Indian Economy, Objectives and Strategy of Planning in India: Planning Commission and NITI Aayog, Strategy of Inclusive Growth, Resource Mobilization for Development, Infrastructural Development.		15	1
Unit- II	Agricultural Sector: Institutional Reforms, Technological Changes in Agriculture, Agricultural Policy.		15	1
Unit- III	Industrial Sector: Industrial Policy, Public Sector Enterprises and their Performance, Privatization and Disinvestment Debate, Small, Medium and Large Scale Industrial Sector.		15	1
Unit- IV	Sectoral Growth Pattern of Uttar Pradesh, Infrastructural and Industrial Growth in Uttar Pradesh.		15	1
Course Outcome	After studying this paper students will be able to understand: <ul style="list-style-type: none"> Features of Indian Economy in a rationale way. 			
Suggested Readings	<ul style="list-style-type: none"> <i>Datt, R. and K.P.M. Sundharam, Indian Economy, S. Chand & Company Ltd., New Delhi</i> <i>Misra, S.K. and V.K. Puri, Indian Economy -- Its Development Experience, Himalaya Publishing House, Mumbai</i> 			

M.A. ECONOMICS			
SEMESTER- I			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECP406	04	Project	Industrial Training/Internship/Survey/etc.
Course Objective:		This paper aims on imparting practical knowledge to the students by the means of providing them industrial training, internship programme, Survey, etc.	
Course Outcome:		After studying this paper students will be able to: <ul style="list-style-type: none"> • Acquire information about various employment opportunities available to them after successful completion of P.G. Programme in Economics. • Surveys will impart research oriented approach in the students. 	

M.A. ECONOMICS			
SEMESTER- II			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECC411	05/25+75	Macro-Economic Analysis	Core Paper-I
Total Lectures- 75			
Course Objective:		<ul style="list-style-type: none"> The course will develop analytical ability of Macroeconomic determinants to understand Investment, Employment, and Inflation etc. 	
Units	Topic	No. of Lectures	Credit
Unit- I	Macro Economics: Meaning and significance, Macroeconomic Development: An Overview, Inflation, Unemployment, output and growth, measures of national income and related concepts, methods of measuring national income. Macroeconomic fluctuations detrending of GDP, characteristics of macroeconomic fluctuations: Persistence and Coherence. Macroeconomic framework: interdependence among different sectors and circular flow of income.	15	1
Unit- II	Theories of Employment: Classical theory of employment as a Barter and Monetary Framework, Neo Classical theory of employment, relevance of classical theory and Keynes criticism. Keynes theory of employment, policies to curtail unemployment in Keynes theory	15	1
Unit- III	Demand for Money: Classical approach to demand for money- Quantity theory approach, fisher's equation, Cambridge quantity theory. Keynes liquidity preference approach, Transaction, Precautionary & Speculative demand for moneyAggregate demand for money. Post Keynesian approaches to demand for money- Patinkin and the Real Balance Effect, Approaches of Baumol and Tobin; Friedman and the modern quantity theory; crisis in Keynesian economics and revival of monetarism	15	1
Unit- IV	Supply of Money: A behavioural model of money supply determination, Demand determined money supply process,	15	1

	High Powered money and money multiplier. RBI approach to money supply, Control of money supply with special reference to India. Impact of foreign capital inflows on money supply and cross sterilization		
Unit- V	Neo-classical and Keynesian Approaches to Macroeconomics: One sector Neo-Classical Model, Simple Keynesian model, Economic implication of these models & essential differences between the two. Two sector IS-LM model: Both Neo-classical & Keynesian versions, Role and relative effectiveness of fiscal and monetary policy, IS-LM model in an open economy, case of small and large economies. Effects of change in monetary and fiscal policy on income and exchange rate. A Comparison of IS-LM model in closed and open economies	15	1
Course Outcome	After studying this paper students will be able to understand <ul style="list-style-type: none"> • Analysis and usage of tools to deal with the macro economic problems. 		
Suggested Readings	<ul style="list-style-type: none"> • <i>Abel and Bernanke: Macroeconomics, Pearson Education.</i> • <i>Blanchard and Johnson, Macroeconomics, Pearson.</i> • <i>David King, An Introduction to National Income Accounting, Edward Arnold.</i> • <i>Dornbusch, Fischer, Startz, Macroeconomics , McGraw-Hill.</i> • <i>G. Ackley, Macroeconomics: Theory and Policy, MacMillan.</i> • <i>N Gregory Mankiw- Macroeconomics, Macmillan Worth Publishers.</i> • <i>Richard T.Froyen, Macroeconomics, Pearson.</i> • <i>Ruggles and Ruggles, National Accounting and Economic Policy, Edward Elgar</i> • <i>SoumenSikdar, Principles of Macroeconomics, OUP</i> 		

M.A. ECONOMICS			
SEMESTER- II			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECC412	05/25+75	Fiscal Economics and Federal Finance	Core Paper-II
Total Lectures- 75			
Course Objective:		The course contains topics pertaining to the various government activities related to the public finance.	
Units	Topic	No. of Lectures	Credit
Unit- I	Concepts of Public Goods, Private Goods and Merit Goods; Causes of Market Failure -- Imperfections, Decreasing costs, Externalities and nature of public goods.	15	1
Unit- II	Theory of Social Goods, Musgrave's Budget Model, Political Process of Voting and the Provision of Public Goods.	15	1
Unit- III	Fiscal Policy: Objectives and Instruments, Compensatory Finance, Functional Finance, Interdependence of fiscal and monetary policies, Fiscal policy for developing economies.	15	1
Unit- IV	Fiscal Federalism: Fiscal federalism in India, Vertical and Horizontal fiscal imbalance, Fiscal Federalism: Principles & Problems, Union- /State Financial Relations in India.	15	1
Unit- V	Reports of Finance Commission in India; Problems of states' resources and indebtedness, Problems of Local Finance	15	1
Course Outcome	After studying this paper students will be able to understand: <ul style="list-style-type: none"> • The objectives and functions of a government in an economy. 		
Suggested Readings	<ul style="list-style-type: none"> • <i>Musgrave, R.A. and P.B. Musgrave, Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.</i> • <i>Herber, B.P., Modern Public Finance, Richard D. Irwin, Homewood.</i> • <i>Musgrave, R.A., The Theory of Public Finance. A Study in Public Economy. Tokyo. McGraw Hill Book Co. and Kogakusha Co., (International student Edition)</i> • <i>Musgrave, R.A., Fiscal Systems.</i> • <i>Houghton, R W, Public Finance</i> • <i>Cutt, James., Taxation and Economic Development in India, Frederick A Praeger Publishers, New York.</i> • <i>Gandhi, V.P., Some Aspects of India's Tax Structure, Vora and Company, Bombay.</i> • <i>Chelliah R J, Fiscal Policy in Under developed Countries . With special reference to India, George Allen and Unwin, London.</i> • <i>Allan, Charles M., The Theory of Taxation</i> 		

	<ul style="list-style-type: none">• <i>Prest, Allan R., Public Finance in Theory and Practice.</i>• <i>Shoup, C.S., Public Finance . Aldine, Chicago.</i>• <i>Buchanan, J., The Public Finance, Richard D. Irwin, Homewood.</i>• <i>Head, J.G., Public Goods and Public Policy, Public Finance</i>• <i>Phelps, E.S., Private wants and Public Needs</i>• <i>Peacock, Alan T., Government Finance and Economic Development,</i>• <i>Cheb, A and G. Hausar, Some Notes on the Lindhal</i>• <i>Hansen, Leif J., Theory of the Determination</i>• <i>Reports of Finance Commission in India.</i>
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M.A. ECONOMICS				
SEMESTER- II				
Course Code	Credit/Maximum Marks	Name of the Paper	Remark	
MECC413	05/25+75	Agricultural Economics	Core Paper-III	
Total Lectures- 75				
Course Objective:		To understand the pattern of agricultural sector development in India		
Units	Topic		No. of Lectures	Credit
Unit- I	Economics of land reforms; Land reforms and economic development; Co-operative and Collective Farming; Technological reforms; Green Revolution, Farm Mechanisation, Irrigation System in India.		15	1
Unit- II	Agricultural Marketing; Types, structure, and functions and problems, cost analysis, Cost-Price structure in agriculture		15	1
Unit- III	Pricing of agriculture products; Price fluctuation of agricultural products, Price stabilization measures; Agricultural price policy in India.		15	1
Unit- IV	Indian Agriculture: Agricultural finance, Land Utilization; New agricultural strategy Cropping Pattern and Crop Insurance.		15	1
Unit- V	Agricultural growth in India: Food Security, Food policy; Public distribution system Agricultural Trade, State Trading in food grains.WTO and Indian agriculture		15	1
Course Outcome		After studying this paper students will be able to understand the various factors associated with the agricultural sector development in India over the period of time.		
Suggested Readings		<ul style="list-style-type: none"> • <i>Khusro, A M., Reading in Agricultural Development</i> • <i>Eicher and Witt, Agricultural and Economics Development</i> • <i>Mellor, J W, The Economics of Agricultural Development</i> • <i>Heady, E.O., Economics of Agricultural Production and Resuorces Use.</i> • <i>Shukla, Tara, Economics and Under-development Agriculture</i> • <i>Shukla, Tara, Capital Formation in Agriculture.</i> • <i>Shephered, G.S., Agricultural Price Analysis</i> • <i>Singh, Baljit, Whether Agriculture in India</i> • <i>Sen, S.R., The Straegy for Agricultural Development</i> • <i>Jain, S.C., Agriculture Policy in India</i> • <i>Dwivedi, R.C., New Strategy of Agricultral Development in India</i> • <i>N.C.A.E.R . A Strategy for Agriculture Planning</i> 		

	<ul style="list-style-type: none">• <i>Planning Commission, Five Year Plans</i>• <i>Planning Commission, Reports of the Committee of the Panel on Land</i>• <i>ReformsU N O , Land Reforms Reports.</i>
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M.A. ECONOMICS			
SEMESTER- II			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECC414	05/25+75	Environmental Economics	Core Paper-IV
Total Lectures- 75			
Course Objective:		Students will come to know about the relevance of environmental economics and how market allocate goods & how sometimes market fail to allocate environmental resources optimally and they will come to know how sustainable development of the economy can be attained.	
Units	Topic	No. of Lectures	Credit
Unit- I	Environmental Economics: Meaning and Scope, Environment and Economy: Neoclassical and Ecological Perspectives, Interlinkages, Material Balance Model, Environment and Development Trade-off.	15	1
Unit- II	Deviation from economic efficiency, Pollution and Externality, Environmental Quality as Public Good, Case of Market failure, optimal level of pollution and Changes.	15	1
Unit- III	Economics of Environmental Regulations: Liability Laws, Allocation of Property Rights, Emission Standards, Pollution Tax and Transferable Pollution Permit.	15	1
Unit- IV	Limits to Growth: Malthusian, Neo-classical and Ecological Economics Perspectives. Sustainable Development: Concept, Rules, Approaches to sustainability and indicators.	15	1
Unit- V	Common Property Resources: Problem and Management.	15	1
Course Outcome	After studying this paper students will be able to understand basic environmental concerns.		
Suggested Readings	<ul style="list-style-type: none"> • Ehrlich, P., A. Ehrlich and J Hilden, <i>Economics, Population, Resources, Environment</i>, W.H Freeman, San Francisco. • Hemple, Lamont C., <i>Environmental Economics. The Global Challenge</i>, First East West Press, Edinburgh. • Ahmad.M.Hussen: <i>Principle of Enviromental Economics</i>. Pouledge & Taylor & Francis Group. • R N Bhattacharya: <i>Environmental Economics, Air India Perspective</i>, oxford university Press. • माया माहेश्वरी पर्यावरणीय अर्थशास्त्र- एक भारतीय परिप्रेक्ष्य, हर आनन्द पब्लिकेशन्स, नई दिल्ली। • Thomas & Callan . <i>Enviromental Economics</i>. • Nick Hanley, F. Shogran & J. Whitel : <i>Enviromental Economics Theory & Practice</i>, Oxford University Press 		

	<ul style="list-style-type: none">• <i>K.V. Pavitran : A Text Book of Enviromental Economics, New Age India Publications.</i>• <i>U. Sarkar . Enviromental Economics (edited)</i>• <i>Erach Bharucha : Enviromental Studies, Orient Lorgman.</i>• <i>Karpagam. M. A Text book of Enviromental Economics, Sterling Publisher Home.</i>• <i>Nahoral Enviroment Policy 2006, CSO, India</i>
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M.A. ECONOMICS			
SEMESTER- II			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECP415	04+04/100 (Sem-I+Sem-II)	Project	Industrial Training/Internship/Survey/etc.
Course Objective:	This paper aims on imparting practical knowledge to the students by the means of providing them industrial training, internship programme, Survey, etc.		
Course Outcome:	After studying this paper students will be able to: <ul style="list-style-type: none"> • Acquire information about various employment opportunities available to them after successful completion of P.G. Programme in Economics. • Surveys will impart research oriented approach in the students. 		

M.A. ECONOMICS**SEMESTER- III**

Course Code	Credit/ Maximum Marks	Name of the Paper	Remark
MECC 501	05/25+75	Monetary Economics	Core Paper-I
Total Lectures- 75			
Course Objective:	The students will come to know the various monetary theories and their implications in the current scenario.		
Units	Topic	No. of Lectures	Credit
Unit- I	Definition of Monetary Economics; Nature and scope of Monetary Economics;significance of Monetary economics; Concept and significance of money andliquidity; Neutrality and non- neutrality of money; Money in closed and openeconomy; Paper currency standard and principles of Note issue; Circular flow ofMoney	15	1
Unit- II	Meaning of demand for money, Classical approach to demand for money; Keynes'approach to demand for money; Post Keynesian approach to demand for money(Friedman, Buamol, Tobin);Keynesianism and Monetarism	15	1
Unit- III	Inflation-causes, types, effects and control Classical, Keynesian and Monetaristapproach to inflation; Structural theory of inflation; Open and suppressed Inflation,demand pull and cost push inflation; wicksell's theory of Price fluctuations, Philipscurve analysis; Samuelson and Solow's contribution- the natural rate of unemployment hypothesis; Tobin's modified Philips curve; Adaptive expectationsand rational expectations;	15	1

	Deflation-causes ;types and control, Stagflation and Policies to control stagflation.		
Unit-IV	Quantity Theory of Money, Liquidity Theory of Money, Patinkin's Real Balance Effect.	15	1
Unit-V	Measurement of value of money, Monetary Theories of Business cycle, Theories of Interest rate determination	15	1
Course Outcome	After studying this paper students will be able to practically analyze recent monetary situations with the help of the theoretical knowledge imparted during the study of course.		
Suggested Readings	<ul style="list-style-type: none"> • <i>Keynes, J.M., Treatise on Money.</i> • <i>Keynes, J.M., The General Theory of Employment Interest and Money</i> • <i>Halm, G.N, Monetary Theory ,</i> • <i>Kurihara, K., Monetary Theory and Public Policy,</i> • <i>Hansen, B., A Study in the Theory of Inflation, ,</i> • <i>Dillard, D.H., The Economics of J.M. Keynes</i> • <i>Gupta, S.B., Monetary Economics,</i> • <i>Hansen, A.H., Guide of Keynes</i> • <i>M.L.Jhingan - Monetary Economics</i> • <i>Ghosh and Ghosh - Fundamentals of Monetary Economics</i> 		

M.A. ECONOMICS			
SEMESTER- III			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
ME CC 502	05/25+7 5	International Trade	Core Paper-II
Total Lectures- 75			
Course Objective:		The basic aim of this course to develop the idea of why the international trade is important in different parts of the world.	
Units	Topic	No. of Lectures	
Unit -I	Pure Theory: Classical Theories (Ricardo and Mill); Evaluation of the Classical Theory; Neo-classical theories (Marshall and Haberler).	15	
Unit -II	General Equilibrium Theory (Ohlin), Derivation of Community Indifference Curve and Trade Indifference Curve, Equilibrium through Box Diagramme.	15	
Unit -III	Terms of trade: Concepts, Measurements and Trends in Terms of Trade; Gains from Trade, Effects of change in demand pattern; Effects of growth in International Trade.	15	
Unit -IV	Commercial Policy: 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.	15	
Unit -V	The Foreign Exchange Rate: Exchange Rate Determination under Gold Standard; Balance of Payments and Purchasing Power Parity Theory; Fixed and freely fluctuating rates of exchange, Foreign Trade Multiplier.	15	
Course Outcome	After completion of the course the students are able to understand the role of trade and trade policies is relevant for the economy.		
Suggested Readings	<ul style="list-style-type: none"> • <i>Dominick Salvatore - International Economics</i> • <i>Krugman Obstfeld - International Economics</i> • <i>Ingram James C. - International Economics</i> 		

	<ul style="list-style-type: none"> • <i>Sawyer & Sprinkle- International Economics</i> • <i>Ellsworth, P.T, International Economy</i> • <i>Marsh, D B., World Trade and Investment</i> • <i>Haberler, G.Von, International Trade</i> • <i>Kindleberger, C.P., International Economics</i> • <i>Sodersten. B., International Economics</i> • <i>Ellis, I I. S. and Metzler (ed), Readings in the Theory of International Economics</i> • <i>Caves, R.E and H.G. Johnson, Readings in International Economics</i> • <i>Vaish, M.C. and Sudama. Singh, International Economics</i> • <i>Mithani, D.M., International Economics</i> • <i>Singhani, G.C., International Economics</i> • <i>Reserve Bank of India, Reports on Currency and Finance</i>
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M.A. ECONOMICS			
SEMESTER- III			
Course Code	Credit /Maximum Marks	Name of the Paper	Remark
MEC E503 (A)	05/25+75	Basic Econometrics	Elective Paper- III (A)
Total Lectures- 75			
Course Objective:		This course provides the theoretical underpinnings for conducting basic econometric studies.	
Units	Topic	No. of Lectures	Credits
Unit -I	Methodology of Econometrics, Economics and Econometrics, Method of OrdinaryLeast Squares; Two variable linear regression model, Best Linear unbiased Estimator, Significance tests of parameters, Maximum Likelihood Estimators -- MOM and GMM estimators.	15	1
Unit -II	General Linear Model, Estimation and properties of estimators, test of overall significance of the regression.	15	1
Unit -III	The problem of Misspecification and Multicollinearity, Restricted Least Squares.	15	1
Unit -IV	Generalized Least Squares: Aitkon's Procedure,	15	1

	Properties of GLS Estimators, Heteroscedastic Disturbance.		
Unit -V	Autocorrelation, Instrumental variables, Errors in variables, Dummy variables, Ridge Regression.	1	5
Course Outcome	After completion of the course the students are able to understand the empirical analysis of the economic theories.		
Suggested Readings	<ul style="list-style-type: none"> • <i>Johnston, J., Econometrics Methods</i> • <i>Maddala, G.S, Econometrics</i> • <i>Dhrymes, P J, Econometrics</i> • <i>Klein, L.R., Text Book of Econometrics</i> • <i>Theil, H., Principles of Econometrics</i> • <i>Kmenta, J, Elements of Econometrics</i> • <i>C. S. S R., A Survey of Research in Economic-Econometrics (Vol VII)</i> • <i>Imtriligator, M.D., Econometric Models : Techniques and Applications</i> • <i>Malinvaud, E., Statistical Methods in Econometrics</i> • <i>Gujarati, Basic Econometrics.</i> • <i>Nachane, D.M., Econometrics: Theoretical Foundation and Empirical Perspective, OUP</i> • <i>Meghnarel Desai, Applied Eurometrics.</i> • <i>John Chipran, An econometrics Theory.</i> 		

M.A. ECONOMICS			
SEMESTER- III			
Course Code	Credit /Maximum Marks	Name of the Paper	Remark
MEC E503 (B)	05/25+75	Quantitative Techniques	Elective Paper- III (B)
Total Lectures- 75			
Course Objective:		To learn the mathematical tools and concepts in economic framework.	
Units	Topic		No. of Lectures
Unit -I	Differentiation: Concept of limits, Elementary idea of differentiation of a function, Differentiation of simple functions, Differentiation of sums and quotient of functions.		15
Unit -II	Differentiation of functions of a function, Second order differentiation. Elementary idea of Partial differentiation and Total differentiation.		15
Unit -III	Elementary idea of Minima and Maxima, Lagrange Multiplier Method, Simple integration and its application.		15
Unit -IV	Matrix Algebra : Addition and Multiplication of Matrices, Different types of Matrices, Transpose and Adjoint of Matrices, Inverse of Non-Singular Matrix, Determinants, Use of Determinants and Non-Singular Matrices for solving linear simultaneous equation (Cramer's rule).		15
Unit -V	Use of Mathematics in Economics: Cost Function, Revenue Function, Utility Function, Consumption Function, Elasticity of Demand, Market Equilibrium, Consumer Surplus and Producer Surplus.		15
Course Outcome	By the end of the course, successful students are expected to understand how mathematical concepts are use in Economics.		
Suggested Readings	<ul style="list-style-type: none"> • Allen, R.G.D., <i>Mathematical Analysis for Economists</i>, Macmillan Press, London. • Chiang, A.C., <i>Fundamental Methods of Mathematical Economics (3rd Edition)</i>, McGraw Hill, New Delhi. • Gupta, S.C. and V.K. Kapoor, <i>Fundamentals of Applied Statistics</i>, S. 		

	<p><i>Chand and Sons, New Delhi.</i></p> <ul style="list-style-type: none">• <i>Yamane, Taro, Mathematics for Economists.</i>• <i>Agarwal, D.R., Quantitative Methods, Vrinda Publications, Delhi.</i>• <i>Agarwal, D.R., Statistics for Economists, Vrinda Publications, Delhi.</i>
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M.A. ECONOMICS			
SEMESTER- III			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECE503(C)	05/25+75	Economic Growth	Elective Paper- III (C)
Total Lectures- 75			
Course Objective:		The students will come to know the various growth theories and their implications in different parts of the worlds.	
Units	Topic	No. of Lectures	
Unit -I	Problem of Economic Growth and General Solution, Growth equilibrium -- Existence, Uniqueness and Stability (local and global).	15	
Unit -II	Classical growth model: Constant Returns, Stationary State, Growth with technical progress.	15	
Unit -III	Post Keynesian Growth Models: Harrod and Domar, the Problem of Inherent instability.	15	
Unit -IV	Neo Classical growth Models: Solow, Swan, Phelps, Golden Rule of Accumulation, Uzawa's Two-sector growth model.	15	
Unit -V	Neo-Keynesian Growth Models: Kaldor, Pasinetti, Joan Robinson, Concept of Golden Age.	15	
Course Outcome	At the end of the course students should be able to discuss the important models, theories and implications of the alternative approaches to growth.		
Suggested Readings	<ul style="list-style-type: none"> • <i>Sen, A.K., Growth Economics</i> • <i>H Wan, Jr., Economic Growth</i> • <i>Finetein, Socialism Capitalism and Economic Development</i> • <i>Jones, An Introduction to Modern theories of Economic Growth</i> • <i>Hahn, F II., Readings in the theory of growth.</i> • <i>Hicks, J.R., Capital and Growth</i> • <i>Solow, R.M., Growth Theory -- An Exposition</i> 		

	<ul style="list-style-type: none">• <i>Hamberg, D., Models of Economic Growth</i>• <i>Nell, E.J.(ed), Growth-Profits and Productivity</i>• <i>Barro, Rabert J and sala-i-Martin,X, Economic growth.</i>• <i>Romer,David,Advanced Macroeconomics</i>• <i>Stiglitz J.E. and Uzawa, Readings in Modern theory of economic growth</i>• <i>Hahn F.H., Readings in the theory of Growth</i>• <i>Jones C.I., Introduction to Economic Growth.</i>
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M.A. ECONOMICS			
SEMESTER- III			
Course Code	Credit/ Maximum Marks	Name of the Paper	Remark
MECE 504(A)	05/25+75	Indian Finance	Elective Paper- IV (A)
Total Lectures- 75			
Course Objective:		The objective of the course is to provide the students with a thorough knowledge and understanding of the economic functions of Indian government in the economy.	
Units	Topic	No. of Lectures	
Unit - I	Theory of Federal Finance; Fiscal Federalism -- Principles and Problems, Union-State.	15	
Unit - II	India's Fiscal Policy: Long-term fiscal policy; Demand Management; Resource Mobilisation for Financing of Five Year Plans; Domestic and Foreign Finance; Fiscal sector and Fiscal Sector Reforms in India.	15	
Unit - III	Public Debt in India, Trends in Plan and Non-Plan Expenditure; Control of Public Expenditure	15	
Unit - IV	India's Tax Structure; Tax Policy -- Objectives and Instruments; Taxation of Income; Corporate Taxation; State Taxes and Expenditure. Agriculture taxation; Taxation of production and sale; Value Added Tax. A survey of Tax Reforms in India.	15	
Unit - V	Structure and Classification of Budgets -- Functional and Economic; Performance budgeting, Zero base budget. Local Finance: Urban and Rural -- A detailed Study of Central, State and Local Finance.	15	

Course Outcome	After studying this paper students will be able to understand the rationale of various economic activities of Indian Government.
Suggested Readings	<ul style="list-style-type: none"> • <i>Kaldor, N., Indian Tax Reform</i> • <i>James Cutt, Taxation of Economic Development of India</i> • <i>Bhargava, R.N., A Manual of Economic and Functional Classification of Government Transaction</i> • <i>U.N., A Manual for Programme and Performance Budgeting</i> • <i>N.C A E R, Economic Functional Classification of Central and State Government</i> • <i>Budget 1957-58</i> • <i>Govt of India, Annual Budgets</i>

M.A. ECONOMICS			
SEMESTER- III			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECE504(B)	05/25+75	Statistical Methods	Elective Paper- IV (B)
Total Lectures- 75			
Course Objective:		The objective of the course is to provide the students to knowledge about the statistics as well as uses of statistics in economics.	
Units	Topic	No. of Lectures	Credit
Unit -I	Measures of Central Tendencies: Mean, Median, Mode, Quartiles and Percentiles.Measures of Dispersion: Mean and Standard Deviation, Skewness and Kurtosis, Moments upto fourth order.	15	1
Unit -II	Correlation Analysis: Assumptions and Concept of Correlation, Karl Pearson's andSpearman's Rank Correlation Coefficients and their Properties, Partial and Multiple Correlation.	15	1
Unit -III	Regression Analysis: Curve Fitting by Method of Least Squares (First and Second Degree Curves), Lines of Regression, Coefficients of Regression.	15	1
Unit -IV	Index Number: Concept of Index Number, Chain Base and Fixed Base Index Number, Laspeyre, Paasche and Fisher Index Number, Tests for an Ideal Index Number.	15	1
Unit -V	Interpolation and Extrapolation: Concept, Assumptions and Uses of Interpolation and Extrapolation. Methods of Interpolation and Extrapolation --Binomial Expansion and Newton's Formula	15	1
Course Outcome	After studying the statistical methods students are able to understand the importance of statistics in empirical interpretation of economic modeling.		
Suggested Readings	<ul style="list-style-type: none"> • Gupta, S.C. and V.K. Kapoor, <i>Fundamentals of Applied Statistics</i>, S. Chand and Sons, New Delhi. • Agarwal, D.R., <i>Statistics for Economists</i>, Vrinda Publications, Delhi. • Mood, A.M. and P.A. Graybill, <i>Introduction to the Theory of Statistics</i> • Yule, G.U. and M.G. Kendall, <i>An Introduction to the theory of Statistics.</i> • Gupta, C.B., <i>Mathematical Statistics</i> • Elhance, D.N., <i>Fundamentals of Statistics (Hindi Ed.)</i> 		

M.A. ECONOMICS			
SEMESTER- III			
Course Code	Credit /Maximum Marks	Name of the Paper	Remark
MEC E504(C)	05/25+75	Industrial Economics	Elective Paper- IV (C)
Total Lectures- 75			
Course Objective:		This course provides a foundation for the study of theoretical models of industrial organisation.	
Units	Topic	No. of Lectures	Credit
Unit - I	Meaning and Scope of Industrial Economics, Basic Concepts of Industrial Economics:Firm, Industry, Market, Market Structure, Market Power, Market Conduct, Market Performance, Goals of a Firm.	15	1
Unit - II	Industrial Efficiency: Concept of Industrial Efficiency – Technical Efficiency, FactorPrice Efficiency and Productive Efficiency. Conditions for Industrial Efficiency.Measurement of Industrial Efficiency, Factors Determining Industrial Efficiency, Sizeof Firm and Industrial Efficiency.	15	1
Unit - III	Industrial Concentration: Concept, Measurement of Industrial Concentration andMonopoly Power, Concentration and Market Performance of a firm, IndustrialConcentration in India.	15	1
Unit - IV	Expansion and Growth of Firm: Concept, Types and Motives of Diversification,Vertical Integration, Merger. Growth of Firm: Need for Growth of a firm, Theories ofGrowth of Firm – Downie, Penrose and Marry Model.	15	1

Unit - V	Market Innovation: Concept of Innovation Process -- Innovation, Invention andImmitation, Measurement of Innovation Activities, Determinants of InnovationActivities.	15	1
Course Outcome	Students will come to develop an analytical view of Industrial Economics Theories.		
Suggested Readings	<ul style="list-style-type: none"> • <i>Barthwal, R R., Industrial Economics, Wiley Eastern Ltd., New Delhu</i> • <i>Divine. P.J. and R M. Jones et. al.. An Introduction to Industrial Economics GeorgeAllen and Unwin Ltd., London.</i> • <i>Hay, D. and D.J. Morris, Industrial Economics: Theory and Evidence, OxfordUniversity Press, New Delhi</i> • <i>Bains, J.S., Industrial Organisation, Cheltenham, U K.</i> • <i>Smith, D M., Industrial Location An Economic and Geographic Analysis, John Wiley, New York</i> • <i>Cherunilam, F., Industrial Economics : Indian Perspective, Himalaya PublishingHouse, Mumbai.</i> 		

M.A. ECONOMICS			
SEMESTER- III			
Course Code	Credit /Maximum Marks	Name of the Paper	Remark
MEC P505	04	Project	Industrial Training/Internship/Survey/etc.
Course Objective:		This paper aims on imparting practical knowledge to the students by the means of providing them industrial training, internship programme, Survey, etc.	
Course Outcome:		<p>After studying this paper students will be able to:</p> <ul style="list-style-type: none"> • Acquire information about various employment opportunities available to them after successful completion of P.G. Programme in Economics • Surveys will impart research oriented approach in the students. 	

M.A. ECONOMICS			
SEMESTER- IV			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECC511	05/25+75	Monetary Institutions and Policy	Core Paper-I
Total Lectures- 75			
Course Objective:		The objective of the course is to familiarize the students with Financial Institutions and Market.	
Units	Topic	No. of Lectures	Credit
Unit- I	monetary Institutions -Objectives of central banking; Function of Central Bank; The Reserve Bank of India; Function of Commercial Banks, Role of commercial bank in the economy; Different types of Commercial Banking Systems; policies and principles of commercial banking. process of credit creation of commercial banks; role of Nonbanking companies in an Economy	15	1
Unit- II	Money Supply :- Exogenous and endogenous Money supply; theoretical and empirical concepts of money supply; different money stocks in India (M0, M1, M2, M3, M4); The Reserve Bank of India approach to measure money supply; High-powered money and money multiplier theory; Budget deficit and money supply; Money supply in open economy ; commercial banks and money supply	15	1
Unit- III	Monetary Policy: Meaning of monetary policy; Objectives of monetary policy, Types and tools of monetary policy, monetary policy and economic stabilization; Monetary policy and economic growth; Effectiveness of monetary policy and fiscal policy; Review of monetary policy of the Reserve Bank of India;	15	1
Unit- IV	Reforms: Banking and financial sector reforms; recent trends in banking sector	15	1
Unit- V	International Monetary Institutions: Problem of International Liquidity; International Monetary Fund ,Role of SDRs and Euro; Exchange rate and money market.	15	1
Course Outcome	The students will get to know the Financial Market in detail.		

Suggested Readings	<ul style="list-style-type: none">• <i>Keynes, J.M, Treatise on Money.</i>• <i>Keynes, J.M., The General Theory of Employment Interest and Money.,</i>• <i>Halm, G N., Monetary Theory .</i>• <i>Kurihara, K., Monetary Theory and Public Policy, De Cock, M.N., Central Banking</i>• <i>Basu, S K., A Review of Current Banking Theory and Practice.,</i>• <i>Gupta, G.P., Monetary Theory,</i>• <i>Sethi, J.D., Problems of Monetary Policy in an Underdeveloped country,</i>• <i>Hansen, A.H , Monetary Theory and Fiscal Policy,</i>• <i>Gupta, S.B., Monetart Economics,</i>• <i>Hansen, A.H., Guide of Keynes Sethi, J D , Problems of Monetary Policy in an Underdeveloped country</i>
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M.A. ECONOMICS				
SEMESTER- IV				
Course Code	Credit/Maximum Marks	Name of the Paper	Remark	
MECC512	05/25+75	Modern International Economics	Core Paper-II	
Total Lectures- 75				
Course Objective:		The objective of the course is to provide the students to the knowledge of advance theory of international economics.		
Units	Topic		No. of Lectures	Credit
Unit-I	Factor Proportion Theory: H-O Theorem, Factor Price Equalisation, Leontief Paradox, Stolper- Samuelson Theorem, Rybezynski Theorem, Trade under Imperfect Competition.		15	1
Unit-II	Forms of Economic Integration, The theory of Custom Unions, Effects of Custom Unions- Static and Dynamic Framework, Lipsey Model, Vanek Model.		15	1
Unit-III	The Foreign Exchange Rate: Monetary approach and Assets Approach to Balance of Payments and Exchange Rate Determination, Exchange Control , Exchange Management.		15	1
Unit-IV	The Balance of Payments Accounts; Alternative mechanism of adjustments in Balance of Payments; Devaluation and Absorption approach for adjustment in BOP.		15	1
Unit-V	Collapse of Bretton Woods Systems, GATT and WTO., Emerging International Monetary systems. Problems of International Liquidity, Euro-currency market and International Debt Crisis.		15	1
Course Outcome		This course has become even more relevant with rising globalization and liberalization in all over the world. The aim of this paper to develop the idea about the advance international theories with application in global level.		
Suggested Readings		<ul style="list-style-type: none"> • <i>Dominick Salvatore- International Economics</i> • <i>Krugman Obstfeld- International Economics</i> • <i>Ellsworth, P.T., International Economy</i> • <i>Marsh, D.B., World Trade and Investment</i> • <i>Haberler, G Von, International Trade</i> • <i>Kindleberger, C.P., International Economics</i> • <i>Sodersten, B., International Economics</i> • <i>Ellis, I I. S. and Metzler (ed.), Readings in the Theory of International Economics</i> • <i>Caves, R.E. and H G. Johnson, Readings in International Economics</i> • <i>Vaish, M.C. and Sudama. Singh, International Economics</i> • <i>Mithani, D.M., International Economics</i> • <i>Singhani, G.C., International Economics</i> • <i>Reserve Bank of India, Reports on Currency and Finance</i> 		
M.A. ECONOMICS				
SEMESTER- IV				
Course	Credit/Maximum	Name of the Paper	Remark	

Code	um Marks		
MECE513 (A)	05/25+75	Advance Econometrics Methods	Elective Paper- III (A)
Total Lectures- 75			
Course Objective:		The objective of the course is to provide the students to the knowledge of advance econometrics methods.	
Units	Topic	No. of Lectures	Credit
Unit-I	Grouping of Observations and Equations, Mixed Estimation, Random Coefficient Method of Estimation.	15	1
Unit-II	Distributed Lags Model; Koyack Reduction, Partial Adjustment and Adaptive Expectation, Almon's Approach.	15	1
Unit-III	Simultaneous Equation Method of Estimation: Identification Problem with Restrictions on variances and co-variances.	15	1
Unit-IV	Indirect Least Squares, Two-stage and Three-stage Least Square Methods, K-class estimators, Full information and Limited information Methods of Estimation.	15	1
Unit-V	Time series Econometrics; Vectors, Auto regressor, Unit Roots and Co integration. Pooling of the cross-section and time series Data; Specification and estimation of demand function and production function.	15	1
Course Outcome	After completion of the course the students are able to understand the economic modeling, analysis and interpret the model. And finally develop the idea about the good economic policies.		
Suggested Readings	<ul style="list-style-type: none"> • Johnston, J, Econometrics Methods • Maddala, G.S., Econometrics • Dhrymes, P.J., Econometrics • Klein, L.R., Text Book of Econometrics • Theil, H., Principles of Econometrics • Kmenta, J., Elements of Econometrics • C. S. S. R., A Survey of Research in Economic-Econometrics (Vol. VII). • Intriligator, M.D., Econometric Models -- Techniques and Applications • Malinvaud, E., Statistical Methods in Econometrics. • Walter Enders, Applied Econometric Time Series 		

M.A. ECONOMICS			
SEMESTER- IV			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECE513 (B)	05/25+75	Demography	Elective Paper- III (B)
Total Lectures- 75			
Course Objective:		The paper enlightens the students on the quantitative and the qualitative aspects and characteristics of the population through various demographic techniques.	
Units	Topic	No. of Lectures	Credit
Unit- I	Demographic Analysis. Subject Matter, Importance and Tools.	15	1
Unit- II	Population Theories: Malthus, Optimum Theory, Herbest Spencer Logistic Curve Theory, Libenstien, Demographic Transition.	15	1
Unit- III	Demographic Measurements: Fertility--Determinants and Measurements,	15	1
Unit- IV	Mortality and Morbidity; Concepts and Measurement	15	1
Unit- V	Life Table: Construction, Types, Uses in Demography.	15	1
Course Outcome	The students will come to know various techniques of demographic studies.		
Suggested Readings	<ul style="list-style-type: none"> • <i>Thompson, S.W and T Lewis: Population Problems</i> • <i>Smith, Kenneth: The Malthusian Controversy</i> • <i>Malthus, T.R.: An Essay on Population</i> • <i>Cox, P.R : Demography</i> • <i>Bose, Ashish: Pattern of Population Change in India</i> • <i>Joseph J. Spengler and Dudley Ducan, Population theory and Policy</i> • <i>Cox P.R., Andendum to Demography</i> • <i>Rawat, IshwarModi: Ageing and Human Development-- Global Perspective</i> 		

M.A. ECONOMICS			
SEMESTER- IV			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECE513 (C)	05/25+75	Modern Growth Theories	Elective Paper- III (C)
Total Lectures- 75			
Course Objective:		The objective of the course is to provide the students to the knowledge of Modern Growth Theories	
Units	Topic	No. of Lectures	Credit
Unit-I	Technology and Growth: Neutral technical change, Steady State and Stability of growth equilibrium, Kaldor's technical progress function; Invention Possibility Frontier-- Kennedy and Weizsacke, Arrow's learning by doing.	15	1
Unit-II	Money and Growth: Tobin, Johnson.	15	1
Unit-III	Models of Optimum Growth: General formulation and its solution, Keynes-Ramsey-Rule	15	1
Unit-IV	Endogenous Growth Models: AK Model, Lucas Model of Human Capital, Romer's Model of endogenous innovation	15	1
Unit-V	Convergence Analysis. The Classical Approach, Danny Quah's 'Twin-peaks' model.	15	1
Course Outcome	The students will come to know the different advanced growth model and its application in different countries.		
Suggested Readings	<ul style="list-style-type: none"> • Sen, A K., <i>Growth Economics</i> • H. Wan, Jr., <i>Economic Growth</i> • Finetein, <i>Socialism Capitalism and Economic Development</i> • Jones, <i>An Introduction to Modern theories of Economic Growth</i> • Hahn, F II, <i>Readings in the theory of growth</i> • Hicks, J.R., <i>Capital and Growth</i> • Solow, R.M., <i>Growth Theory -- An Exposition</i> • Hamberg, D., <i>Models of Economic Growth</i> • Nell, E.J (ed.), <i>Growth-Profits and Productivity</i> • Jones, Charles, <i>Economic growth</i> • Barro R.E. Sala-i-Martin; <i>Economic Growth</i> • Romer; <i>Advanced Macroeconomics</i> 		

M.A. ECONOMICS				
SEMESTER- IV				
Course Code	Credit/Maximum Marks	Name of the Paper	Remark	
MECE514 (A)	05/25+75	Population Problems	Elective Paper- IV (A)	
Total Lectures- 75				
Course Objective:		To make the students aware of the importance of population in economic development and the various theories that explain the growth of population in a country		
Units	Topic		No. of Lectures	Credit
Unit- I	Demography in India: Sources of population data, Census, Trends of birth and death, Age and sex composition		15	1
Unit- II	Occupational and regional distribution, Measurement of population growth, Population Projection.		15	1
Unit- III	Fertility Patterns in India, Population Policy of India.		15	1
Unit- IV	Migration and Urbanisation. Population and Environment, Human Resources Development and Economic Development.		15	1
Unit- V	Demographic Trends in selected countries: USA, UK, Japan and China, World Population Trends.		15	1
Course Outcome	The students will come to know the India's demographic conditions over the period of time.			
Suggested Readings	<ul style="list-style-type: none"> • <i>Thompson, S W and T. Lewis, Population Problems (Fifth ed.)</i> • <i>Smith, Kenneth, The Malthusian Controversy</i> • <i>Malthus, T.R., An Essay on Population</i> • <i>Cox, P.R , Demography</i> • <i>Bose, Ashish, Pattern of Population Change in India</i> • <i>Joseph. J. Spengler and Dudley Ducan, Population theory and Policy</i> • <i>Cox P.R , Andendum to Demography</i> • <i>Barclay, George, Techniques of Population Analysis</i> • <i>Coal, A.J. and E.M. Hoover, Population Growth and Economic Development in Low Income Countries</i> • <i>Agrawal, S N., Some Problems of India's Population</i> • <i>Davis, Kingsley, Population of India and Pakistan</i> • <i>U.N.O. , Determinants and Consequences of Population Trends</i> • <i>Coontz, S.I I , Population Theories and Their Economic Interpretations</i> • <i>World Bank, World Development Report</i> 			



M.A. ECONOMICS			
SEMESTER- IV			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECE514 (B)	05/25+75	Labour Economics	Elective Paper- IV (B)
Total Lectures- 75			
Course Objective:		To develop students' abilities in acquiring a better understanding of the functioning of labour markets.	
Units	Topic	No. of Lectures	Credit
Unit- I	Definition, Nature, Scope and Importance of Labour Economics, Concept of ManPower Planning; concept of human resource development; problems of labourmarket; demand and supply of labour;	15	1
Unit- II	Characteristics of labour; Characteristics of labour market in India, LabourMigration; Labour productivity; Child labour.	15	1
Unit- III	Concepts and measurement of unemployment; Employment and unemploymentsituation in India; Methods of recruitment and placement; Employment ServiceOrganisation in India; lay-offs, retrenchment and exit policy. ; Employment policies inIndia;	15	1
Unit- IV	Concepts of Living, Fair and Minimum wage; Real and nominal wages; Wagedifferentials;, Theories of wage determination; Wage policy; Productivity and wages;Profit sharing; Bonus system in India.	15	1
Unit- V	Women labour; Gender- biasness in labour market. Effect of globalisation on labourmarket. Impact of rationalisation, technological changes and modernization onemployment situation in India.	15	1
Course Outcome	The students will obtain extended understanding of labour market operations.		
Suggested Readings	<ul style="list-style-type: none"> • Bloom, Northrop, Rewen., <i>Readings in Labour Economics</i> • Bloom, Northrop, Rewen., <i>Readings in Labour Economics</i> • Brown, Phelps, <i>Economics of Labour</i> • Brown, Phelps, <i>Economics of Labour</i> • Giri, V.V., <i>Labour in Indian Industry</i> • Lester, R.A., <i>Economics of Labour</i> • Sing, R R., <i>Labour Economics</i> 		



M.A. ECONOMICS				
SEMESTER- IV				
Course Code	Credit/Maximum Marks	Name of the Paper	Remark	
MECE514 (C)	05/25+75	Industrial Relation and Social Security	Elective Paper- IV (C)	
Total Lectures- 75				
Course Objective:		This course provides a foundation for the study of theoretical models of industrial organization and Social Security.		
Units	Topic		No. of Lectures	Credit
Unit- I	Industrial relations: Concept of industrial relation; Industrial disputes in India; Causes of industrial disputes; Settlement of industrial disputes, Prevention of industrial disputes;		15	1
Unit- II	Collective bargaining and labour movement: Collective bargaining ; Theories of labour movement; A brief history of labour movement in India; Trade unions and Central Labour Unions in India ; International Labour Organisation; ILO and Indian Labour.		15	1
Unit- III	Social security Concept and evolution of social security, social assistance and social insurance; Need for social security in India; Provisions of social security in India; social security for unorganized labour in India.		15	1
Unit- IV	Labour welfare: Concepts and need of Labour Welfare ; Labour Welfare Schemes in India.		15	1
Unit- V	Labour Legislations in India: Labour laws in India; Labour market reforms; National Commissions on Labour; Flexibility in labour market.		15	1
Course Outcome	The students will come to know the concepts of industrial relations and social security in detail.			
Suggested Readings	<ul style="list-style-type: none"> • <i>Brown, Phelps, Economics of Labour</i> • <i>Charles Meyer, Industrial Relations in Labour</i> • <i>Sing, R.R., Labour Economics</i> • <i>Krikaldy, H S, The Spirit of Industrial Relations.</i> • <i>Punekar, S.D , Trade Unions in India</i> • <i>Giri, V.V., Labour in Indian Industry</i> • <i>Lester, R.A., Economics of Labour</i> 			

M.A. ECONOMICS

SEMESTER- IV			
Course Code	Credit/Maximum Marks	Name of the Paper	Remark
MECP515	04+04/100 (Sem-III+Sem-IV)	Project	Industrial Training/Internship/Survey/etc.
Course Objective:		This paper aims on imparting practical knowledge to the students by the means of providing them industrial training, internship programme, Survey, etc.	
Course Outcome:		After studying this paper students will be able to: <ul style="list-style-type: none"> • Acquire information about various employment opportunities available to them after successful completion of P.G. Programme in Economics. • Surveys will impart research oriented approach in the students. 	