

**Dr. Shakuntala Misra National Rehabilitation University, Lucknow, U.P.**

**Department of Economics**

**National Education Policy-2020**

**M.A. (Economics)**

The Master of Arts in Economics isn't just a course; it's a transformative journey into the heart of the economic world. This program meticulously equips the students with the tools to navigate the complexities of modern economies. The students will gain a profound understanding of economic theory and methods, fostering the ability to apply them to real-world situations. By honing their quantitative skills, they will learn to dissect and interpret economic data with precision. The program doesn't stop at theory; it empowers them to collect and analyze data using software, making them a master of economic landscapes. To further personalize their learning, they have been given the opportunity to delve into elective courses that pique their specific economic interests. Finally, the program culminates in a dissertation with field work, project evaluation in the initial phases, a chance to embark on a research-oriented endeavour that sharpens their writing, analytical, and critical thinking skills. This Master's program is more than a degree; it will enable them in understanding and influencing the economic forces that shape our world.

**Programme Outcome:**

The program of masters in economics seeks:

- To prepare students to develop their concern for various socio-economic issues and also develop understanding about practical applicability of economic theories and their effective practice
- To enhance the skill of the students towards analysis of problem, hypothesis formulation, validation of results and to draw inferences
- To prepare students for different areas of work opportunities like research, teaching and to develop entrepreneurship temperament so that they can establish micro and small ventures, as the work opportunities are scarce in the world arena.
- To develop their understanding towards present national, international economic policies and various other issues.
- To make students a rational citizen with concern for socio-economic issues of nation and international ramifications.
- To Provide the knowledge about the latest development in the dynamic field of economics

- Students would get an insight about how the economy is influenced by technological advances, economic policies, demographic and contemporary conditions.
- To develop the understanding of Ancient Indian Economic Thought.

#### **PROGRAMME SPECIFIC OUTCOMES:**

At the completion of the programme the students will be able to:

- Apply economic reasoning to study society.
- Evaluate economic policies both national and international from different perspectives.
- Carry out a research project.
- Get the opportunity of obtaining a professional qualification in economics focusing on the advanced practical areas .
- Understand and analyze basic concepts and theories of economics and apply them to the behaviour in practice.
- Explain the role of government in the economy, including taxing, spending, regulating and producing.
- Predict the impact of fiscal and monetary policy on overall economic performance.
- Explain and discuss the determinants of economic growth.

**M.A. in Economics**  
**List of all Papers in all four semesters**

Course No.	Name of the Course	Credits	Remark
<b>(M.A. I<sup>st</sup> Year) Year I Semester - I</b>			
A080701T	Microeconomic Analysis	5	Core Course
A080702T	Environmental Economics	5	Core Course
A080703T	Statistics	5	Core Course
A080704T	Public Finance	5	Core Course
<b>Year I Semester – II</b>			
A080801T	Macroeconomic Analysis	5	Core Course
A080802T	International Economics	5	Core Course
A080803T	Contemporary Issues in Indian Economy	5	Core Course
A080804T	Economics of Industry	5	Elective
A080805T	Resource Economics		
<b>(M.A. II<sup>nd</sup> Year) Year II Semester – III</b>			
ECO301	Economics of Growth and Development	5	Core Course
ECO302	Mathematical Methods for Economic Analysis	5	Core Course
ECO303	Monetary Economics	5	Elective
ECO304	Ethics & Economics		
ECO305	Labour Economics	5	Elective
ECO306	Computer Application in Economics		
ECO307	Research Project	10	Research (Core)
<b>Year II Semester – IV</b>			
ECO401	Research Methodology	5	Core Course
ECO402	Econometrics	5	Core Course
ECO403	Economics of Agriculture	5	Elective
ECO404	The Evolution of Economic Thought		
ECO405	Social Sector Economics	5	Elective
ECO406	Economy of Uttar Pradesh		
ECO407	Field Survey Based Dissertation	10	Research (Core)

**M A 1<sup>st</sup> Year, Sem. I**

**(Core )**

Programme/Class: M A Economics

Year: I

Semester: I

Course Code: A080701T

**Course Title: Microeconomic Analysis**

**Course outcomes:**

- Students will be able to understand the fundamentals of Microeconomics
- It will make students aware about how various economic agents behave optimally given scarce economic resources and other constraints
- It will familiarize the students with different types of economic models
- It provides theoretical tools to analyze real/practical market
- It gives insights in the areas of distribution theories, General equilibrium, Welfare Economics, Uncertainty, Informational asymmetry and behavioral economics.

Credits:5

Core Compulsory

Max. Marks:25+75

Min. Passing Marks: 40

Total No. of Lectures-Tutorials-Practical (in hours per week):L-T-P:6-0-0

Unit	Topics	No. of Lectures
<b>I</b>	<b>Introduction: Consumer Behavior:</b> Measurement of utility, Direct and Indirect utility function, Expenditure function, Roy's Identity, Bernoulli's Hypothesis, Neuman-Morgenstern Utility Index Conditions; Theory of Revealed Preference and theory of Demand; Hicks Revision of Demand theory-Logical ordering.	12
<b>II</b>	<b>Theory of Production:</b> Concept of Production and Production Function, Production function of a single and multi product firm, Technological progress and Production Function; Cobb-Douglas, CES (Constant Elasticity of Substitution). <b>Limit-Price theorem-</b> Role of Natural and Strategic Barriers in determination of limit price.	12
<b>III</b>	<b>Market Forms and Pricing of Product:</b> types of market, relationship between perfect and monopoly situation, Duopoly Market, Oligopoly: Non Collusive Models- Cournot's, Stackelberg, Edgeworth and Bertrand Models, Collusive Oligopoly- Cartels aiming at joint profit maximization and market sharing cartels- price leadership models <b>Monopolistic Competition-</b> Chamberlin's model, Price and Non-Price competition; .	12
<b>IV</b>	<b>Market Failure and Asymmetric Information-</b> Quality, Uncertainty, Market Signaling, Moral Hazard and Adverse Selection, Principal Agent Models, Properties of Contracts Under Moral Hazard And Adverse Selection, Signaling and Screening, Spence's Labor Market Signaling Model.	12
<b>V</b>	<b>Game Theory:</b> Zero-Sum Game, Pure and Mixed strategies, Under zero-sum Games; Variable sum Games; concept of	

	Dominant and Dominated Strategies, Mixed Strategies under variable sum Game; Alternative Methods of Determination of optimal pay-offs and Nash Equilibrium; Non-cooperative games and Prisoners' Dilemma.	12
VI	<b>Welfare Economics:</b> Marshall, Pigou and Pareto- criteria and optimality; Compensation Principle- Hicks, Kaldor and Scitovsky; Social welfare function- Bergson and Samuelson, Arrow's social choice and Individual values.	15
<p><b>Suggested Readings:</b></p> <ul style="list-style-type: none"> <li>❖ Ahuja,H.L: Advanced Economic Theory, S.Chand, 21st Edition</li> <li>❖ Dewett,K.K, Navalur, M.H: Modern Economic Theory, S. Chand, Revised Edition, 2006</li> <li>❖ Gould and Ferguson: Micro Economic Theory, Aitbs Publishers India, 6<sup>th</sup> Edition</li> <li>❖ Hal. R. Varian: Intermediate Micro Economics- Modern Approach, w.w.Narton and Company, 4<sup>th</sup> Edition</li> <li>❖ Handerson and Quandt: Micro Economic Theory- A mathematical approach, Mc Graw Hill Education India, 3<sup>rd</sup> Edition</li> <li>❖ Jhingan, M.L: Micro Economic Theory, Vrinda Publication, 7<sup>th</sup> Edition</li> <li>❖ Koutsoyiannis,A: Modern Micro Economics, Macmillan Press, London, 2013</li> <li>❖ Krepps, David: A course in Micro Economics Theory, Princeton University Press, 2020</li> <li>❖ Krugman, Paul and Wells, Robin: Micro Economics, Worth Publishers, New York, 2005</li> <li>❖ Maddala, G.S, Miller Ellen: Micro Economics, Tata Mc Graw Hill,1st Edition</li> <li>❖ Mas-Colel. Andrew, Michael Dennis Whinston, Jerry R. Green: Micro Economics, South Asia Edition, Oxford</li> <li>❖ Mehta,P.K, Singh,Meena: Introductory Micro Economics, Taxmann, 2017, 2<sup>nd</sup> Edition</li> <li>❖ Mukherjee, S: Modern Economic Theory, New Age International Ltd, 2010</li> <li>❖ Pynddick and Rubinfeld: Micro Economics, Pearson, 8<sup>th</sup> Edition</li> <li>❖ Richard, H.Leftwich: The price system and Resource allocations, Thomson Learning, 9<sup>th</sup> Edition</li> <li>❖ Salvatore, Dominick: Principles of Micro Economics,Oxford, 5<sup>th</sup> Edition, 2009</li> <li>❖ Seth, M.L: Introductory Economic Theory, Lakshmi Narain Agarwal, 2020</li> <li>❖ Shah Deo, K.N: Micro Economics, SBPD Publication, 2020, 1st Edition</li> <li>❖ Snyder, Christopher and Nicholson, Walter: Micro Economic Theory- Basic principles and extensions, Cengage Learning, 2012</li> <li>❖ Verma,K.N: Micro Economic Theory, Vishal Publication, 2017</li> </ul>		
Suggested Continuous Evaluation Methods: : Internal Assessment of 25 marks shall be divided into 10 marks for Assignment based presentation + 15 marks for written test comprising MCQs (Four MCQs of one mark each, all compulsory), short answer (Three of 3 marks each of which 2 to be attempted) and long answer type questions (Two question to be given of which one needs to be given, each of the two of 5 marks		
Suggested equivalent online courses: UGC-e-PG Pathshala of the Ministry of Human Resource Development, Government of India Programme like Swayam, or any Programme run by the Government of Uttar Pradesh etc.		

**M A 1<sup>st</sup> Year Sem. I  
(Core)**

Programme/Class MA Economics	Year: I	Semester: I
Course Code: A080702T	<b>Course Title: Environmental Economics</b>	
<b>Course outcomes:</b> <ul style="list-style-type: none"> <li>● Students will come to know about the relevance of Environmental Economics</li> <li>● Students will also come to know how market allocate goods and how sometimes market fails to allocate environmental resources optimally</li> <li>● Students will come to know how sustainable development of the economy can be attained</li> <li>● Students come to know about market failure, corrective measures for market failure</li> <li>● This paper gives an idea how to regulate pollutants that travel across country boundaries</li> <li>● This paper clarifies how environmental regulations affect trade flows</li> <li>● This paper also propagates idea of people's participation for conservation and protection of Environmental Resources</li> <li>● students will understand the causes and victims of environmental pollution like poverty, population explosion, and overuse of resources, careless or unscientific dump/management of wastes</li> <li>● this paper suggests appropriate measures to correct environmental degradation, aware of those ingredients such as healthy climate, quality of human beings, domestic and other natural habitats and biodiversity levels, productivity and productions, sustainability, etc are all influenced by environment</li> </ul>		
Credits:5	Core Compulsory	
Max. Marks:25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week):L-T-P:6-0-0		
Unit	Topics	No. of Lectures
<b>I</b>	<b>Introduction:</b> Nature, Scope and Methodological Issues in Environmental Economics; Relation between development and Environmental stress; Environmental Kuznets Curve, Economy-Ecology-Environment Interaction; Material Balance principle, Environment and Economics System, Ecology- Meaning, Scope and Ecological Factors, Ecosystem -Meaning and Components.	12
<b>II</b>	<b>Economics of Exhaustible Resources:</b> Hotelling's rule;Market structure and optimal extraction policy; Common property resource management; Tragedy of Commons; Sustainable Development, Indicators of Sustainable Development, Equity and Sustainable Development, Measuring Sustainable Development, Green GDP, Social Limits to Growth Model.	12

<b>III</b>	<b>Environmental Externalities and Public Goods:</b> Positive and Negative Externality, Public and Private Goods, Concept of Market failure, Pigouvian solution, Carbon Tax, Coase's Theorem, Grass Root Movements (Chipko Movement, Save silent valley movement, Narmada Bachao Andolan, Appiko Movement, Biodiversity-Meaning, Stratification and Importance, Carbon Footprint.	12
<b>IV</b>	<b>Environmental Valuation:</b> Meaning and Need for Environmental Valuation, Use Values, Non-Use Values, option values, Methods and approaches to environmental valuation- Direct methods, Contingent valuation method, Trade off games method, costless choice method, Travel cost method, Hedonic pricing method, Preventive expenditure method, wage differential approach, cost based methods, Social cost benefit analysis.	12
<b>V</b>	<b>Environmental and Natural Resource Policy &amp; Strategies:</b> Evolution of Environmental policy, protection, conservation, policy instruments; Tradable Permits and fees, Monitoring and Enforcement issues, Environmental Management, Environmental Impact Assessment, India's Environmental policy and performance, International Environmental issues and Legislations.	12
<b>VI</b>	<b>Impact of different factors on Environment and various Environmental Issues:</b> Different types of Pollution, Population and Environment, Poverty and Environment, Trade and Environment in WTO regime, Eco-labeling, Economics of climate change- meaning, causes and solution, Ozone depletion and climate change; Global Warming and greenhouse Effect, Rio and other conference, Protocols and Treaties relating to climate change and Environmental Degradation, Ozone Depletion.	15
<p><b>Suggested Readings:</b></p> <ul style="list-style-type: none"> <li>● <u>Anderson. David.A:</u> Environmental Economics and Natural resource, Routledge, 2010</li> <li>● <u>Bhattacharya.R.N:</u> Environmental Economics, Oxford University Press, 2002</li> <li>● <u>C.field.Barry:</u> Environmental Economics- An Introduction, McGraw Hill Education, 2012</li> <li>● <u>Ganesamurthy.V.S:</u> Environmental Economics in India, New Century Publications, 2020</li> <li>● <u>Haab and Huang:</u> Preference data for Environmental Valuation, Routledge, 1<sup>st</sup> Edition</li> <li>● <u>Haab and White head:</u> Environmental and Natural resource economics, Greenwood, 2014</li> <li>● <u>Hanley.N, Shogren, B. White:</u> Introduction to Environmental Economics, MacMillan Press Ltd, 1997</li> <li>● <u>Jhingan.M.L, Sharma.Chandra.K:</u> Environmental Economics (Theory, Management and Policy), Vrinda, 2<sup>nd</sup> Edition</li> <li>● <u>Joshi.M.V:</u> Theories and approaches of Environmental Economics, Atlantic, 2005</li> <li>● <u>Kaithal.A.K, Kumar.S:</u> Environmental Economics, Prakashan Kendra Lucknow, 2020</li> <li>● <u>Karpagam.M:</u> Environmental Economics, Sterling Publishers Pvt. Ltd, 2019</li> <li>● <u>Kolstad.C.D:</u> Environmental Economics, OUP USA, 1999</li> <li>● <u>Palmer.J.A:</u> Environmental Education in 21<sup>st</sup> Century, Routledge, 1998</li> <li>● <u>Sankar.U:</u> Environmental Economics, Oxford India, 2001</li> <li>● <u>Singh.Katarand Shishodia.A:</u> Environmental Economics- Theory and Applications, Sage India, 2007</li> <li>● <u>Tietenberg.Tomand Lewis.L:</u> Environmental and natural resource economics, Routledge, 11<sup>th</sup> Edition</li> </ul>		

**M A 1<sup>st</sup> Year, Sem. I  
(Core)**

Programme/Class: M A Economics

Year: I

Semester: I

Course Code: A080703T

**Course Title: Statistics**

**Course outcomes:**

- i. Students would acquire theoretical and practical knowledge of quantitative/statistical techniques used in the empirical analysis of economic relationships.
- ii. Students at the end of the course will be familiar with the analysis and interpretation of data, along with hands-on training in both of these fields.
- iii. After completion of this paper, students will also be able to analyse field and secondary data using various statistical techniques on different themes.
- iv. The objective of this paper is to introduce basic econometric techniques that are widely used in empirical work in economics and other related disciplines.
- v. It covers the problems faced in estimation and inference in the context of single and multiple equations regression models.
- vi. The focus is on conceptual understanding and ‘hands on’ applications using economic data drawn from real-world examples.
- vii. Estimate and interpret the parameters of multiple regression

Credits:5

Core Compulsory

Max. Marks:25+75

Min. Passing Marks:

Total No. of Lectures-Tutorials-Practical (in hours per week):L-T-P:6-0-0

Unit	Topics	No.of Lectures
<b>I</b>	Introduction to Basic Concepts of Statistics: Population, Universe, Data, Questionnaire, Schedule, Interview Schedule. Measures of Central Tendency, Measures of Dispersion, Skewness and Kurtosis.	12
<b>II</b>	Correlation Analysis–Karl Pearson’s Correlation, Rank Correlation, Partial Correlation, Difference in Correlation and Regression, Regression Analysis – Method of Least Squares. Standard Error of Estimate	12
<b>III</b>	Probability Theory and Probability Distribution – Basic Terminology, Types of Probability. Bay’s Theorem, De Morgan’s Theorem	12
<b>IV</b>	Introduction, nature, scope and objectives of econometrics. Basic concepts-population, sample, distribution, statistical inference and sampling distribution. Steps in Empirical economic analysis. Data Structure-Cross Sectional Data, Times Series Data, Pooled cross sections and Panel or Longitudinal Data. Causality and the notion of ceteris paribus.	12

V	Error Term. Estimation, Estimator, Properties of Estimator. Estimation-point and interval. Least Square Estimator, Coefficient of Determination. Stochastic and Non-stochastic relation. Linear regression with a single regressor. Linear and non-linear functions	12
VI	Basic functional forms of regression model. Classical Linear Regression Model- Ordinary Least Square Method (OLS)- assumptions, estimation & properties. Relaxing Assumptions of Classical Model-Multicollinearity, Heteroscedasticity and Autocorrelation.	15

**Suggested Readings:**

- ❖ Agarwal, D.R. (2009): Quantitative Methods, Vrinda Publications, Delhi.
- ❖ Agarwal, D.R. "Prarambhik Ganitiya Arthshastra (Hindi)", Vrinda Publications, Delhi.
- ❖ Allen, R.G.D. (2008): Mathematical Analysis for Economics, AITBS.
- ❖ Casella, G. and R.L. Berger: Statistical Inference
- ❖ Elhance, D.N. (1996): Fundamental of Statistics, Kitab Mahal, Allahabad
- ❖ Elhance, D.L. (2010): Sankhiki Ke Siddhant (Hindi), Kitab Mahal
- ❖ Gerald Keller Statistics for management and economics 11th edition, Cengage publication, 2017
- ❖ Gupta, S.C. (1993): Fundamental Of Applied Statistics, Chand & Sons New Delhi
- ❖ Levin, Richard I. & Rubin, David S. (2005), Statistics for Management, Pearson Education, Singapore
- ❖ Mood. A.M., F.A. Graybill and D.C. Boes: Introduction to Theory of Statistics
- ❖ Sharma, B.S. (2006): Quantitative Methods, Anmol Publishers.
- ❖ Sharma, J.K. (2010): Quantitative Methods: Theory and Applications, Macmillan Publishers India LTD.
- ❖ Sharma, J.K. (2011): Business Statistics: Problems and Solutions, Pearson Education.
- ❖ Sharma, J.K. (2007): Business Mathematics, Ane Books Pvt. Ltd.
- ❖ Teresa Bradley, Essential Statistics for Economics, Business and Management, John Willey Publisher, 2007
- ❖ Veerachamy, R.: Quantitative Methods for Economists. New Age International Publishers. Latest Edition
- ❖ Gujarati D. Basic Econometrics, Tata Mc Graw Hill, New Delhi
- ❖ Gujarati, D. N., "Econometrics by Example", Red Globe Press, 2nd Ed, 2014
- ❖ Johnston and Dinardo, Econometric Methods, McGraw Hill.
- ❖ Koutsoyiannis: Theory of Econometrics.
- ❖ Maddala, GS –Econometrics, McGraw Hill, N.Y.
- ❖ Marno Verbeek, 2017, "A Guide to Modern Econometrics", John Wiley & Sons, Ltd, 5th Edition
- ❖ Stock, James H., and Mark W. Watson (2007), Introduction to Econometrics, 2/E, Pearson
- ❖ Studenmund, A H: Using Econometrics, Pearson
- ❖ Wooldridg, Jeffrey M.: Introductory Econometrics: A Modern. Approach, Cengage Learning
- ❖ मदनानी, जी.एम. के. वकैलाशचन्द्रनायमा: अर्थमिति : अवधारणाएवंविधियों ! कल्याणीपब्लिशर्स !
- ❖ श्रीवास्तव, बी.एल.व.अनिलगुप्ता: गणितात्मकअर्थशास्त्रतथाअर्थमितिकेमूल-तत्व ! प्रगतिप्रकाशन, मेरठ

**M.A I Year, Sem. I  
(Core)**

Programme/Class M.A.	Year: I	Semester: I	
Subject: Economics			
Course Code: A080704T	<b>Course Title: Public Finance</b>		
<b>Course outcomes:</b> Through this course students should be able to <ul style="list-style-type: none"> <li>● Identify the market failure and provision of public goods, role of government in the economy,</li> <li>● Understand the system of resource allocation for the welfare of the society.</li> <li>● Comprehend the budgetary provision and structure of Union and State budget</li> <li>● Know the sources of revenue and heads of expenditure, causes of debt and fiscal deficit.</li> <li>● Analyse the fiscal federalism and causes of regional imbalances.</li> <li>● Get an insight of Indian Public Finance.</li> </ul>			
Credits: 5	Core Compulsory		
Max. Marks: 25+75	Min. Passing Marks: 40		
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0			
Unit	Topics		No. of Lectures
I	<b>Public Finance:</b> Meaning, scope and importance of public finance. Principles of maximum social advantage. Market failure and preventive measures, the theories of public goods, private goods and merit goods. Provision of public goods.		12
II	<b>Public Revenue:</b> Sources of Public Revenue -Tax and Non Tax Revenue; Canons of Taxation. Tax shifting and tax Evasion . Modern Theories of incidence and Musgrave's concept of incidence. Effects of taxes on work efforts, savings, investment, and growth.		12
III	<b>Public Expenditure:</b> Meaning need and causes of increase in Canons of Public Expenditure.Theories of Public Expenditure – Wagner's law. Peacock-Wisemen hypothesis and Peacock Hypothesis.		12

	<b>Public Debt:</b> Causes of Borrowings, Types ,Sources, Effect and Burden of Public Debt. Growth of internal and external public debt in India. Methods and Management for Redemption of Public Debt.	
IV	<b>Fiscal policy and its implications:</b> Objectives of fiscal policy,Fiscal policy: traditional and modern views on fiscal policy. Instruments of fiscal policy; Fiscal policy for stabilization-automatic vs. discretionary stabilization. Fiscal policy and economic development. <b>Government Budget:</b> Concept, role and types of Budget. Traditional and zero-Base Budgeting. Deficit Financing.	12
V	<b>Indian Public Finance:</b> Analysis of Central and State government budgets: lack of flexibility in Central and State budgets, shrinking size of development finance through budgets. Indian tax System, (Direct, Indirect and Non Tax Income)Sources of income of State and Local Bodies. Government Expenditure – Central And state	12
VI	<b>Fiscal Federalism:</b> Principles Determining Federal Division of Revenue and expenditure, Vertical and Horizontal Imbalances, Transfer Mechanism in India, Role of Finance & Planning Commissions, Sharing of Taxes, Non-tax Revenues and Grants Finance Commission and Planning Commission. Centre State financial relations in India . Resource Transfer from Union to States.	15

**Suggested Readings:**

- Atkinson A. B., and Stiglitz J. E. Lectures on Public Economics, Tata McGraw Hill, New York.1980.
- Ayyar, R.V.V.:Public policymaking in India ,Pearson New Delhi 2009
- BagchiAmaresh:Readings in Public Finance, Oxford University Press.2005.
- Bhatia H.L.;Public finance ;Vikas Publishing House.2018. 29<sup>th</sup> Edition
- Buchanan, J.M. :The Public Finances, Richard D.li-win, Homewood.1970.
- Dalton Hugh: Principles of Public Finance , Allied Publisher .2012
- Dalton, Huge :Principles of Public Finance, Routledge and Kegan PaulLtd., London.1971.
- Dye. T. R.: Understanding public policy, Pearson Education ,New Delhi: 2017.15th ed.
- Endley K.K., Sundram K.P.M, Aggarwal R.C. ; Lok Arthsastraevam Lok Vitt ;Ratan Prakashan Mandir
- Gerston, L.N. Public policymaking in a democratic society: A guide to civic engagement. DC: Routledge ,Wahington. 2014.
- Ghosh Amber, Ghosh Chandana ;Public Finance; PHI Learning Private limited.2014
- Gupta Janak Raj :Public Economics in India: Theory and Practice, Atlantic Publisher .2007.
- Gupta, D. K.. Analyzing public policy: Concepts, tools, and techniques. Sage. Hill London.2010.
- HajelaT.N. :Rajaswake Siddhant ,Ane Books.2010.
- Jha, R. :Modern Public Economics, Routledge, London. 1998.

- Kennedy M Maria John : Public Finance ,PHI Learning Private Limited ,2012
- LekhiR.K. ;lokvitt ;Kalyani Publishers.Ludhiana
- Musgrave, R.A. and Musgrave P.B. :Public Finance in Theory and Practice,Tata McGraw Hill.(2008),9th Edition
- PanthJ.C. :Rajasav ,Lakshmi Narayan 2012. 16<sup>th</sup> Edition
- Salvatore Domnick.Principles of Microeconomics. Oxford university Press,5<sup>th</sup> Edition
- Sapru, R. K. Public policy: Formulation, implementation and evaluation. Sterling , New Delhi: 2013.
- Singh S.K.: Public Finance ;SChand.New Delhi.

Suggested Continuous Evaluation Methods: Internal Assessment of 25 marks shall be divided into 10 marks for Assignment based presentation + 15 marks for written test comprising MCQs (Four MCQs of one mark each, all compulsory), short answer (Three of 3 marks each of which 2 to be attempted) and long answer type questions (Two question to be given of which one needs to be given, each of the two of 5 marks)

Suggested equivalent online courses: UGC-e-PG Pathshala of the Ministry of Human Resource Development, Government of India Programme like Swayam, or any Programme run by the Government of Uttar Pradesh etc.

**M A I Year, Sem. II  
(Core)**

Programme/Class: Post Graduate/ MA	Year: I	Semester: II
Course Code: A080801T	Course Title: <b>Macroeconomic Analysis</b>	
<p><b>Course Outcome:</b></p> <ul style="list-style-type: none"> <li>● The students are equipped with the understanding of the nature and techniques of various macroeconomic concepts so as to understand the economy at a macro level.</li> <li>● The students learn and understand the various concepts of national income like GDP, GNP, NNP, NDP etc. along with methods of measuring national income, determination of income and expenditure in a three and four sector model, the concept of social accounting and measures of Economic Welfare.</li> <li>● The students get a proper understanding of macroeconomic theoretical structure for the proper comprehension of different issues and policies.</li> <li>● The students learn and understand the theory of consumption function, its implications and empirical evidences based on it.</li> <li>● The students learn and analyze the concept of investment function and its various determinants and influence of policy behavior on investment.</li> <li>● To understand various components of money supply, RBI approach to money supply, high powered money and analyze the role of fiscal and monetary multipliers in determining national income of an economy</li> <li>● To understand and comprehend the various theories of inflation, policies to control inflation, concept of inflation targeting and its application along with the implication of Phillips curve and the application of rational expectations approach</li> <li>● To comprehend the various approaches to the post Keynesian demand for money approaches and their implications on the economy at the macro level</li> <li>● To equip with the understanding of the neo Classical , Keynesian and modern views on interest rate and analyze the real effectiveness of monetary and fiscal policies</li> <li>● Students are able to analyze different theories of trade cycle, understand the impact of cyclical fluctuation on the growth of business, and lay the relative efficacy of monetary and fiscal policies in controlling business cycles.</li> <li>● The students are able to make their empirical analysis with the systematic facts along with the latest development in the field.</li> </ul>		
Credits: 5	Core Compulsory	
Max. Marks: 25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 6-0-0		

Unit	Topics	No. of Lectures
I	<b>Nature &amp; Technique of Macro-economics:</b> meaning and significance of Macro economics, Macro-Statics & Macro-dynamics; National Income: Concepts and Measurement, Income determination in three and four sector model; Social Accounting- Concept and Techniques, Net Economic Welfare (NEW), Measures of Economic Welfare (MEW).	12
II	<b>Micro-Foundations of Macroeconomic Relationships:</b> Consumption Analysis: Theories of Consumption Function- absolute, relative, permanent income hypothesis, life cycle theory of consumption; Factors affecting consumption. Investment Function— Neoclassical and Keynesian versions, Determinants of Investment, Concept of MEC	15
III	<b>Supply of Money:</b> RBI Approach to money Supply, High Powered Money and Money Multiplier; Inflation targeting, Theories of Inflation: Structuralist and Monetarist theories to inflation, Inflation targeting, Phillips Curve Analysis, Samuelson and Solow – natural rate of unemployment hypothesis, Rational Expectations, Lucas Critique	12
IV	<b>Post Keynesian Demand for Money:</b> Patinkin and The Real Balance Effect, Approaches of Baumol and Tobin, Friedman and the Quantity theory of Money, Crisis in Keynesian Economics and revival of Monetarism	12
V	<b>Theories of Interest Rate Determination:</b> Neo Classical and Keynesian views, IS-LM Model, Extension of IS-LM Model to government sector, Relative effectiveness of monetary and fiscal policies,	12
VI	<b>Theories of Business Cycle:</b> Kaldor, Samuelson, Hicks, Relative efficacy of Monetary and Fiscal policies in controlling business cycles. <b>Open Economy Macroeconomics:</b> Mundell- Fleming model under Fixed and Flexible exchange rates-	12
<b>Suggested Readings:</b> <ul style="list-style-type: none"> <li>❖ Shapiro, E. 2005. Macroeconomic Analysis (5th Edition). Galgotia Publications. New Delhi. 5</li> <li>❖ Froyen R. T. 2005. Macroeconomics (7th Edition). Pearson Education. Delhi</li> <li>❖ Dornbusch, Fischer, Stratz 2004. Macroeconomics, (9th Edition). Tata McGraw-Hill. New Delhi .</li> <li>❖ Mankiw, N. G. 2006. Macroeconomics, (5th Edition), Worth Publications. New York.</li> <li>❖ Carlin, W. and Soskice, D. 2007. Macroeconomics (Indian Edition)</li> <li>❖ Levacic, R. and Reberman, A. 1982. Macroeconomics- An Introduction to Keynesian Neoclassical Controversies, (2nd Edition), MacMillan, London.</li> </ul>		

- ❖ Hall, R. E. and Taylor, J. B. 1997. Macroeconomics (5th Edition), W.W. Norton and Company. New York/ London.
- ❖ Sebold, V. Macroeconomic Models and Policy. WIE Wiley.
- ❖ Hajela, T.N. Macroeconomic Theory, Ane Books Pvt. Ltd. Delhi
- ❖ Ahuja, H.L. Advanced Macroeconomic Theory, S. Chand Publications, New Delhi
- ❖ Ackley.G (1976) : Macroeconomics: Theory And Policy, Macmillan, New York.
- ❖ Ahuja,H.L (2012) : Macroeconomics: Theory and Policy , S. Chand & Company, New Delhi.
- ❖ Ahuja,H.L (2012) : Samasti Arthshastra , S. Chand & Company, New Delhi.
- ❖ Lal,S.N (2012 ) : SamastibhaviVisleshan , Shiva Publishing House,Allahabad.
- ❖ Branson,W.A (1989) : Macroeconomics Theory And Policy, Harper & Row.
- ❖ D.L (1969) : Advanced Macroeconomics, McGraw Hill, New York.
- ❖ Dornbusch, Rudiger&Startz, Richard (2012): Macroeconomics , Tata McGraw Hill Education.
- ❖ Dwivedi,D.N (2010) : Macroeconomics: Theory and Policy , Tata McGraw Hill Education.
- ❖ Gupta,R.D.& Rana,A.S (2009) : Keynes post-Keynesian Economics , Kalyani Publishers, New Delhi & Ludhiana.
- ❖ Hansen,A.H (1953) : A Guide To Keynes, McGraw Hill.
- ❖ Jhingan, M.L (2010): Macroeconomics , Vrinda Publications, New Delhi.
- ❖ Jhingan, M.L (2012) :Samasti Arthashastra , Vrinda Publications, New Delhi.
- ❖ Shapiro, Edward (2005): Macroeconomic Analysis, Galgotia Publications, New Delhi.
- ❖ Sikdar,Saumyen (2011) : Principles of Macroeconomics , Oxford University Press, New Delhi.
- ❖ Surrey,M.J.C(1976):Macroeconomic Themes, Oxford University Press.

**Suggested Continuous Evaluation Methods:**

Internal Assessment of 25 marks shall be divided into 10 marks for Assignment based presentation + 15 marks for written test comprising MCQs (Four MCQs of one mark each, all compulsory), short answer (Three of 3 marks each of which 2 to be attempted) and long answer type questions (Two question to be given of which one needs to be given, each of the two of 5 marks). Suggested equivalent online : UGC-e-PG Pathshala of the Ministry of Human Resource Development, Government of India Programme like Swayam, or any Programme run by the Government of Uttar Pradesh etc.

Suggested equivalent online courses: UGC-e-PG Pathshala of the Ministry of Human Resource Development, Government of India Programme like Swayam, or any Programme run by the Government of Uttar Pradesh etc.

**M.A I Year Sem. II  
(Core)**

Programme/Class M.A.	Year: I	Semester: II
Subject: Economics		
Course Code: A080802T	<b>Course Title: International Economics</b>	
<p>Course outcomes: <b>Through this course students should be able to</b></p> <ul style="list-style-type: none"> <li>● Identify and analyze policy problems in International trade.</li> <li>● Distinguish between National and International trade</li> <li>● Analyze the different theories of International Trade</li> <li>● Understand free flow of trade in goods, services and capital both short-term and long-term at the global level</li> <li>● The study of the present era of globalization will train the students about the likely consequences on income, employment and social standards and possible policy solutions.</li> <li>● Understand foreign exchange market.</li> <li>● Understand the mechanism of foreign trade and Balance of payments.</li> <li>● Students are able to understand and analyse FDI and its relevance in developing economies.</li> <li>● Get an insight into the international organizations related to international trade</li> </ul>		
Credits: 5	Core Compulsory	
Max. Marks: 25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0		
<b>Unit</b>		<b>No. of Lectures</b>
<b>I</b>	<b>International Economics:</b> Importance, Subject Matter, Distinguishing features of Internal and International trade, The basis of International Trade; Mercantilism, Classical Theories of International Trade – Theory of Absolute Advantage, Comparative Cost Advantage Theory, Opportunity Cost Theory, Reciprocal Demand Theory, Heckscher-Ohlin Model, The Leontief Paradox, Factor Price Equalization theory.	15

II	<b>Gains from Trade:</b> Gains from Trade; Meaning and Types, Factors determining gains from trade; Terms of Trade - Meaning, types and factors affecting terms of trade, Secular deterioration of terms of trade; Free Trade versus Protection, Tariff, Quotas and Non-Tariff Barriers, Economic effects of tariffs and Quotas, Customs Union.	12
III	<b>Economic Growth and International Trade-</b> Trade as an engine of economic growth, Production effect, consumption Effect; Technical Progress and International Trade; Technological Gap Model, Trade Liberalization: Need and Objectives; Liberalization experience of developing countries with special reference to India, Theory of Immiserising Growth.	12
IV	<b>The Foreign Exchange:</b> Concept, Instruments; Exchange Rate Determination - Mint Par Parity Theory, Purchasing power parity Theory and balance of payment theory; Fixed versus Flexible exchange rates; Fluctuations in exchange rates causes and consequences; Convertibility of Rupee in Current and Capital Account, Exchange Control.	12
V	<b>Balance of Payment:</b> Meaning and components of balance, of payments, Equilibrium and disequilibrium in the balance of payments; Devaluation and Balance of Payments, Monetary approach to the theory of balance of payments adjustment: Forms of Economic Cooperation; SAARC, ASEAN, EU, IBSA, BRICS, South - South Economic Co-Operation, North - South Economic Co-Operation.	12
VI	FDI: types & issues, International Financial Institutions: WTO/GATT, UNCTAD, IMF, World Bank & Asian Development Bank, India's trade policy: Recent Developments, India's Foreign Trade: Structure, Volume, Trends, Composition, Direction, etc., Ease of doing business: concept and performance of India.	12
<p><b>Suggested Readings:</b></p> <ul style="list-style-type: none"> <li>● Bhagwati. J ,International trade, Cambridge University Press. London . (, 1981),</li> <li>● Bhatia,H.L:International Economics, Vikash Publishing House.(2006)</li> <li>● Cherunilam, F.: International Economics, The Tata McGraw-Hill Companies, New Delhi.(2008): 5th Edition</li> <li>● Dewett K.K. and Navalur M.H.: Modern Economic Theory. S Chand &amp; company Ltd. New Delhi.(2010)</li> </ul>		

- Jhingan, M.L: Antarrashtriya Arthashastra, Vrinda Publications, New Delhi.(2011).
- Meade, James Edward A Geometry of International Trade, George Allen and Unwin Ltd., London.(1952).
- Mishra, S.K. and Puri, V.K. ;Indian Economy- Its Development Experience, Himalaya Publishing House. 30th Revised Ed.(2012),
- Panchmukhi, V.R.; Trade Policies of India–A Quantitative Analysis, Concept Publishing Company, New Delhi. (1978),
- Patel, S. J. Indian Economy Towards the 21st Century, University Press Ltd., India.(1995),
- Raj Kumar: International Economics ,Excel Book.(2008)
- Rajat Acharya: International Economics: An Introduction to Theory and Policy, Oxford University Press.(2013)
- Roy, P.N.: International Trade Theory and Practice, Wiley Eastern Ltd, New Delhi.(1986.)
- Salvator, D L: International Economics, Prentice Hall, Upper Saddle River, New York. (2001)
- Sinha, V.C., Sinha, Pushpa & Sinha, Vivek: Antarrastriya Vyapar Evam Vitt, Mayur Publications.(2011)
- Soderston, Bo.: International Economics, The Macmillan Press Ltd. London.(1999)

Suggested Continuous Evaluation Methods: Internal Assessment of 25 marks shall be divided into 10 marks for Assignment based presentation + 15 marks for written test comprising MCQs (Four MCQs of one mark each, all compulsory), short answer (Three of 3 marks each of which 2 to be attempted) and long answer type questions (Two question to be given of which one needs to be given, each of the two of 5 marks)

Suggested equivalent online courses: UGC-e-PG Pathshala of the Ministry of Human Resource Development, Government of India Programme like Swayam, or any Programme run by the Government of Uttar Pradesh etc.

**M A I Year, Sem. II  
(Core)**

Programme/Class: M A Economics		Year: I	Semester: II
Subject: Economics			
Course Code: A080803T		<b>Course Title: Contemporary Issues in Indian Economy</b>	
<b>Course outcomes:</b>			
<ul style="list-style-type: none"> <li>❖ The course on Indian Economy examines issues relating to the evolution and performance of all aspects of the Indian economy.</li> <li>❖ This course delves into the historical journey of the Indian economy, tracing its development from its roots to its current complex structure.</li> <li>❖ It will prepare the students to analyze all aspects of the Indian economy, from agriculture and industry to services and international trade.</li> <li>❖ This comprehensive course equips the students with a thorough understanding of the key issues and trends shaping India's economic landscape.</li> <li>❖ This course will enable the students to critically analyze current economic events in India.</li> <li>❖ The course is fairly exhaustive and is useful for increasing the general awareness of students on issues affecting the Indian Economy.</li> </ul>			
Credits:5		Core Compulsory	
Max. Marks:25+75		Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week):L-T-P:6-0-0			
Unit	Topics		No. of Lectures
<b>I</b>	India Pre & Post Economic Reforms in Retrospect. India & the World Trade Organisation -Role, Issues & Challenges.		12
<b>II</b>	Industrial Development & Policy. Industrial Policy in Pre-Reform Period. New economic Policy (1991). National Manufacturing Policy (2011). Mission. Khadi & Village Industries: issues, Challenges and Relevance.  Emergence of Indian Services & Manufacturing at the Global Level.		12
<b>III</b>	Contemporary Issues: Black Money & Demonetization: its impact on Indian Economy. ICT application in the effective management of the Indian Economy. Fiscal Reforms. Inclusive Growth & Financial Inclusion.  Make in India, Startup India, Skill India, Digital India, Mudra Scheme, Smart City & Atal Innovation		15
<b>IV</b>	Human Development Index: Concept, Measurement & India's position vis-à-vis other nations. Hunger: Concept & India's position in the Global Hunger Index-A Critical Analysis.		12

V	Indian Agriculture in Retrospect. Agriculture Price Policy in India. Pricing of the Agricultural Products by CACP. Determination of Minimum Support Price (MSP). Food Subsidy. Current issues in agricultural marketing & finance.	12
VI	Black Money & Demonetization: its impact on Indian Economy. ICT application in the effective management of the Indian Economy. Fiscal Reforms. Inclusive Growth & Financial Inclusion. Economies. Emergence of Indian Economy in the decade 2014-23. Indian Economy vis-à-vis the contemporary Global Economies. Prime Minister's Panchpran of Amrit Kaal and the Indian Economy	12
<p><b>Suggested Readings:</b></p> <ul style="list-style-type: none"> <li>❖ Agarwal, M.K. and A.N Agarwal(2014): Indian Economy-Problems of Development and Planning. New Age International Private Limited</li> <li>❖ Dutt, Rudra &amp; Sundaram: Indian Economy</li> <li>❖ Gupta, Sachin (2020): Make in India or Trade in India.</li> <li>❖ Kapila, Uma (2022): Indian Economy-Performance and Policies. Academic Foundation.</li> <li>❖ Mahajan, Madhur.M.(2020): Indian Economy. Pearson</li> <li>❖ Puri , V.K &amp; S K Mishra (2022) : India Economy. Himalaya Publishing House.</li> <li>❖ Roy, Tirthankar (2020): The Economic History of India, 1857-2010. OUP India. ISBN-10-0190128291, ISBN-13-978-0190128296</li> <li>❖ Srirangam, Sriram (2022): Indian Economy. Pearson.</li>   <li>❖ Agarwal, M.K. (2022): Development Issues in Uttar Pradesh, Northern Book Centre, New Delhi</li>   <li>❖ Agarwal M.K. (2022): Modi Empowers Development, Sultan Chand and Sons, New Delhi</li> </ul>		
<p>Suggested Continuous Evaluation Methods: : Internal Assessment of 25 marks shall be divided into 10 marks for Assignment based presentation + 15 marks for written test comprising MCQs (Four MCQs of one mark each, all compulsory), short answer (Three of 3 marks each of which 2 to be attempted) and long answer type questions (Two question to be given of which one needs to be given, each of the two of 5 marks).....</p>		
<p>Suggested equivalent online courses: UGC-e-PG Pathshala of the Ministry of Human Resource Development, Government of India Programme like Swayam, or any Programme run by the Government of Uttar Pradesh etc.</p>		

**M.A I Year, Sem. II  
(Theory) Elective**

Programme/Class: M .A.	Year: I	Semester: II
Subject: Economics		
Course Code: A080804T	<b>Course Title: Economics of Industry</b>	
<b>Course outcomes: Through this course students should be able to:</b> <ul style="list-style-type: none"> <li>❖ Acquire the knowledge about the structure and types and challenges of Industries.</li> <li>❖ Importance of industrial growth and industrial policies in India.</li> <li>❖ Get an insight into recent trends In Industrial sector.</li> <li>❖ Understand the structure of Industrial Labour in India.</li> <li>❖ Attain the knowledge of industrial and Labour productivity</li> <li>❖ Get an Insight of recent trends in the Industrial sector.</li> </ul>		
Credits: 5	Elective	
Max. Marks: 25+75	Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0		
<b>Unit</b>		<b>No. of Lectures</b>
<b>I</b>	<b>Introduction:</b> Classification of business activities, Meaning, Need, and Significance of Industrial Economics.Types of firm, size and growth of the firm.Industrial organization and ownership structure., Public Sector, Private and Joint sector. Large and Small Scale Industries.	12
<b>II</b>	<b>Industrial location:</b> Factors Affecting Location of Industries, Theories of Location:Alfred Weber, Sergeant Florence, Determinants of Location. Diversification and integration of industrial units. Location of industries in India.	12

<b>III</b>	<b>Industrial Productivity, Efficiency and capacity Utilization:</b> Factors affecting industrial productivity Productivity and its measurement, Mergers and Acquisition, Theory of technological innovation. Industrial efficiency: concept and determinants.	12
<b>IV</b>	<b>Industrial Finance:</b> Need, types and Sources of Industrial Finance- owned external and components of funds, Nature, volume and types. Financial Statements, Cost benefit analysis. Investment decision : nature and types of investment decision.	12
<b>V</b>	<b>Structure of Industrial Labour in India:</b> Industrial relations and industrial disputes. Labour welfare in India, Social security in India problem of wages and bonus. Labour Productivity; Concept of Labour, Empirical Analysis of Labour Productivity.	12
<b>VI</b>	<b>Industrialization and issues related to Indian Industries:</b> Industrial policies, Small scale industries: definition, issues and Performance. Problems and policies related to MSME, Ease of Doing Business, Disinvestment, Types of Disinvestment, Industrial Sickness,	15

**Suggested Readings:**

- ❖ Ahluwalia, I. J.: Productivity and Growth in Indian Manufacturing, Oxford University Press, New Delhi. 1991.
- ❖ Ahluwalia, I. J. :Industrial Growth in India - Stagnation since Mid-sixties, Oxford University Press, New Delhi. 1985.
- ❖ Barthwal RR. :Industrial Economics. An Introductory text book ,New Age International Publishers. New Delhi. 2004. 2<sup>nd</sup> edition.
- ❖ Bhatia H.L.;Public finance ;Vikas Publishing House.2018. 29<sup>th</sup> Edition
- ❖ Cherumilaum F. :Industrial Economy of India .Himalaya Publishing house, New Delhi.
- ❖ Ferguson, Paul R. and Glenys J. Ferguson: Industrial Economics - Issues and Perspectives, Macmillan, London. 1994.
- ❖ Gupta Shivbhusan: Industrial Economics(in Hindi).Sahitya Bhawan Publication.
- ❖ Kulshrestha, R.S. : Industrial Economics ,Sahitya Bhawan Publication.
- ❖ Mishra Ranjan: Industrial Economics and Management Principles, Laxmi Publication . New Delhi.2008
- ❖ Seth Ranjana :Industrial Economics ,Ane Books ,New Delhi. 2010.
- ❖ Sinha V,C. :AudhyogicArthshastra.Lok Bharti Prakashan .2009
- ❖ Srivastava, M.P. :Problems of Accountability of Public Enterprises in India, Uppal Publishing House, New Delhi.1987.
- ❖ Staley, E & Morse R.: Modern Small Industry for Developing Countries, McGraw Hill Book Company. 1965.
- ❖ Tirole, J. : The Theory of Industrial Organization, Prentice - Hall. 1996.
- ❖ Vepa R. K. :Modern Small Industry in India, Sage Publications. 1988.

**M.A I Year, Sem.(Theory) ELECTIVE**

Programme/Class: MA Economics	Year: I	Semester: II
Subject: Economics		
Course Code:A080805T	<b>Course Title: Resource Economics</b>	
<b>LEARNING OUTCOMES</b>		
As a result of taking Resource Economics, students will be able to:		
<ul style="list-style-type: none"> <li>❖ Students will come to know about the concept and idea of Resource Economics</li> <li>❖ Students will learn to design regulation which corrects market failure and they will learn how to regulate pollutants that travel across country boundaries.</li> <li>❖ The students will learn about Environmental impact assessment and how environmental regulations affect trade flows.</li> <li>❖ They will understand the views of people with diverse perspectives on issues related to economics and natural resource economics.</li> <li>❖ Analyze and explain the intuition and logic behind theories and concepts of sustainability from the perspective of economics and natural resource economics.</li> </ul>		
Credits:5	Elective	
Max. Marks:25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week):L-T-P:6 -0-0		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>I</b>	Introduction to Resource Economics. The theory of Externality and Public Goods: Concepts, Market failure, Pigouvian Solution, Buchanan's Theory, Coase theorem and its critique, Pigouvian vs. Coasian solution; Detrimental externality and non-convexities in the production set.	12
<b>II</b>	Property rights; Collective action. Measurement of Environmental Values: Use values; Option value and non-use values. Techniques of Valuation: Market and Non- Market Valuation: Physical linkage methods; Abatement Cost Methods; Behaviour Linkage Method-Revealed and stated preference; Social Cost benefit Analysis.	12
<b>III</b>	Environmental impact assessment: Hedonic property values and household production models (Travel cost method and household health production function). Methods based response to hypothetical Markets, Contingent Valuation Methods.	12
<b>IV</b>	Environmental and Natural resource policy and strategies, Evolution of Environmental Policy, Economics of Environmental Policy Protection, Conservation Policy Instruments; Pigouvian Tax and	12

	Subsidies, Tradable permits and fees, Price vs. Quantity instruments, Mixed instruments, Monitoring and Enforcement Issues, India's Environmental Policy and Performance, International Environmental Policy, Environmental Planning and Management	
V	Population and Environment, Poverty and Environment, Trade and environment in the WTO regime, Eco- labeling, Economics of climate change, Causes and Consequences of Ozone depletion and climate change. Rio and other than Rio Conference, Protocols and Treaties relating to climate change and Environmental degradation, Ozone depletion and Biodiversity. Forest Resource, Forest Management and Policy, Fisheries, Water Economics, Water and Groundwater Policy.	12
VI	Optimal Decision-Making, Dynamically Optimal Decision-Making Over Time, Property Rights and Land, Non-renewable Resources, Dynamically Optimal Non-renewable Resource Extraction, Monopoly Production of Non-renewable Resources. Resource Markets, Demand, Supply, and Scarcity, Sustainability.	15
<p><b>Suggested Readings:</b></p> <ul style="list-style-type: none"> <li>❖ C.D.Kolstad:EnvironmentalEconomics</li> <li>❖ R.N.Bhattacharya:EnvironmentalEconomics</li> <li>❖ U. Sankar:EnvironmentalEconomics</li> <li>❖ N.Hanley,Shogren,B.White:IntroductiontoEnvironmentalEconomics</li> <li>❖ HaabandWhitehead:EnvironmentalandNaturalresorceconomics</li> <li>❖ Haband Huang:PreferencedataforEnvironmentalvaluation</li> <li>❖ TomTietenbergandLynneLewis:EnvironmentalandNaturalResourceEconomics</li> <li>❖ David.A.Anderson:EnvironmentalEconomicsandNaturalResource</li> <li>❖ DowntoEarth,ScienceandEnvironmentFortnightly</li> <li>❖ EconomicandPoliticalWeekly</li> </ul>		
<p>Suggested Continuous Evaluation Methods: Internal Assessment of 25 marks shall be divided into 10 marks for Assignment based presentation + 15 marks for written test comprising MCQs (Four MCQs of one mark each, all compulsory), short answer (Three of 3 marks each of which 2 to be attempted) and long answer type questions (Two question to be given of which one needs to be given, each of the two of 5 marks).</p>		
<p>Suggested Equivalent Online Courses: UGC-e-PG Pathshala of the Ministry of Human Resource Development, Government of India Programme like Swayam, or any Programme run by the Government of Uttar Pradesh etc.</p>		

**M A II Year, Sem. III  
(Core)**

Programme/Class M.A.	Year: II	Semester: III
Subject: Economics		
Course Code: ECO301	<b>Course Title: Economics of Growth and Development</b>	
<p><b>Course outcomes:</b></p> <ul style="list-style-type: none"> <li>❖ The goal of this course is to provide students with the essential tools and concepts of development economics.</li> <li>❖ To prepare them to understand what makes underdevelopment persist and what helps development succeed.</li> <li>❖ To enable the students to explore diverse dimensions and measures of development, as well as the application of microeconomic analysis to issues of development in poor countries, including the study of household decisions and the analysis of institutions and norms influencing development.</li> <li>❖ The goal of this course is to provide students with the essential tools and concepts of development economics.</li> <li>❖ To prepare them to understand what makes underdevelopment persist and what helps development succeed.</li> <li>❖ To enable the students to explore diverse dimensions and measures of development, as well as the application of microeconomic analysis to issues of development in poor countries, including the study of household decisions and the analysis of institutions and norms influencing development.</li> </ul>		
Credits: 5	Core Compulsory	
Max. Marks: 25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0		
<b>Unit</b>		<b>No. of Lectures</b>
<b>I</b>	Meaning and Measurement of Economic Growth and Development - Measuring Development and Development Gap - Per Capita Income, Inequality of Income, PQLI, HDI and MDGs. Development and Sustainability: Traditional View and Modern View. Development & Underdevelopment: an Overview. The Characteristics and Explanations of Underdevelopment. Vicious Circle of Poverty, Circular Causation.	12

<b>II</b>	Dualism-Social, Technological, Financial, Organizational. Capability Approach: Functioning and capabilities as doings and beings, capabilities as real freedoms, conversion factors, the means-ends distinction, selecting and aggregating of capabilities.	12
<b>III</b>	Theory of Demographic Transition, Population as Limits to Growth and as Ultimate Source Indicators and Measurement of Poverty.  The Concept of Inclusive Growth-with Reference to India. Market Failure and Government Failure, Food Security. Social Sector Development: Health, Education, Gender and Nutrition, Gender and Development.	12
<b>IV</b>	Classical Theory(Smith, Ricardo, Malthus, Mill). Karl Marx and Development of Capitalistic Economy, Crisis in Capitalism–Schumpeter and Capitalistic Development, Myrdal’s Backwash and Spread Effects.	12
<b>V</b>	Growth Theories: Rostow Theory of Stages of Growth, Technology and Economic Growth.Harrod-Domar-InstabilityofEquilibrium:NeoClassicalGrowthModels–Solow.GrowthModelsof Kaldor	12
<b>VI</b>	Models of Technical Progress, Embodied and Disembodied Technical Progress, Neutral Technical Progress-Hicks, Harrod, Solow, Kaldor, Mirrlees Technical Progress Function, Arrow’s Learning by Doing Approach to Economic Growth, Total Factor Productivity	15

**M.  
A**

**Suggested Readings:**

- ❖ Ahuja, H.L (2016): Development Economics. S. Chand and Company. ISBN-10- 9385676474
- ❖ Ghatak,S.,AnIntroductiontoDevelopmentEconomics.AllenandUnwinLondon,latest edition.
- ❖ Hayami,Jujiro and Yoshihisa Godo : Development Economics.Oxford University Press
- ❖ Hendrik Van Den Berg, Economic Growth and Development, McGraw-Hill InternationalEdition,2005.
- ❖ Meier,G.M.,LeadingIssues in EconomicsDevelopment, Oxford UniversityPress, NewDelhi,Latest Edition.
- ❖ Mukherjee ,Aparajita ,Saumya Chakrabarti : Development Economics-A Critical Perspective. PHI Learning.
- ❖ Thirlwall, A.P. and Penélope Pacheco-López (2017): Economics of Development-Theory and Evidence  
Todaro,Michael.P &Smith,Stephen.C(2011):EconomicDevelopment,Pearson.

Suggested Continuous Evaluation Methods: Internal Assessment of 25 marks shall be divided into 10 marks for Assignment based presentation + 15 marks for written test comprising MCQs (Four MCQs of one mark each, all compulsory), short answer (Three of 3 marks each of which 2 to be attempted) and long answer type questions (Two question to be given of which one needs to be given, each of the two of 5 marks)

**M.A II Year, Sem. III  
(Core)**

Programme/Class MA Economics	Year: II	Semester: III
Subject: Economics		
Course Code: ECO302	<b>Course Title: Mathematical Methods for Economic Analysis</b>	
<p><b>Course outcomes:</b> The objective of this paper is</p> <ul style="list-style-type: none"> <li>● To develop a mathematical approach in analysis of economic problems.</li> <li>● It mainly focuses on those mathematical techniques which are directly useful in economic analysis.</li> <li>● All the techniques are explained with examples of economics.</li> </ul>		
Credits:5	Core Compulsory	
Max. Marks:25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week):L-T-P:6 -0-0		
Unit	Topics	No. of Lectures
<b>I</b>	Static Analysis: Economic Models, Concept of Matrix- their types, Simple Operations and Matrices, Determinants and their Basic Properties, Solution of Simultaneous Equation through Cramer's Rule, Matrix Inversion and Transpose, Rank of Matrix.	15
<b>II</b>	Elementary Trigonometry and Coordinate Geometry: Elements of Trigonometry and Coordinate Geometry; Trigonometric functions and identities. Two – dimensional coordinates; Plotting of curves; Straight line; Parabola and Hyperbola.	12
<b>III</b>	Differential Calculus : First order derivative and its application in Economics; Slope and elasticity of demand, Determination of Marginal revenue, marginal cost and marginal product; Second order derivative and its application in Economics; Point of inflexion, concavity and convexity of curve	12
<b>IV</b>	Partial and Total Differentiation: Determination of Partial Derivatives of first and higher order, Young's Theorem, Application of Partial Differentiation in Economics, Constrained Optimization, Determination of Total Derivatives and its Application in Economics	12
<b>V</b>	Dynamic Analysis: Dynamics and Integration, Definite and Indefinite Integration, Applications – Measuring Consumer and Producer Surplus, Difference and Differential Equations.	12

<b>VI</b>	Optimization Problems: Unconstrained Optimization, Constrained Optimization with Equality Constraints, Lagrangian Methods; Application- Utility Maximization, Cost Minimization, Profit-Output Maximization; Linear Programming Problems – Constrained Optimization with Inequality and Non-Negativity Constraints; Input and Output Analysis.	12
<p><b>Suggested Readings:</b></p> <ul style="list-style-type: none"> <li>❖ Allen, R.G.D. (1967): Mathematical Analysis for Economists, Macmillan.</li> <li>❖ Baumol, W.J. (1970): Economic Dynamics, Macmillan, London.</li> <li>❖ Baumol, W.J. (1984), Economic Theory and Operational Analysis, Prentice Hall.</li> <li>❖ Black, J and J.K. Bradley (1973), Essential Mathematics for Economists, John Wiley and McGraw Hill, NY</li> <li>❖ Budnick, F.S.(1993): Applied Mathematics for Business, Economics and Social Sciences.</li> <li>❖ Chiang, A.C. (1986), Fundamental Methods of Mathematical Economic, Megraw Hill, New York.</li> <li>❖ Dorfman, Samuelson and Solow (1958): Linear Programming and Economic Analysis, Englewood Cliffs, New Jersey.</li> <li>❖ Hadley, GC. (1962), Linear Programming, Addison Wesley Publishing Co. Massachusetts.</li> <li>❖ Handry, A.T.(1999); Operation Research, Prentice Hall, ND. · Henderson (2003): Microeconomic Theory- A Mathematical Approach (3a), McGraw Hill.</li> <li>❖ Hoy, Livernois, Mckenna, Rees and Stengos (2004): Mathematics for Economics, Prentice Hall, ND.</li> <li>❖ Kothari, C.R. (1992) An Introduction to Mathematical Finance, Cambridge University</li> <li>❖ Nicholson, R.H.(1986): Mathematics for Business and Economics, McGraw Hill, NY.</li> <li>❖ Samuelson, P.A.(2005): Micro Economics (18e), McGraw Hill, International Edition.</li> <li>❖ Simon C.P. and Blunie, L (1994) Mathematics for Economists, W.W. Norton &amp; Company Sons.</li> <li>❖ Sydsaeter, Knut and Hammond, Peter J.(1995) Mathematics for Economic Analysis, Pearson Education Asia.</li> <li>❖ Taha, H.A. (1998): Operational Research: An Introduction (7e), Prentice Hall, ND</li> <li>❖ Takayama, A. (1974): Mathematical Economics, Dryden Press, Hinsdale, III.</li> <li>❖ Vygodsky, G.S.(1971), Mathematical Handbook (Higher Mathematics), Mir Publishers,</li> <li>❖ Yamane Taro, (1975), Mathematics for Economists, Prentice Hall of India, New Delhi</li> </ul>		
<p>Suggested Continuous Evaluation Methods: Internal Assessment of 25 marks shall be divided into 10 marks for Assignment based presentation + 15 marks for written test comprising MCQs (Four MCQs of one mark each, all compulsory), short answer (Three of 3 marks each of which 2 to be attempted) and long answer type questions (Two question to be given of which one needs to be given, each of the two of 5 marks.</p>		
<p>Suggestedequivalentonlinecourses: UGC-e-PG Pathshala of the Ministry of Human Resource Development, Government of India Programme like Swayam, or any Programme run by the Government of Uttar Pradesh etc.</p>		

**M.A II Year, Sem. III  
(Theory) Elective**

Programme/Class MA Economics	Year: II	Semester: III
Subject: Economics		
Course Code: ECO303	Course Title: <b>Monetary Economics</b>	
<b>Course outcomes:</b> <ul style="list-style-type: none"> <li>● Taking in to account to the fast development of Indian financial sector and increasing role of monetary policy,</li> <li>● This paper aims to generate theoretical and applied understanding of monetary economics.</li> <li>● This paper will enable the students to learn the role and functions of Commercial banks and Central Banks.</li> <li>● The students will learn about the NBFIs and cooperative banks</li> <li>● The students will be able to know about the financial markets and their role.</li> </ul>		
Credits:5	Elective	
Max. Marks:25+75	Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P:6 -0-0		
Unit	Topics	No. of Lectures
<b>I</b>	Measures of Money Supply: Old Compilation, new compilation, Theories of the money demand – Portfolio demand for money, Theories of the money supply – H theory; Money Multiplier Process, Factors affecting H, Adjusted H Transmission mechanism of monetary policy – interest rate, exchange rate, price and output	12
<b>II</b>	Theories of inflation determination – Analysis of structural rigidities and monetary factors, Theories of interest rate determination– Classical, Neo-Classical, Keynesian , Modern Theory, assessment of real vs monetary factors	12
<b>III</b>	Commercial Banks – structure, classification, and evaluation, Process of Credit Creation, Leakages of Credit Creation Cooperative banks – structure, classification and evaluation, PACs, PCBs Development banks: All Indian Development Banks, State Level Industrial Development Banks, EXIM	12

	Bank, NABARD, Land Development Banks Non-Bank Financial Intermediaries - Definition and types of non-bank financial institutions: LIC, GIC, Provident/Pension Funds,	
IV	Central Bank – Structure and Functions; Role of Central Bank in controlling credit: Quantitative and Qualitative Measures, Reserve Bank of India: Controller of money Supply and Credit, Exchange Management and Control, RBIs Promotional role	12
V	Financial markets – Role and structure of money and capital market, money market- call money market, Treasury bill market, commercial bill market; Government securities market – development of primary and secondary market; Markets for derivatives - futures and option, SEBI; The impact on the working capital market in India, Foreign Exchange Market.	12
VI	The Aims and objectives of monetary policy in developed and developing countries, Instruments of Monetary policy – Credit creation and the control; Monetary- credit policy of the Reserve Bank of India	12

**Suggested Readings:**

- Bhole, L.M. (2000), Indian Financial System – Chung Publications, Allahabad.
- Goldsmith, R.W. (1969) Financial Structure and Development, Yale, London.
- Alan A. Rabin(2006), Monetary Theory, Edward Elgar, UK 4. Gupta, S.B. (2002), Monetary Economics, S.Chand& Company, New Delhi.
- Gupta, S.B. (2002), Monetary Economics, S.Chand & Company, New Delhi.
- Sayers,R.J.(1962) Modern Banking, OUP, New Delhi.
- Verma, J.S. (1989); A Manual of Merchant Banking, Bharat Law House, New Delhi.
- Bhatt, R.S.(1996), UTI and Mutual Funds: A study UTI Institute of Capital Market, Mumbai.
- Sahadevan, K.G. and M.T. Thiripalaraju (1997), Mutual Funds, PHI, New Delhi.
- Fisher, D.E. and R.J. Jordan (1992), Security Analysis and Portfolio Management, Estern Economy Edition, New Delhi.
- Wellia, P. (1992), The Theory of Future Markets, Blackwell, Oxford.
- Gupta, L.C.(1999 Ed.), India’s Financial Markets and Institution, Society for Capital Research and Development, Delhi.
- Levi, Maurice D (1996) International Finance: The Markets and Financial Management of Multinational Business Services.

**MA II Year, Sem. III  
(Theory) Elective**

Programme/Class: M .A.	Year: II	Semester: III
Subject: Economics		
Course Code: ECO304	<b>Course Title: Ethics and Economics</b>	
<p><b>Course outcomes: Through this course students should be able to:</b></p> <ul style="list-style-type: none"> <li>● Acquire the knowledge about the Economic Philosophic schools and their central doctrines.</li> <li>● To identify the connection between ethical and economic concepts.</li> <li>● .Know the importance of ethical standards for the market.</li> <li>● Get an insight of Ethics, market and government regulations.</li> <li>● Understand the Social Norms Culture and development.</li> <li>● Attain the knowledge of classical approaches.</li> <li>● Get an Insight of human behavior and</li> <li>● Know about happiness and subjective well-being.</li> </ul>		
Credits: 5	Elective	
Max. Marks: 25+75	Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0		
<b>Unit</b>		<b>No. of Lectures</b>
<b>I</b>	Ethics or moral philosophy, Defining Ethics, Ethical concepts vs. Economic Concepts, Economic Philosophic school and central doctrines: Indian Knowledge System: Kautilya's Arthashastra: a treatise on Statecraft and some other related issues.	12
<b>II</b>	Western Philosophy: Adam Smith as moral philosopher, Utilitarianism: Bentham, John Stuart Mill. The Markets and Smith's invisible hands. Self -Interest vs. greed. Rationalist Morality by Emanuel Kant. Ethical issues and market System.	12

<b>III</b>	Self Interest and welfare economics: Amartya Sen, Welfare, Efficiency and Ethics, Welfare Economics and externalities, What is economic justice, Theories of Justice: Aristotle, John Rawls	12
<b>IV</b>	Self Interest vs. Social Goods Nassal William Senior: Theory of Abstinence and capital formation, Ethics, market and government regulations: Corporate Social Responsibility, Indian Knowledge related to Corporate Governance values and ethics.	12
<b>V</b>	Values and Economics, ethics and integrity, Moral, Social Norms Culture and development, Indian Culture and Economic interface, Code of Conduct, Defining corruption, causes of Corruption, Approaches to reducing Corruption.	12
<b>VI</b>	“The character of Individual so far affects his own happiness.” by Adam Smith. The evidence of happiness, from happiness to subjective well-being. Gross National Happiness Index. Indian Knowledge system in relation to acquiring a state of happiness, Some practical aspects.	15

**Suggested Readings:**

- Teaching the Ethical Foundations in Economics; National Council on Economic Education, New York
- Smith, Adam (2008) The Theory of Moral Sentiments, B.N Publishing.net.
- Arthshastra Kautilya (2000), India Penguin Classics. ISBN: 9780140446036
- Hirata, Johannes (2011), Happiness, Ethics and Economics, Routledge Canada and USA
- Williams, John & Elliott, Larry (2010), Crisis and Recovery Ethics Economics and Justice, Palgrave Macmillan.
- Jain, V.K. & Biyani, Omprakash (2008), Business Ethics and Communication, S Chand, New Delhi.
- Vasisht, Neeru & Rajput, Namita (2010) Corporate Governance Values & Ethics, Taxmann, New Delhi.
- Samuelson, Paul A. & Nordhaus, William D. (2012) Tata McGraw Hill Education Private Limited, New Delhi.
- Sen, Amartya (2001) : On Ethics And Economics, Oxford University Press. *Sen, Amartya (2001) : On Ethics And Economics, Oxford University Press.*
- Dutt, Amitava Krishna & Wilber, Charles K. (2013) : Economics and Ethics: An Introduction, Palgrave MacMillan.
- Backerman, Wilfred (2011) : Economics as Applied Ethics: Value Judgements in Welfare Economics, Palgrave MacMillan.
- Graafland, Johan J. (2009) : Economics, Ethics and the Market: Introduction and Applications, Routledge.
- Sen, A.K. & Williams, B. (1982) : Utilitarianism And Beyond, Cambridge University Press.
- Rawls, John (1971) : Theory Of Justice, Harvard University Press.
- Roemer, John (1982) : Free To Lose, Harvard University Press.
- Sen, Amartya (1999) : Aarthik Vikas Aur Swatantra (Hindi), Neha Publishers & Distributors.

**M.A II Year, Sem. III  
(Theory) Elective**

Programme/Class: M A Economics		Year: II	Semester: III
Subject: Economics			
Course Code: ECO305		<b>Course Title: Labour Economics</b>	
<b>Course outcomes:</b>			
<ul style="list-style-type: none"> <li>● The objectives are to obtain an appreciation of the theory and reach of labour Economics</li> <li>● The Students will understand how the labour market can be analyzed from a different economic perspective.</li> <li>● Students will become familiar with the wage and employment determination.</li> <li>● Students will understand the role of the state and unions in the labour market.</li> <li>● To understand how the labour market works from both a microeconomic and a macroeconomic standpoint.</li> </ul>			
Credits:5		Elective	
Max. Marks:25+75		Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week):L-T-P:6 -0-0			
Unit	Topics		No. of Lectures
<b>I</b>	Labour Economics- Nature, scope and importance of labour Economics, Demand and supply of labour, characteristics of labour, labour migration, labour productivity.		12
<b>II</b>	The labour market- Definition of the labour market, Difference between labour market and commodity market, characteristics of labour market in India, Labour market reforms- exit policy, safety retirement, National commission of labour, Globalization and labour market.		12
<b>III</b>	Industrial and agricultural labour- Theories of labour movement, Growth pattern and structure of labour unions in India, Industrial disputes and their settlement, trend in collective bargaining.  Agricultural labour market- Rural labour supply, Nature and trend in rural employment, Agricultural wage in India.		12
<b>IV</b>	Wage Determination- Classical, Neo-classical and Modern Theory of Wage determination, Concepts of Minimum wage, Living Wage and fair wage in theory and practice. Wage determination in Various Sectors; Rural, Urban, Organized, Unorganized and informal sector, Analysis of rigidity in labour market, National Wage policy in India. Discrimination in the Labour Market.		15

V	Employment- Employment and development relationship, Poverty and Unemployment in developing countries, Unemployment - Concept, Types, and Measurement, Particularly in India, Technological change and modernization of employees in Organized private Industry, Public Sector. Employment in Agricultural Sector, Employment Policy in Five year plan and it's evaluations.	12
VI	Social Security and Reforms- Social Security in India; Need of social security, social insurance and social assistance, workmen compensation act, maternity benefit and employees state insurance scheme, women and child labour.	12

**Suggested Readings:**

- ❖ Hajela, P.D, Labour Restructuring in India: A Critique of the New Economic policies, Commonwealth publishers (1988)
- ❖ Solos, R: The labour market as an institution, Blackwell publisher(1990).
- ❖ Paola, T.S and A.N Sharma, Labour, employment and industrial relations in India (1993)
- ❖ Dart, G, Bargaining power wages and Employment: An Analysis of Agricultural labour market in India, Saga publication New Delhi(1996)
- ❖ Gupta, P.K, Labour Economics, New Delhi Vrinda publication (P)ltd
- ❖ Basu, kausik: Analytical Development Economics , Oxford university press Delhi (1997)
- ❖ Agarwal, A.N. Indian Economy, Wiley Eastern Ltd .New Delhi 1999
- ❖ सिन्हा, बी.ल, सिन्हा, पुष्पा, श्रमअर्थशास्त्र, नेशनल पब्लिशिंग हा0, नई दिल्ली
- ❖ Sharma, A.k, labour Economics, ISBN:9788126128471, Anmol publication Pvt Ltd
- ❖ Jhabvala, R and R. k subrahmanya-The unorganized sector: work security and social protection, Sage publication New Delhi (2000)
- ❖ Dhingra, C. Indian Economy Resource Planning Development and problems. Sultan Chand publication New Delhi (2001)
- ❖ Agarwal, Ramgopal, Reforms labour Market and social security OUP New Delhi(2004)
- ❖ Kapila, Uma: Indian Economy since independence, Academic foundation New Delhi (2004)
- ❖ जैन, लह0, अग्रवाल, जफ0, श्रमअर्थशास्त्र, ISBN,9789382836003, कैलाशपुस्तक, [नु] भोपाल (2019)
- ❖ Sharma, A.N and A. Kundu, informal sector in India: Emerging perspective , institute for Human Development, New Delhi (2001)
- ❖ Paola, T.S and sharma, A.N , Gender and Employment in India, Vikas publication House -New Delhi (1993)
- ❖ Sen ,ratan Industrial relations in India, Macmillan India 2008)
- ❖ Mamoria, C.B & Mamoria, S, Dynamics of Industrial Relations, Himalaya publishing House Mumbai (2008)
- ❖ Government of India : Reports on The National Commission of Labour
- ❖ Government of India, Economic survey. Annual Ministry of Finance ,New Delhi
- ❖ Ruddar dutt & K.P. M. sundaram, Indian Economy. S. Chand & Co New Delhi 2006
- ❖ Sivarethina Mohan, R. Industrial Relations and Labour Welfare, PHI Learning. New Delhi(2010)
- ❖ Mishra, S.K and Puri, V.k, Indian Economy Himalayan pub. Housing (2016)
- ❖ सिन्हा, बी0 लह0, श्रमअर्थशास्त्र एव vkS|ksfxd IEcU/k| ISBN-9789351672418 SBPD Prakashan.

**M.A. II Year- Semester III  
Elective Course**

Programme/Class: Post Graduate/ MA	Year: II	Semester: III
Course Code: ECO306	<b>Course Title: COMPUTER APPLICATIONS IN ECONOMIC ANALYSIS</b>	
<p><b>Course Outcome:</b></p> <ul style="list-style-type: none"> <li>● The students are equipped with the understanding of the computer fundamentals, application of the storage devices and the factors that affect the computer performance.</li> <li>● The students learn and understand the various facets of modern information technology, Internet and Email services and how to protect the data on the Internet.</li> <li>● The students get a prior understanding of various Operating System and will be able to learn the basics of Microsoft Word in creating, editing, formatting a document, and to convert a word Document into various Formats</li> <li>● The students learn and understand how to use Multimedia and make powerpoint presentations for research work.</li> <li>● The students learn the fundamentals of Window Explorer, application of Microsoft Excel in Preparing spreadsheet with entering and tabulating data</li> <li>● The students become well versed with the Basic Functions of Excel in using Descriptive Statistics, Analyzing Data and Obtaining Results, and handling Regression statistics.</li> <li>● To understand various components of money supply, RBI approach to money supply and analyze the role of fiscal and monetary multipliers in determining national income of an economy</li> <li>● To comprehend the various Software Operations and Orientation with different soft wares used in statistics and undergo a comparative Study of all soft wares</li> <li>● The student learns the basic ethical Issues in computing and Research- privacy, use of Intellectual Property rights; understand the use of digital technology in education and employment, governance and social development.</li> </ul>		
Credit : 5	Elective	
Max. Marks: 25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week): P- 4/w		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>I</b>	Computer Fundamentals: Characteristics and components of computer (hardware and software both); Storage Devices; Other peripherals used with PC; Factors influencing PC Performance	12

<b>II</b>	Modern Information Technology: Basic ideas of LAN, MAN, WAN, WWW, Internet and Email services; Internet technologies; Data protection on Internet	12
<b>III</b>	Introduction to Operating System: Microsoft Word; creating, editing, formatting a document. Multimedia/powerpoint presentation, Converting a word Document into various Formats	12
<b>IV</b>	Window Explorer: Microsoft Excel; Preparing spreadsheet with entering and tabulating data in MS Excel; Basic Functions of Excel; Descriptive Statistics, Analysing Data and Obtaining Results, Regression statistics	12
<b>V</b>	Software Operations: Orientation with different softwares used in statistics like SPSS, Strata, R, Eviews, Mat lab etc. their characteristics, uses, advantages, weaknesses; Comparative Study of all software	15
<b>VI</b>	Ethical Issues in computing and Research- privacy, use of Intellectual Property rights, Artificial Intelligence, use of digital technology in education and employment, governance and social development.	12
<p>Suggested Readings:</p> <ul style="list-style-type: none"> <li>❖ Field, Andey. (2024). Discovering Statistics Using IBM SPSS.</li> <li>❖ Dhanasekaran, k. Computer Applications in Economics, Vrinda Publications, New Delhi</li> <li>❖ Sinha, P. K. Computer Fundamentals, BPB Publications, New Delhi</li> <li>❖ Parameswaran, R. Computer Applications in Business, S. Chand &amp; Company Ltd. New Delhi</li> <li>❖ Rajaraman, V. Fundamentals of Computers, Prentice Hall of India, New Delhi</li> <li>❖ Sanders, D.H. Computers Today, McGraw Hill</li> </ul>		
<p>Suggested Continuous Evaluation Methods: Internal Assessment of 25 marks shall be divided into 10 marks for Assignment based presentation + 15 marks for written test comprising MCQs (Four MCQs of one mark each, all compulsory), short answer (Three of 3 marks each of which 2 to be attempted) and long answer type questions (Two question to be given of which one needs to be given, each of the two of 5 marks.</p>		
<p>Suggested equivalent online :</p> <p>UGC-e-PG Pathshala of the Ministry of Human Resource Development, Government of India Programme like Swayam, or any Programme run by the Government of Uttar Pradesh etc.</p>		

**M.A II Year, Sem. III  
Research Project**

Programme/Class: Post Graduate/ MA	Year: II	Semester : III
Subject: Economics		
Course Code: ECO307	<b>Course Title: Research Project</b>	
<p><b>Course Outcome:</b></p> <ul style="list-style-type: none"> <li>● The students should be familiar with basic concepts of research and research methodology.</li> <li>● To acquaint students with the tools of research methodology.</li> <li>● To enable the students to develop a questionnaire/interview schedule.</li> <li>● To inculcate among students ability to comprehend the concept research question and hypothesis.</li> <li>● To gain an appreciation for the value of economic reasoning and research, but to also recognize the limitations of its application.</li> <li>● To apply economic theory to real world situations and to utilize economic theory to frame analysis of research questions.</li> </ul>		
Credits: 10	Core Compulsory	
The student will be evaluated at the end of the year on the basis of the project report based on this field work		

**M.A II Year, Sem. IV  
(Research - Core Compulsory)**

Programme/Class: MA Economics		Year: 2	Semester: IV
Subject: Economics			
Course Code: ECO401		<b>Course Title: Research Methodology</b>	
<b>Course outcomes:</b>			
<ul style="list-style-type: none"> <li>● The students should be familiar with basic concepts of research and research methodology.</li> <li>● To acquaint students with the tools of research methodology.</li> <li>● To enable the students to develop a questionnaire/interview schedule.</li> <li>● To inculcate among students ability to comprehend the concept research question and hypothesis.</li> <li>● To gain an appreciation for the value of economic reasoning and research, but to also recognize the limitations of its application.</li> <li>● To apply economic theory to real world situations and to utilize economic theory to frame analysis of research questions.</li> </ul>			
Credits: 5		Core compulsory	
Max. Marks:25+75		Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical(in hours per week): L-T-P: 6-0-0			
Unit	Topics		No. of Lectures
<b>I</b>	Concept, meaning, definition and objectives of Research. Research Approaches & Strategies. Steps in Research Process. Types of Research. Characteristics & criteria of good research.		12
<b>II</b>	Research Problem: Concept and need, Identification of Research problem, defining and delimiting Research problem. Review of Literature: Meaning, objectives, sources and process of Review of Literature.		12
<b>III</b>	Research Questions and Hypothesis: Variables and their linkages, characteristics of good Hypothesis. Research question and formulation of hypotheses- directional and non-directional hypotheses, Basis for hypothesis. Hypothesis Testing, Types of Errors.		12
<b>IV</b>	Research Design: Concepts, meaning, types, need and features. Data Collection- Data types, collection methods- Questionnaire & Interview Schedule, Questionnaire Design, Types of questionnaires. Data Processing & classification of data, Role of technology in data collection (Shodh Ganga, Shodh Sindhu, Google Scholar, E-Library, Research Gate, Various types of Journals and Indexing).		12

	Ethics in Research.	
V	<b>Data Analysis:</b> Concept, meaning definition and importance of Sampling. Characteristics of good sample design. Types of samples. Steps in Sampling process. Seminar, Conference, Workshop, Symposium, Software's of Data Analysis (SPSS, R-Studio, STATA, EViews), Plagiarism, Referencing and various referencing styles.	12
<p><b>Suggested Readings:</b></p> <ul style="list-style-type: none"> <li>❖ Field, Andey. (2024). Discovering Statistics Using IBM SPSS.</li> <li>❖ Dhanshekhran, Computer Applications in Economics.</li> <li>❖ Ahuja, Ram (2003): SamajikSarvekshanAvamAnusandhan. Rawat Publication. ISBN-10- 817033750X and ISBN-13- 978-8170337508</li> <li>❖ Ahuja, Ram (2001): Research Methods. Rawat Publication. ISBN-10-8170336538</li> <li>❖ Chandra, Vinod S.S &amp; S. Anand Hareendran (2018): Research Methodology. Pearson.ISBN:978-93-528-6351-8</li> <li>❖ Creswell, John W (2012): Research Design: Qualitative, Quantitative and Mixed Methods Approaches. Sage. ISBN:978-321-0748-4(PB)</li> <li>❖ Fadia, B.L(2018): Shodh Paddhati. Sahitya Bhawan Publications. ISBN-10 -9351733114</li> <li>❖ Flick, Uwe (2012): An Introduction to Qualitative Research. Sage. ISBN:978-81-321-0568-8(PB)</li> <li>❖ Greenlaw, S., Doing Economics: A Guide to Understanding and Carrying Out Economics Research, Houghton Mifflin.</li> <li>❖ Koli. L.N (2014): Research Methodology (Hindi) Y K Publishers. ISBN-13-978-8185070919</li> <li>❖ Kothari, C.R: Research Methodology (Methods and Techniques) (Hindi &amp; English), New Age Publisher.</li> <li>❖ Kumar, R. (2011). Research Methodology: a step-by-step guide for beginners (3rd edition). London, UK: TJ International Ltd, Padstow, Cornwall.</li> <li>❖ Lewin, Cathy and Bridget Smekh (2011): Theory and Methods in Social Research. Sage. ISBN: 978-81-321-1000-2(PB)</li> <li>❖ Salvade, Sidram (2012): Research Methodology (Hindi). Raj Publications. ISBN-10- 8189471619 and ISBN-13- 978-8189471613</li> <li>❖ Sharma, Virendra Prakash (2015): Research Methodology (Hindi). Panchsheel Prakashan.</li> <li>❖ Singh, Y. K. (2006). Fundamental of Research Methodology and Statistics. New Delhi. New International (P) Limited, Publishers.</li> </ul>		
<p>Suggested Continuous Evaluation Methods: Internal Assessment of 25 marks shall be divided into 10 marks for Assignment based presentation + 15 marks for written test comprising MCQs (Four MCQs of one mark each, all compulsory), short answer (Three of 3 marks each of which 2 to be attempted) and long answer type questions (Two question to be given of which one needs to be given, each of the two of 5 marks.</p>		
<p>Suggested equivalent online courses: UGC-e-PG Pathshala of the Ministry of Human Resource Development, Government of India Programme like Swayam, or any Programme run by the Government of Uttar Pradesh etc.</p>		

**M A II Year, Sem. IV  
(Core)**

<b>Programme/Class: M .A.</b>	<b>Year: II</b>	<b>Semester: IV</b>
<b>Subject: Economics</b>		
<b>Course Code: ECO402</b>	<b>Course Title: Econometrics</b>	
<p><b>Course outcomes:</b></p> <ul style="list-style-type: none"> <li>● The objective of this paper is to introduce basic econometric techniques that are widely used in empirical work in economics and other related disciplines.</li> <li>● It covers the problems faced in estimation and inference in the context of single and multiple equations regression model.</li> <li>● The focus is on conceptual understanding and ‘hands on’ applications using economic data drawn from real-world examples.</li> <li>● Estimate and interpret the parameters of multiple regression.</li> <li>● Work out solutions for violations of classical assumptions.</li> </ul>		
<b>Credits: 5</b>	<b>Core Compulsory</b>	
<b>Max. Marks: 25+75</b>	<b>Min. Passing Marks:40</b>	
<b>Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0</b>		

Unit	Topics	No. of Lectures
I	Introduction, nature, scope and objectives of econometrics. Divisions of Econometrics. Basic concepts :population, sampling distribution, statistical inference and sampling distribution. Methodology of Econometrics.	10
II	Data Structure-Cross Sectional Data, Times Series Data, Pooled cross sections and Panel or Longitudinal Data. Causality and the notion of ceteris paribus.	10
III	Error Term. Estimation, Estimator, Properties of Estimator. Estimation-point and interval. Least Square Estimator, Coefficient of Determination. Stochastic and Non-stochastic relation. Linear regression with a single regressor. Linear and non-linear functions	15
IV	Basic functional forms of regression model. Classical Linear Regression Model- Ordinary Least Square Method (OLS) assumptions, estimation & properties. Relaxing Assumptions of Classical Model	15
V	The Assumption of Randomness, Zero Mean, Constant Variance and Normality of the Disturbance variable $u$ .	15
VI	Multicollinearity, Heteroscedasticity and Autocorrelation,	10

**Suggested Readings:**

Gujarati, D. N., “Econometrics by Example”, Red Globe Press, 2nd Ed, 2014

Johnston and Dinardo, Econometric Methods, Mc Graw Hill.

Koutsoyiannis.A: Theory of Econometrics. Palgrave.N.Y.

Maddala, GS –Econometrics, Mc Graw Hill, N.Y.

Madnani. G M K: Introduction to Econometrics. Principles and Applications. Oxford & IBH Publishing Co. Pvt. Ltd.

Marno Verbeek, 2017,“A Guide to Modern Econometrics”, John Wiley & Sons, Ltd, 5th Edition

Stock, James H., and Mark W. Watson (2007), Introduction to Econometrics, 2/E, Pearson

Studenmund, A H: Using Econometrics, Pearson

Wooldridg, Jeffrey M.: Introductory Econometrics: A Modern. Approach, Cengage Learning

मदनानी, जी.एम. के. व कैलाश चन्द्र नायमा: अर्थमिति : अवधारणाए एवं विधियों ! कल्याणी पब्लिशर्स !

श्रीवास्तव, बी.एल व अनिल गुप्ता : गणितात्मक अर्थशास्त्र तथा अर्थमिति के मूल-तत्व ! प्रगति प्रकाशन, मेरठ

**M A II Year, Sem. IV  
(Elective)**

Programme/Class MA Economics	Year: II	Semester: IV
Subject: Economics		
<b>Course Code:</b> ECO403	<b>Course Title: Economics of Agriculture</b>	
<p><b>Course outcomes:</b></p> <ul style="list-style-type: none"> <li>❖ Provide orientation to the students regarding the concepts and measures of agricultural &amp; rural development in economic development.</li> <li>❖ Provide orientation on theories of economic growth and relevance of theories of agricultural and rural development of developing/labour surplus economies.</li> <li>❖ Understand the agricultural policies and its effect on sustainable agricultural development.</li> <li>❖ Understand globalization and its impact on agricultural development.</li> </ul> <p>To develop the understanding of the production process and the guiding economic principle for agricultural production; to apply the appropriate economic principle under different production scenarios to optimize the production process.</p>		
Credits: 5	Elective	
Max. Marks:25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week):L-T-P:6-0-0		
Unit	Topics	No. of Lectures
<b>I</b>	Concept of Agriculture and Rural Development. Indian Economic Thinkers on Agriculture- Kautilya, Dr. B R Ambedkar, M L Dantwala. Physiocrats approach, Models of Agricultural Development: W. A. Lewis model, Fei & Ranis Model, Schultz Theory of Agricultural Development, Jorgenson's Dual Economy Model, JW Mellor's Approach, Y Hayami and V W Ruttan's Model of Agricultural Development	12
<b>II</b>	Land Resources in Agriculture: Land Reforms and its relevance in contemporary economic scenarios, Effects of urbanization on agricultural land use. Green Revolution: Issues and challenges.	12

<b>III</b>	Agricultural Price Policy in India. Poverty & Food Security in India, Agro- Subsidies in India, Subsidy Vs Public Investment.	12
<b>IV</b>	Credit in Indian Agriculture: Sources of finance and changes in their respective share. Factors determining demand for credit, Imperfections in rural credit markets in India, recent policy changes in regard to farm credit and their implications.	12
<b>V</b>	Agricultural Markets & Marketing Efficiency- Regulated markets; Role of FPOs in Agricultural marketing, Recent policies with respect to agricultural marketing. Issues and Challenges in the Marketing of Agricultural Products in India. Trends, Food Processing Industries in India	12
<b>VI</b>	Meaning, importance, Indicators of Sustainable Agriculture, Issues related to genetically modified seeds in India, Legislation on Plant Varieties and Farmers' Rights Protection, Contract Farming - Present Status and Future directions, Organic farming in India, Climate change in agriculture.  Terms of Trade in Indian Agriculture, WTO and Indian Agriculture. Agreement on Agriculture, The issue of farm subsidies.	15

**Suggested Readings:**

- ❖ Agarwal, M.K. and A.N Agarwal(2014): Indian Economy-Problems of Development and Planning. New Age Internation Privat Limited
- ❖ Amarjit, Singh, A. N .Sandhu & Jasbir Singh (2022): Fundamental of \agricultural Economics. Himalaya Publishing House Pvt. Ltd.
- ❖ Barkley, Andrew and Paul W. Barkley (2020): Principles of Agriculture Economics. Routledge.
- ❖ Dutt, Rudra & Sundaram: Indian Economy
- ❖ Gupta, Sachin (2020): Make in India or Trade in India.
- ❖ Joshi, Pramod & Ramesh Chand, et al.(2022): Indian Agriculture Towards 2030: Pathways for Enhancing Farmers' Income, Nutritional Security and Sustainable Food and Farm Systems (India Studies in Business and Economics). Springer Nature.
- ❖ Kapila, Uma (2022): Indian Economy-Performance and Policies. Academic Foundation.
- ❖ Mahajan, Madhur.M.(2020): Indian Economy. Pearson
- ❖ Puri , V.K & S K Mishra (2022) : India Economy. Himalaya Publishing House.
- ❖ Reddy, S.S (2019): Agricultural Economics. Oxford. ISBN-10-8120415965
- ❖ Roy, Tirthankar (2020): The Economic History of India, 1857-2010. OUP India. ISBN-10-0190128291, ISBN-13-978-0190128296
- ❖ Shah, C.H (2013): Fundamentals of Agricultural Economics with Perspectives from Indian Agriculture. Kalpaz Publication.
- ❖ Singh, C.B and R K Singh (2011): A Text Book of Agriculture Econmics. Laxmi Publications.
- ❖ Soni, R N (2015): Leading Issues in Agriculture Economics.Vishal Publishing Co.
- ❖ Srirangam, Sriram (2022): Indian Economy. Pearson.
- ❖ Verma, P K (2019): Fundamentals of Agricultural Economics. Jaya Publishing House.

**M.A II Year, Sem. IV  
(Theory) Elective**

Programme/Class: Post Graduate/ MA	Year: II	Semester: IV
Subject: Economics		
Course Code: ECO404	<b>Course Title: Evolution of Economic Thoughts</b>	
<p><b>Course Outcome:</b></p> <ul style="list-style-type: none"> <li>• The students would assimilate the knowledge of ancient economic thought, Greek economic thought as well as Western economic thought and learn the basic ideas of thinkers like Kautilya, Plato, Aristotle, economic ideas of Locke, Thomas Munh Mercantilist, Physiocrats, Tableau Economiques, Circulation of wealth, Laissez faire etc.</li> <li>• The students learn and understand the economic thoughts of Classical School, Adam Smith, concept of invisible hand, economic liberalism, role of state and stationary state.</li> <li>• The students learn and understand the various theories of Ricardo: Distribution, development, International Trade, the law of Population and theory of Glut of Malthus, individualistic and socialistic reforms –Mill, Say’s Law and of Historical School also.</li> <li>• The students will comprehend German Romantics and Scientific Socialism, economic ideas of Karl Marx- Materialistic interpretation, dialectical materialism, labour theory of value, surplus value, surplus-accumulation-profit conflict, the success and failure of Marxism.</li> <li>• The students will learn the basic concepts of Subjectivism and Marginalism and the economic ideas of Austrian School, the precursor of Marginalism, the Marginalist Revolution along with the contribution of Menger, Jevons, Walrus, Wicksteed, Weiser and Bohm Bawerk.</li> <li>• To understand the evolution of Neo-classical economics through Alfred Marshall, the evolution of Keynesian Economics and Post Keynesian Developments.</li> <li>• To analyze the history and evolution of Indian Economic Thought, Economic Ideas of Mahatma Gandhi and other Indian economic thinkers, Early approaches to Planning and Economic dilemmas and the significance of externalities and environmental sustainability</li> </ul>		
Credits: 5	Elective	
Max. Marks: 25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week): 6-0-0		
Unit	Topics	No. of Lectures
I	<p><b>Introduction:</b> Ancient Indian economic thought: Kautilya, Valluvar, Greek economic thought: Plato, Aristotle: concept of ideal state.</p> <p>The rise of Western Economic Thought: Mercantilism: Background factors, main characteristics, The analytical contributions of mercantilists to the economic theory, economic ideas of Locke, Hume,</p>	12

	Cantillon, and Thomas Munh. Physiocracy- factors responsible for its rise, basic principles: Tableau Economique, Turgot, The idea of production, circulation of wealth, laissez faire	
II	<b>Classical School:</b> Introduction and summary of classic school; Adam Smith- naturalism and optimism, invisible hand, division of labour, market as resource allocator and as an institutional order, theory of value, international trade, economic liberalism, David Ricardo- Theory of distribution, ideas on economic development and International Trade; T. R. Malthus- The law of population, theory of Glut (over production due to under consumption); J. S. Mill- fundamental laws, individualistic and socialist reforms; stationary state as a moment for cultural fulfilment; J. B. Say- Say's Law; Historical School-Senior, List	15
III	<b>German Romantics and Scientific Socialism-</b> Sismondi, Karl Marx- Materialistic interpretation, dialectical materialism, value, labour theory of value, surplus value, profit, laws of capital accumulation, surplus-accumulation-profit conflict, fall of capitalism, formation of socialist and communist order; the success and failure of Marxism, contemporary relevance.	12
IV	<b>Subjectivism and Marginalism:</b> The precursor of Marginalism- Cournot, Thunen, Gossen,–Austrian School- subjective base of value, The Marginalist Revolution; introduction of marginal analysis, contribution of Menger, Jevons, Walrus, Wicksteed, Weiser and Bohm Bawark <b>Neo-classical economics:</b> Alfred Marshal: the Neo-Classicism, value, demand, supply, equilibrium; other concepts.	12
V	<b>Indian Economic Thought:</b> Naoroji, Ranade, R C Dutt, and M N Roy, Economic Ideas of Mahatma Gandhi-; B R Ambedkar, Ram Manohar Lohia, Pt. Deen Dayal Upadhyay, Amartya Kumar Sen, Raghuram Rajan, Krugman, Manmohan Singh. Early approaches to Planning (The National Planning Committee; Gadgil; Jagdish Bhagwati, J K Mehta- Wantlessness	12
VI	<b>Economic dilemmas:</b> The market and the larger society, inclusion and exclusion, equity and equality, basic needs vs. islands of prosperity, consumer-producer sovereignty, economic wastage, externalities, environmental sustainability.	12
<b>Suggested Readings:</b>		
<ul style="list-style-type: none"> <li>❖ Bhatia, H.L : History of Economic Thought ,Vikash Publishing House.</li> <li>❖ Blackhouse, R (1985) : A History of Modern Economic Analysis, Basil Blackwell, Oxford.</li> <li>❖ Ganguli, B.N(1977) : Indian Economic Thought : A 19th Century Perspective, Tata Mcgraw Hill.</li> <li>❖ Hajela, T.N (2011) :AarthikVicharon Ka Itihas , Ane Books.</li> </ul>		

- ❖ Hajela, T.N (2011) : History Of Economic Thought , Ane Books.
- ❖ Hunt, E.K&Lautzenheiser, Mark (2011) : History of Economic Thought: A Critical Perspective , Phi Learning.
- ❖ Jhingan, M.L (2008): AarthikVicharon Ka Itihas , Vrinda Publications, New Delhi.
- ❖ Kautilya (1992): The Arthashastra, Translated And Introduced By L.N.Rangarajan, Penguin Books.
- ❖ Loknathan,V (2009) : History of Economic Thought , S.Chand& Company.
- ❖ Roll, Eric : History of Economic Thought, Faber.
- ❖ Schumpeter, J.A(1954): Historyof Economic Analysis, Oxford University Press, New York.
- ❖ Sinha, V.C (2011) :AarthikVicharon Ka Itihas , Mayur Publishing
- ❖ Stanley, Charles.E: “A History of Economic Thought: From Aristole To Arrow”, Blackwell Publishing

Suggested Continuous Evaluation Methods: : Internal Assessment of 25 marks shall be divided into 10 marks for Assignment based presentation + 15 marks for written test comprising MCQs (Four MCQs of one mark each, all compulsory), short answer (Three of 3 marks each of which 2 to be attempted) and long answer type questions (Two question to be given of which one needs to be given, each of the two of 5 marks.

Suggested equivalent online :

UGC-e-PG Pathshala of the Ministry of Human Resource Development, Government of India Programme like Swayam, or any Programme run by the Government of Uttar Pradesh etc.

**M.A II Year, Sem. IV  
(Theory) ELECTIVE**

Programme/Class: M .A.	Year: II	Semester: IV
Subject: <b>Economics</b>		
Course Code: ECO405	<b>Course Title: Social Sector Economics</b>	
<ul style="list-style-type: none"> <li>● <b>Course outcomes: Through this course students should be able to:</b></li> <li>● Acquire the knowledge about the role of government in an organized economy.</li> <li>● Importance of common goods and provision of public utility.</li> <li>● Get an insight of social sector development in terms of addressing imbalances of economy.</li> <li>● Understand the Government interventions in relation to social sector development.</li> <li>● Attain the knowledge of Social justice and empowerment.</li> <li>● Get an Insight of activities and schemes for persons with disabilities</li> </ul>		
Credits: 5	Elective	
Max. Marks: 25+75	Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L-T-P: 6-0-0		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>I</b>	Role of government in an organized society, common goods and provision of public utility, Satisfaction of Social and Merit want. Government measure to promote economic development: mobilization of economic surplus, provision of economic and social overheads.	12
<b>II</b>	Readdressing imbalances in the economy: social sector development. Growth with Social Justice-Concept and Issues. Size of GDP and Procurement of Social Justice, Ministry of Social Justice and Empowerment and its various social welfare activities, schemes for persons with disabilities.	12

III	Human Development and Human Development Index. Index Sustainable Development Goals -2030 ,Targets, End Poverty, Zero Hunger , Approach of NITI Ayog in relation to attaining Targets of SDG-2030 Goals. National Nutrition Mission.	15
IV	Health and Well-Being: Health Sector Economics, Schemes related to health and nutrition. Ayushman Bharat. Jan Arogya Yojna. Expenditure on Health sector in India Centre and State. India's Progress on achieving good health and well-being.	12
V	Education Sector Economics: Expenditure on Education sector in India, Government initiative to improve the quality education and lifelong learning. Inclusive and Equitable quality education. India's Progress on Achieving Quality education.	12
VI	Gender Equality and empowerment of women and girls: Gender Budgeting, Maternal and Reproductive Health, Schemes related to women and girls empowerment. Women Empowerment Policies,Gender mainstreaming. India's Progress on achieving gender equality.	12

- **Suggested Readings:**
  - Prabhu, K.Seeta(2001) : Economic Reforms and Social Sector Development, Sage Publications, New Delhi.
  - Sen,Raj Kumar (2005) : Social Sector Development in India, Deep & Deep Publications, New Delhi
  - Lal & Lal ,Shubham Publication, Prayagraj.
  - Chaturvedi, Chinmayee (2012): Economic Reforms and Social Sector With Special Reference to Primary Education in Uttar Pradesh, Pragun Publications.
  - Mathur, Vibha (2004): India- Economic Reforms and Social Sector, New Century Publications.
  - Schultz,T.W (1971) : Investment In Human Capital, Free Press, New York.
  - Klarman,H.E (1965) : The Economics Of Health, Columbia University Press, New York.
  - Blaug,M (1972) : Introduction To Economics of Education, Penguin, London.
  - Tilak, J.B.G (1994): Education for Development in Asia, Sage Publications, Delhi.
  - [nifp.org.in](http://nifp.org.in)
  - [nhm.gov.in](http://nhm.gov.in)
  - [wcd.nic.in](http://wcd.nic.in)
  - [niti.gov.in](http://niti.gov.in)
  - [india.gov.in](http://india.gov.in)

**M.A II Year, Sem. IV  
(Theory) Elective**

Programme/Class: M.A.	Year: II	Semester: IV
Subject: Economics		
Course Code: ECO406	<b>Course Title: Economy of Uttar Pradesh</b>	
<b>Course outcomes:</b>		
<ul style="list-style-type: none"> <li>● The objective of this course is to develop the knowledge and understanding of basic principles and practice of up Economy.</li> <li>● The course also aims at equipping the student with the knowledge and understanding of the structure of up Economy.</li> <li>● To familiarize students with the contemporary issues in up Economy.</li> <li>● Get an Insight into recent trends in Uttar Pradesh.</li> </ul>		
Credits: 5	Elective	
Max. Marks:25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week):L-T-P:6-0-0		
Unit	Topics	No. of Lectures
<b>I</b>	Structure of Uttar Pradesh's Economy. Basic features of Economy in Uttar Pradesh, Economic and Non Economic indicators of Economic Development, Economic Growth in Uttar Pradesh – GSDP, GVA; Pattern and structure, Inter-state comparison of the Income & Growth.	12
<b>II</b>	Agriculture in Uttar Pradesh - Structure of Agriculture in up, Growth, Productivity, Green revolution progress, Performance and implementation, Agricultural Diversification, Agricultural Credit, Agricultural marketing and Land Reforms in Uttar Pradesh.	15
<b>III</b>	Industry, Pattern, Performance, Constraints and Challenges, Small Scale Industries-Role, Problem and future prospects, Agro based industries, Industrial policy in Uttar Pradesh, ODOP.	12
<b>IV</b>	Service Sector in UP-Nature, Growth, Problem and prospects. Policies. Current Economic Scenario in Uttar Pradesh. UP Economy@75. Investors Summit 2023.	12
<b>V</b>	Social Sector In UP- Education, Health, Sanitation and Water Supply, Social Security Employment ,welfare schemes. Role of Tourism sector in the Economy of Uttar Pradesh.	12

<b>VI</b>	Demographic Profile of UP-Sources of Demographic data, Census 2011, Growth and distribution of population in UP, Fertility Patterns, Mortality rates, Birth and death rates, Age Structure and Sex structure, Life expectancy, Rural urban ratio, Density, Family welfare program in UP.	12
<b>Suggested Readings:</b>		
<ul style="list-style-type: none"> <li>❖ Kaur, Puneet: Location of Indian industries :An interstate Analysis.ISBN:9788184846973</li> <li>❖ Sunder,V: India:Study in growth , structure and Location.</li> <li>❖ Economic surveys (various issues) Ministry of Finance, Government of India.</li> <li>❖ Agarwal,Manoj Kumar, Agricultural industry in the Economy of Uttar Pradesh.ISBN-10-81721110685, Northern Book Centre(1996).</li> <li>❖ Richardson ,Harvey: Elements of Regional Economics , penguin.</li> <li>❖ Goyal, Alok Kumar, Agricultural performance in Uttar Pradesh.ISBN-10-3659622745,LAP Lambert Academic publishing (2014).</li> <li>❖ Agarwal,M.k:Uttar Pradesh ki Arthvyavastha,New Royal Book Depot Lucknow.</li> <li>❖ Copeelo,Roberta-Regional Economics ISBN-13-9781138855878 Routledge pub(2015).</li> <li>❖ Kapila, Uma-Indian Economy Performance and policies, ISBN 13-9789332701670, Academic Foundation (2014-15).</li> <li>❖ Candler, VM:Handbook of small scale industries,ISBN-978-93539-4063-8.</li> <li>❖ Puri,VK &amp; Mishra Indian Economy Indian Economy , Himalaya Publication ISBN-10-97893-53676266(2019).</li> <li>❖ M Jajan ,M .Madhur,Indian Economy ISBN-978-93539-4063-8.</li> <li>❖ Mishra ,ArvindNarayan,T,The Economy of Uttar Pradesh Reading Room (Publication (2018).</li> <li>❖ Singania,IndianEconomy,ISBN:978939011301, McGraw Hill Education India (2020).</li> </ul>		
<b>Source for Update information:</b>		
<ul style="list-style-type: none"> <li>● niti.gov.in</li> <li>● agriculture.gov.in</li> <li>● mospi.nic.in</li> <li>● startupindia.gov.in</li> <li>● rbi.org.in</li> <li>● nabard.orgfinmin.nic.in</li> <li>● commerce.gov.in</li> <li>● makeinindia.com</li> <li>● Agarwal, M.K. (2022): Development Issues in Uttar Pradesh, Northern Book Centre, New Delhi</li> <li>● Agarwal M.K. (2022): Modi Empowers Development, Sultan Chand and Sons, New Delhi</li> </ul>		

**M.A II Year, Sem. IV**  
**Field Survey Based Dissertation (Research)**

Programme/Class: Post Graduate/ MA	Year: II	Semester : IV
Subject: Economics		
Course Code: ECO407	<b>Course Title: Field Survey Based Dissertation</b>	
<p><b>Course Outcome:</b></p> <ul style="list-style-type: none"> <li>● The students should be familiar with basic concepts of research and research methodology.</li> <li>● To acquaint students with the tools of research methodology.</li> <li>● To enable the students to develop a questionnaire/interview schedule.</li> <li>● To inculcate among students ability to comprehend the concept research question and hypothesis.</li> <li>● To gain an appreciation for the value of economic reasoning and research, but to also recognize the limitations of its application.</li> <li>● To apply economic theory to real world situations and to utilize economic theory to frame analysis of research questions.</li> </ul>		
Credits: 10	Core Compulsory	
Max. Marks: 100	Min. Passing Marks: 40	