



माँ शाकुम्भरी विश्वविद्यालय, सहारनपुर
Maa Shakumbhari University, Saharanpur

**Four Year Under-Graduation Honours in
Economics / Honours with Research
For**

School of Arts - Economics

Maa Shakumbhari University, Saharanpur

And

Department of Economics, Affiliated Colleges

MaaShakumbhari University, Saharanpur

(2024-25)

Members, Board of Studies (Economics)

S.N.	Name	Designation	Department	College/University
1.	Mrs. Seema Mishra	Associate Professor, Convener of the Team	Department of Economics	J.V.Jain College, Saharanpur
2.	Dr. ManjuMagan	Associate Professor, Member	Department of Economics	V.V (PG) College, Shamali
3.	Dr. Khalid Anwar	Professor, Member	Department of Economics	J.V.Jain College, Saharanpur
4.	Dr. Sushma Saini	Professor, Member	Department of Economics	D.A.V College, Muzaffarnagar
5.	Dr. M.L Maurya	Professor, External Expert		Bundelkhand University
6.	Dr. Atvir Singh	Professor, External Expert	Department of Economics	C.C.S University, Meerut



B.A. in Economics

The Course is designed for the students pursuing graduation with Economics in regular mode. The programme aims to inculcate economic thinking among the students in economic decision making by comprehending economic theory. It aims to develop analytical view point in the students about the economic behaviour of people. The objective is to nurture among student a view point of a socially responsible and ethical aware citizen. The under graduate programme will have 10 courses in 6 Semesters in 3 years. In the Fifth and the Sixth Semester 01 paper is given as optional. In the Fifth Semester it is proposed to have Dissertation Project keeping in the spirit of the New Education Policy 2020 to introduce research at the graduation level. The structure of syllabus is based on the template of UGC proposed for the CBCS for undergraduates in Economic (Regular).

Programme Specific Outcomes(PSOs)- Student after completing graduation will be able to learn-

PSO 1:	The behavioral patterns of different economic agents, advance theoretical issues and their applications.
PSO 2:	Understand the basic concept of microeconomics.
PSO 3:	Understanding basic concepts of Macroeconomics.
PSO 4:	Acquaint with some basic statistical methods to be applied in economics.
PSO 5:	Acquaint with some basic mathematical methods to be applied in economics.
PSO 6:	Acquaint with some basic theoretical concept of public finance.
PSO 7:	Acquaint with the measurement of development with the help of theories along with the conceptual issues of poverty and inequalities with Indian perspectives.
PSO 8:	Delineate the fiscal policies designed for developed and developing economics.
PSO 9:	Facilitate the historical developments in the economic thoughts propounded by different schools. To familiarise students with the contribution of Indian Economic Thinkers and the relevance of their contribution.
PSO 10:	Learn the basic concept of monetary analysis and financial marketing in Indian financial markets.
PSO 11:	Learn the development issues of Indian economy.
PSO 12:	Acquaint with some basic concept of environmental economics along with the solution of the environmental problems.
PSO 13:	Learn the real and monetary sides of International economics.
PSO 14:	Familiarise and acquaint with the characteristics of the economy of Uttar Pradesh.
PSO 15:	To familiarize the students about issues of ethics in economic thinking and practice.

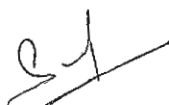


Programme Outcomes (PO's)

- PO 1. Apply knowledge of Economics in all the field of learning consumer's behavior, producer behavior and price determination in different types of markets.
- PO2. Provide knowledge of National Income, Employment theories, Investment multiples and accelerator principle.
- PO3. Apply knowledge of Research Methodology higher research work and innovations.
- PO4. Understanding the basic reasoning of Economics and able to apply mathematical tools and techniques to study the behaviors of economic agents.
- PO5. Provide knowledge of theories of distribution and welfare Economics.
- PO6. Enable the students to understand theory, practice of money and banking and analysis the interaction between the monetary forces, their development, their role in the development of Economy.
- PO7. Apply knowledge of various concepts and theories of growth and development through HDI, GDI, HCI.
- PO8. Enable students in getting employment in different areas such as industry, banks and Insurance sector educational research institutions.
- PO9. Provide knowledge of Economics of govt. Expenditure, revenue, taxation and Public Borrowing, Fiscal policy and its implication.
- PO10. Impart knowledge regarding money and capital market, a Indian Financial system.
- PO11. Aware the students with the current problems and future challenges of Indian Economy.

Programme Specific Outcomes (PSO's)

- PSO1. The students would be able to apply theories and models of Economics in all fields of learning.
- PSO2. Demonstrate competence in using Economic theories in real life applications.
- PSO 3. Undertake specific enquiry and research using quantitative and qualitative methods to resolve socio economic problems.
- PSO 4. Use appropriate techniques to solve the problems with calculus and linear algebra.
- PSO 5. To provide students deeper knowledge about distribution and welfare aspect of economic activities.
- PSO 6. Gain knowledge of recent developments in growth and development and carry out development work as well as take up challenges in the emerging areas of the country.
- PSO 7. To Provide students deeper knowledge of industry computer and Insurance sector etc. to improve their own learning and performance.
- PSO 8. Apply the Principles of Public Economics in analyzing various government Policies.
- PSO 9. Apply the trade theories tariff theories and BOP's for the development of country.
- PSO 10. Familiar the students about controller of Financial system e.g. RBI, SEBI, IRDA.
- PSO 11. To provide students' knowledge, ability and computational techniques so that they will be able to work as professionals.
- PSO 12. Understanding various concepts of population both qualitative and quantitative with various demographic techniques.
- PSO 13. Apply appropriate Economic techniques to solve environmental problems and measure value of eco nonmetal goods.



List of all Papers in all Six semesters with 4 Year UG Honours Program/ Honours with Research.

Year	Sem.	Paper Code	Code	Paper Title	Theory/Practical	Credits
1	I	0110801	A080101T	Principle of Micro Economics	Theory	6
1	II	0210801	A080201T	Principles of Macro Economics	Theory	6
2	III	0310801	A080301T	History of Economic Thought	Theory	6
2	IV	0410801	A080401T	Money, Banking and Public Finance	Theory	6
2	IV	0510865	A080504R	Elementary Statistics based Project (Summer Vacation)	Practical	4
3	V	0510801	A080501T	Economic Growth and Development	Theory	5
3	V	0510802/ 0510803	A080502T/ A080503T	Optional Paper(Any 1) Environmental Economics International Economics	Theory	5
3	VI	0610801	A080601T	Indian Economy & Economy of Uttar Pradesh	Theory	5
3	VI	0610802/ 0610803	A080602T/ A080603T	Optional Paper(Any 1) Agriculture Economics Or Elementary Mathematics	Theory	5

4 Year UG Honours Program/ Honours with Research

Year	Semester	Course Code	Core/Elective	Paper Title	Theory/Practical / Research	Credits	Internal Marks	External Marks (Min Marks)	Total Marks	Passing Marks Minimum (INT+ EXT)	Teaching Hours Theory
Year-4 as per NEP/Year -1	Semester-VII as per NEP2020/Semester-I	0710821	Core Compulsory	Micro Economics I	Theory	4	25	75(25)	100	40	60
		0710822	Core Compulsory	Macro Economics I	Theory	4	25	75(25)	100	40	60
		0710823	Core Compulsory	Elementary Statistical Analysis	Theory	4	25	75(25)	100	40	60
		0710824	Core Compulsory	History of Economic Thought	Theory	4	25	75(25)	100	40	60
		Opt. any one									
		0710825	Elective	Labour Economics	Theory	4	25	75(25)	100	40	60
		0710826	Elective	Economics of Infrastructure	Theory	4	25	75(25)	100	40	60
		0710827	Elective	Economics of Health and Education	Theory	4	25	75(25)	100	40	60
		Eligibility for project work – (Minimum 75% in UG)									
		0710865	Elective	Project on Local Problems	Research	4	-	-	100	40	60

Semester VIII as per NEP2020/Semester -II	0810821	Core Compulsory	Micro Economics II	Theory	4	25	75(25)	100	40	60
	0810822	Core Compulsory	Macro Economics II	Theory	4	25	75(25)	100	40	60
	0810823	Core Compulsory	Research Methodology	Theory	4	25	75(25)	100	40	60
	0810824	Core Compulsory	Economics of Growth and Development	Theory	4	25	75(25)	100	40	60
	Opt. any One									
	0810825	Elective	Gender Economics	Theory	4	25	75(25)	100	40	60
	0810826	Elective	Industrial Economics and Entrepreneurship	Theory	4	25	75(25)	100	40	60
	0810827	Elective	Econometrics	Theory	4	25	75(25)	100	40	60
	0810865	Elective	Project on Local Problems	Research	4	-	-	100	40	60

Semester-wise Titles of the Papers in BA(Economics)

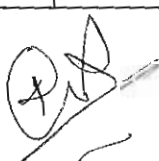
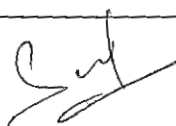
Q.1

Q.2

BA 1st Year, Sem. I ,
Course I
(Theory)

Programme/Class: Degree/ BA	Year: First	Semester: First
Subject: Economics		
Code: A080101T / Paper code - 0110801	Course Title: Principle of Micro Economics	
<ul style="list-style-type: none">● Course Outcome: The students are familiarized with basic concepts of microeconomics such as laws of demand and supply and elasticity etc so that he/she can comprehend them & familiarize with day today happenings. The students learn and understand the concepts of consumer behaviour like cardinal utility and ordinal utility analysis. The students learn and understand application of Indifference curve analysis in deriving demand curves, price effect, income effect and substitution effect. The students learn and understand the Theory of production- iso-quants, laws of returns to scale, law of variable proportion. The students learn, understand and compare between the Traditional and modern theory of cost. Demonstrate an understanding, usage and application of basic economic principles. Describe and apply the methods for analyzing consumer behavior through demand and supply, elasticity and marginal utility. To analyze the behavioral patterns of different economic agents regarding profit, price, cost etc. The decision-making process in different market situations such as perfect competition, monopolistic competition, monopoly and oligopoly markets.		

<ul style="list-style-type: none"> To deal with the advance theoretical issues and their practical applications of distribution theories. General equilibrium, economic efficiency and market failure. 		
Credits: 6		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks: 33
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
I	Introduction: Definitions of Economics, Demand and Supply, Law of Demand, Determinants of Demand, Shifts of Demand versus movements along a demand curve, Law of Supply, Determinants of Supply versus movements along a supply curve, Consumer's Surplus. Elasticity: price elasticity of demand, calculating elasticity, determinants of price elasticity, other elasticities.	14
II	Consumer Theory: concept of utility, diminishing marginal utility, Cardinal Versus Ordinal approach, Consumer choice: indifference curves, Characteristics of Indifference curve, Consumer's Equilibrium through indifference curve.	10
III	Production and Costs - Production function, law of variable proportions, Returns to scale, Isoquant and isocost lines, cost minimizing equilibrium condition, Cost - Marginal Cost Average cost, total cost, fixed cost and variable cost, opportunity cost, Costs in short run and costs in the long run, revenue and profit maximization.	11


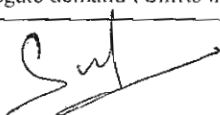
IV	Market Structure – (a) Perfect Competition- Salicut features of perfect competition, pure competition, equilibrium of the firm in the short run and long term industry supply curve : increasing decreasing and constant cost industry. (b) Imperfect competition - Monopolistic competition, Salicut characteristics of monopolistic competition, short run and long run price and output determination under monopolistic Competition, Economic efficiency and resource allocation.	11
V	Theory of a Monopoly firm -Characteristics of monopoly , short run and long run price and output determination of monopoly firm , Comparison of perfect competition and monopoly , Social cost of monopoly , natural monopoly.	11
VI	Consumer and Producer Theory - Externalities , internalising externalities , Public goods , imperfect information , adverse selection , moral hazard , social choice , government inefficiency.	11
VII	Income Distribution and factor pricing : Theory of rent, Wages interest and Profit .	11

VIII	Welfare Economics - Concept and Definition of Welfare Economics ; Normative and Positive Economics . Concept of social welfare, Role of value judgement in welfare economics, Pareto Optimality, Conditions of Pareto Optimality.	11
Suggested Readings: 1. Ahuja ,H.L(2013) : Advanced Economic Theory", S.Chand& Company. Shastri,Rahul.A (1999) Microeconomics", Orient Blackswan. 2. Ahuja,H.L (2012) :UcchatarArthikSiddhant", S.Chand& Company. New Delhi. 3. Dwivedi,D.N (2011) :Microeconomics-Theory & Applications", Pearson. 4. Lal. S.N (2013):ArthshastraKeSiddhant", Shiva Publishing House. Allahabad. Seth,M.L (2012) : ArthshastraKeSiddhant",Laxmi Narayan Publications.Agra 5. Lipsey. Richard&Chrystal.Alec (2011) : Economics", Oxford University Press Publications, New Delhi. 6. Pindyck,Robert.S., Rubinfeld.Daniel.L., Mehta.Prem.L(2009): Microeconomics". Pear son. 7. Salvatore. Dominic(2010) : Principles of Microeconomics", Oxford University Press Publications, New Delhi. 8. Samuelson,Paul.A& Nordhaus, William.D(2010): Economics". Tata McGraw Hill. • Koutsoyiannis, A (2008) (2nded): Modern Microeconomics". Macmillan. • Stonier.A.W&Hague.Douglas.C (2003)(5thed) : A Text Book of Economic Theory", Pearson.		
Suggested Continuous Evaluation Methods: Assignment / Test / Quiz(MCQ) / Seminar/ Presentations/ Research orientation of students.		
Suggested equivalent online Swayam Coursera		

BA 1st Year, Sem. II,
Course I
(Theory)

Program/Class: Degree/BA	Year: First	Semester: Second
Subject: Economics		
Code: A080201T /Paper Code- 0210801	Course Title: Macro Economics	
Course Learning Outcomes		
<ul style="list-style-type: none">Students are able to explain national income, comprehend calculation methods of national income, and concepts related to national income.Students are able to comprehend classical theory of employment and the Keynesian approach.Students are able to comprehend the concept of multiplier and it's working.Students are able to understand the relationship between inflation and employment.Students are able to relate factors determining national income such as consumption, saving and investment.Students are able to analyze different phases of trade cycle, demonstrate various trade cycle theories understand the impact of cyclical fluctuation on the growth of business, and lay policies to control trade cycle.		
Credits: 6		Core Compulsory
Max. Marks: -25*75		Min. Passing Marks: 33
Total No. of Lectms-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
I	Introduction: What is macroeconomics? Macroeconomic issues in an economy. Macro vs. Micro Economics, Limitations of Macroeconomics; Introduction to National Income. Concepts of GDP,	12

II	National Income Accounting : Meaning and concepts of National Income . Measurement of National Income, expenditure, product or value added methods nominal and real income, Problem in measuring national income.	12
III	Circular flow of Income : Circular flow of income in two . three and four- sector Green Accounting.	11
IV	Classical theory of Employment : Say's law of Market , Keynes objection to the classical theory ; Aggregate Demand and Aggregate supply function . Theory of Effective Demand ; consumption function, Average and Marginal propensity to consume.	11
V	The Investment Multiplier and its Effectiveness in developing countries. Theory of investment - Autonomous and Induced Investment, Determinants of Investment, Marginal efficiency of capital, Principle of Accelerator.	11
VI	Rate of Interest : Classical, Neo-Classical and Keynesian Theories of Interest. Indeterminateness in Liquidity Preference Theory	11
VII	Modern theory of Interest Rate Determination - Derivations of the IS and LM functions, IS - LM and aggregate demand ; Shifts in the AD Curve.	11

VIII	Inflation and Unemployment - Concept of inflation Types of inflation, relationship between inflation and unemployment. Phillips Curve in Short run and long run.	11
<p>Suggested Readings:</p> <ol style="list-style-type: none"> 1. Ackley, G (1976) : Macroeconomics: Theory And Policy, Macmillan, New York. 2. Ahuja, H.L (2012) : Macroeconomics: Theory and Policy , S. Chand & Company, New Delhi. 3. Ahuja, H.L (2012) : Samasti Arthshastra , S. Chand & Company, New Delhi. Lal, S.N (2012) : Samastibhavi Visleshan , Shiva Publishing House, Allahabad. 4. Branson, W.A (1989) : Macroeconomics Theory And Policy, Harper & Row. 5. D.L (1969) : Advanced Macroeconomics, McGraw Hill, New York. 6. Dornbusch, Rudiger & startz, Richard (2012): Macroeconomics , Tata McGraw Hill Education. 7. Dwivedi, D.N (2010) : Macroeconomics: Theory and Policy , Tata McGraw Hill Education. 8. Gupta, R.D. & Rana, A.S (2009) : Keynes post-Keynesian Economics , Kalyani Publishers, New Delhi & Ludhiana. 9. Hansen, A.H (1953) : A Guide To Keynes, McGraw Hill. 10. Jhingan, M.L (2010): Macroeconomics , Vrinda Publications, New Delhi. 11. Jhingan, M.L (2012) : Samasti Arthshastra , Vrinda Publications, New Delhi. 12. Shapiro, Edward (2005): Macroeconomic Analysis. Galgotia Publications, New Delhi. 13. Sikdar, Saumyen (2011) : Principles of Macroeconomics , Oxford University Press, New Delhi. 14. Surrey, M.J.C (1976) : Macroeconomic Themes, Oxford University Press. Romer, 		
<p>Suggested Continuous Evaluation Methods:</p> <p>Assignment / Test / Quiz (MCQ) / Seminar/ Presentations/ Research orientation of students.</p>		
<p>Suggested equivalent online</p> <p>Swayam</p> <p>Coursera</p>		




BA 2nd Year, Sem. III**Course I****(Theory)**

Programme/Class: Degree/BA	Year: Second	Semester: Third
Subject: Economics		
Code: A080301T /Paper Code- 0310801	Course Title: History of Economic Thought	
Course outcomes: <ul style="list-style-type: none">• To learn and discuss, at an advanced undergraduate level, how the economic thought has evolved over time.• Introducing students to the critical comparison of the contributions of the main schools of economics.o To introduce & highlight before the students about Indian Economic Thinkers and their valuable contribution in the field of Economics.o The classical, the marginalize revolution and its application to the theories of general and partial equilibrium, the current macroeconomic debate between the neo-classical and the Keynesian school.		
Credits: 6		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks: 33
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
	Sl.	
I	Early period . Economic thought of Plato and Aristotle Doctrines of Just cost and Just Price.	11
II	Mercantilism - Main Cherateristics : Major factors for the development of Merchantalism, Thomas Munn, Critical evaluation of Merchantalism.	12
III	Physiocrates Natural order , Primary of Agriculture , Social Classes , Tableau Economique , Taxation , Turgot - Economic Ideas of Petty , Lorke and Hume.	11
IV	Classical Period : Adam Smith, David Ricardo, Thomas R. Malthus , J. S. Mill.	12
V	The Socialist - Sismondi , Karl Marx and Neo marxism , Robert Owen , Louis Blane , State Socialism.	11
VI	The Nationalist -and Historical School - friedrichfredricklist , William Roscher , Bruno , Max Weber.	11
VII	Indian Economic Thought - Kautilya Dada Bhai Naoroji , J.K. Mehta , V.K.R.V. Rao , Ambedkar. M. K. Gandhi, Pt. Nehru.	11
VIII	Pt. D.D. Upadhayaya , Rom Manohar Lohia , Chaudhary CheranSugh A.K. Sen &Abhijeet Sen, JagdishBhagwati.	11

Suggested Readings:

1. Bhatia, H.L : History of Economic Thought , Vikash Publishing House.
2. Blackhouse, R (1985) : A History of Modern Economic Analysis, Basil Blackwell, Oxford.
3. Ganguli, B.N (1977) : Indian Economic Thought : A 19th Century Perspective, Tata Mcgraw Hill.
4. Hajela, T.N (2011) : Aarthik Vicharon Kaitihas , Ane Books.
5. Hajela, T.N (2011) : History Of Economic Thought , Ane Books.
6. Hunt, E.K & Lautzenheiser, Mark (2011) : History of Economic Thought: A Critical Perspective , Phi Learning.

7. Jhingan, M. L (2008): Aarthik Vicharon Kaitihas , Vrinda Publications, New Delhi.
8. Kautilya (1992), The Arthashastra, Translated And Introduced By L.N.Rangarajan, Penguin Books.
9. Loknathan, V (2009) : History of Economic Thought , S.Chand & Company.
10. Roll, Eric : History of Economic Thought, Faber.
11. Schumpeter, J.A (1954): History of Economic Analysis, Oxford University Press, New York.
12. Sinha, V.C (2011) : Aarthik Vicharon Kaitihas , Mayur Pu
13. Staley, Charles.E. "A History of Economic Thought: From Aristotle To Arrow", Blackwell Publishing.

Suggested Continuous Evaluation Methods:

Assignment / Test / Quiz (MCQ) / Seminar / Presentations / Research orientation of students.

Suggested equivalent online :

Swayam

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BA 2nd Year, Sem. IV
Course I
(Theory)

Program/Class: Degree /BA	Year: Second	Semester: Fourth
Subject: Economics		
Code:A080401T /Paper Code- 0410801	Course Title: Money, Banking and Public Finance	
Course outcomes:		
<ul style="list-style-type: none">Understand simple concepts related with monetary economics and banking theory.Correlate and apply to current events & key models and concepts of monetary economics and banking theory. <p>Appreciate the potential importance of monetary phenomenon in the economy.</p> <p>Understand the sources of finance both public and private</p> <p>Demonstrate the role of government to correct market failures and possible advantage of public financing.</p> <p>Understand the possible burden, benefits and distribution of various types of taxes among various classes of people, know the general trend and impact on general welfare and arouse them to suggest good and bad tax system.</p>		
Credits: 6		Core Compulsory
Max. Marks: 25*75		Min. Passing Marks: 33
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lecture s
I	Money - Meaning and functions of Money ,Grasham's Law , Monetry standards - Metallic and paper Systems of Note issue. Demand for money - Quantity theory of money - Cash Transaction and cash Balance Approaches: the Keynesian Approach.	12
II	Supply of Money: Definitions—Determinants of Money Supply—High Powered Money and Money Multiplier—Indian Currency system.	12
III	Commercial Banking - Meaning and Types , functions of Commercial Banks , Process of Credit Creation - Purpose and Limitations : Liabilities and Assets of banks , Evolution of Commercial Banking in India after Independence . A Critical Appraisal of the Progress of Commercial Banking.	11

IV	Central Bank - functions of Central Bank Qualitative and Quantitative methods of credit Control - Bank Rate Policy , Open Market Operations , Variable Reserve Ratio and Seletive methods , Role and functions of Reserve Bank of India , Objectives and Limitations of Monetary Policy with Special Reference to India.	11
V	Nature and Scope of Public finance ; Meaning and Scope of Public finance , Distinction between Private and Public Finance : Public Goods and Private Goods . The Principle of Maximum Social Advantage ; Market failure , Role of the Government.	11
VI	Public Expenditure - Meaning , Classification , Wagner's Principle, Wiseman and Peacock hypothesis , Canon's and Effects of Public Expenditure , Causes of Growth of Public Expenditure in India.	11


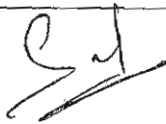
VII	Public Revenue - Sources of Public Revenue , Taxation Meaning , Canons of Taxation , Impact and Incidence of tation taxes , Taxable capacity effect of Taxation.	11
VIII	Fiscal Policy - instruments, Objectives of fiscal Policy , Role of Fiscal Policy in Developed and Developing Economy Anti- inflationary . and Anti - deflationary Fiscal Policy.	11
Suggested Readings: 4• Bagchi,Amaresh (2005) : Readings in Public Finance. Oxford University Press. *• Cullis,John& Jones Philip (2009) : Public Finance and Public Choice, Oxford University Press. â• Eyler,Robert (2009) : Money and Banking-An International Text ,Routledge. 4• Gupta, Janak Raj (2011): Public Economics in India Theory and Practice, Atlantic. 4• Gupta,S.B (2009) : Monetary Economics-Institutions, Theory & Policy , S.Chand& Company, New Delhi. Head, J.C (1974): Public Goods and Public Welfare, Durham, NC, Duke University Press. IngeKaul, Pedro Conceicao (2006): The New Public Finance, Oxford University Press. Jhingan ,M.L (2012) : Monetary Economics , VrindaPublications,NewDelhi. Jhingan, M.L (2012) :MaudrikArthshastra , Vrinda Publications, New Delhi. Johansen, Life (1965) :Public Economics, Chicago: Rand McNally. Khanna, Perminder (2005): Advanced Study in Money and Banking: Theory and Policy Relevance in The Indian Economy , Atlantic. Lal, S.N (2012): Mudra.Banking, Avam Videshi Vinimay , Shiva Publishing House.Allahabad. Margolis,J&Guitton,H : Public Economics (1974), Mcmillan. Musgrave,R.A (1959) , The Theory Of Public Finance, McGraw Hill. Musgrave,R.A& P.B. Musgrave (1989) : Public Theory: Theory & Practice, McGraw Hill. Nadar,E.Narayanan (2013) : Money and Banking , PHI Learning Press. Paul, R.R (2011): Money, Banking &Exchange ,Kalyani Publishers, Delhi. Seth, M. L (2012) :MaudrikArthshastra , Laxmi Narayan Publications,Agra. ❖ ShomeParthasarathi (2002): India's Fiscal Matters, Oxford University Press, New Delhi. ❖ Uppal, R.K (2011): Money, Banking and Finance in India- Evolution & Present Structure New Century Publications. ❖ ❖ Suggested Continuous Evaluation Methods: Assignment / test / Quiz(MCQ) / Seminar/Presentations/ Research orientation of students ❖ Suggested equivalent online Swayam Coursera		

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B A 2nd Year,
Sem.IV Course III
(Project)

Program/Class: Degree /BA	Year: Second	Semester: Fourth
Subject: Economics		
Code:A080504R / Paper Code-0510865	Course Title: Elementary Statistics Based Project	
Course outcomes: <ul style="list-style-type: none">• Students to be familiar with the concepts in Statistics.• The concepts comprehended by the students shall be put to use in practice.• The students become familiar with the practical aspects of preparing a questionnaire/interview schedule and putting them in usage.• The information/data collected by the students should be analyzed with the help of Statistical Tools taught so as to derive inferences.• The students shall experience the practical aspect of the theory of statistics being taught in the class room environment.• The students are able to use statistical tools vis-à-vis given real life situation.• Practical work to be based on the topics covered in the contents given below.		
Credits: 4		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks: 40
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
	Part I	
I	Introduction to Basic Concepts in Statistics: Population, Sample, Parameter, Data-Meaning & types. Questionnaire, Schedule & Interview Schedule (meaning, concept & types). Frequency Distribution, Cumulative frequency; Graphic and Diagrammatic representation of data.	45(Class room Teaching and Practical)
II	Measures of Central Tendency - Mean, Median, Mode, Geometric mean and Harmonic mean. (Meaning, concept, properties & methods of measurement-in brief. Measure of Dispersion: Range, Mean Deviation, Standard deviation, Coefficient of Variation, Quartile deviation, Skewness and Kurtosis (Meaning, concept, properties & methods of measurement-in brief.	
III	Correlation: Meaning, Concept, Types & Properties. Methods of Regression: Meaning and Concept. Least squares method, Interpretation of Regression Coefficients. Meaning, concept & types of Sampling. Meaning & concept of Hypothesis & hypothesis testing.	
IV	Time Series: Concept, Meaning & Components - Determination of Regular, Trend and Seasonal Indices. Index Number: Concept, Classification of Index Numbers-price relative, quantity relative, value relative & special purpose (in brief). Consumer Price Index(CPI), Whole Sale Price Index (WPI), Methods of Construction of Index Numbers- i Unweighted & ii Weighted indices (in brief). Test of Adequacy of Index Number Formulae (in brief).	

Suggested Readings:

- Elhance, D.L (2010) : Sankhiki Ke Siddhant (Hindi), Kitab Mahal.
- Greenlaw, Steven A (2005): Doing Economics: A Guide to Understanding and Carrying Out Economic Research.
- Gupta, S.P (2011) : Statistical Methods, Sultan Chand & Sons, Delhi.
- Hazarika, Padmalochan (2006) : Essential Statistics for Economics and Commerce , Akansha Publishing House.
- Kothari, C.R: Research Methodology: Methods & Techniques. New Age International Publishers ISBN (13) : 978-81-224-2488-1
- Leighton, Thomas (2011) : Using Statistics in Economics, Tata McGraw Hill Education.
- Lind, Wathen & Marchal (2013): Basic Statistics for Business & Economics, McGraw Hill Education.
- Newbold, Paul (2008) : Statistics for Business and Economics , Pearson Education.
- Richard , I. Levin. H. Siddiqui Masood S. Rubin David Sanjay Rastogi (2017): Statistics for Management. Pearson. ISBN-10 8184957491
- Sharma, J.K (2011) : Business Statistics "Pearson Education.

Note:

- ❖ Aforementioned Four units given are to be taught in the classroom keeping in view that the project is based on the use/application of the Statistical tools taught & as per the focus/objective of the problem.
- ❖ Students are expected to develop an understanding of how to prepare a questionnaire/interview schedule for the usage.
- ❖ The field work will be arranged by the department for which an institutional mechanism will be developed by the respective institution.
- ❖ The students will prepare a thorough report after the completion of the field work and submit it for the evaluation thereafter.
- ❖ The template/format for the submission of the report will be developed by the respective department.

Suggested Continuous Evaluation Methods:

Assignment / test / Quiz (MCQ) / Seminar/ Presentations/ Research orientation of students

Suggested equivalent online :

Swayam



BA 3rd Year, Sem. V

Course I

(Theory)

Programme/Class: Degree/BA	Year: Third	Semester: Fifth
Subject: Economics		
Code: A080501T /Paper Code- 0510801	Course Title: Economic Growth and Development	
Course outcomes: <ul style="list-style-type: none">• Students should be able to comprehend the concept and meaning of economic growth and economic development.• Students should be able to distinguish between economic growth and economic development.• Students should be able to comprehend the issues and challenges in economic growth and development. Students should be able to comprehend and explain the concept of poverty and human development & the related concepts. Students should be familiar with the approaches to development. Students should be able to understand and explain the factors and variable of economic development. Students are able to understand how international factors facilitate and impede economic development.		
Credits: 5		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks: 33
Total No. of Lectures-Tutorials-Practical (in hours per week): P- 2/w		
Unit	Topics	No. of Lectures
I	Economic Growth VS Economic Development " , Pre requisites of Economic growth . Obstacles to Economic growth . factors Affecting Economic growth and Development.	10
II	Concept of Poverty and Inequalities, a Vicious circle of -poverty, Lorenz Curve , Gini co - efficient concept of Human Development , Human Development Index . Concept of Sustainable development.	10
III	Lewis model labour of surplus economy .RosenteinRodan's theory of Big Push , Nelson's level equilibrium trap , Liebstien's critical Minimum Effects Thesis.	10
IV	Theory of Economic Growth . Classical Theories of Economic Growth , Marx's theory, Schumpeter's theory.	10
V	Model's of Economic Growth Harrod - Dombi's Growth Model ,Mrs Joan Robinson's Growth Model Mead. Model of Economic Growth .	10
VI	Technological Progress : Hicks vs Harrod's " Approach , Arrow's learning by doing approach to Economic Growth.	10
VII	Endogenous Vs Exogenous Growth , Intellectual Capital, Role of learning.	7
VI II	Role of Technology Transfer and Multinational Corporations in promoting development in development of developing Countries with Special Reference to India.	8

Suggested Readings:

- 4• Barro, Robert J and Xavier Sala-i- Martin, Economic Growth, The MIT Press, Cambridge, Latest Edition.
- Basu, Kaushik (2010): Analytical Development Economics: The Less Developed Economy, Oxford University Press.
- Dasgupta, Dipankar: Growth Theory, Oxford University Press, 2007
- Ghatak, S., An Introduction to Development Economics. Allen and Unwin London, latest edition.
- Hayami, Y., Development Economics, Oxford University Press, New York, 2010 (5th Impression)
- Hayami, Yujiro&Godo, Yoshihisa (2005) : Development Economics: From the Poverty to the Wealth of Nations, Oxford University Press.
- Hendrik Van Den Berg, Economic Growth and Development, McGraw-Hill International Edition, 2005
- Jhingan ,M.L (2013): Economics of Development and Planning, Vrinda Publications, NewDelhi.
- Jhingan ,M.L (2013): Vikas Ka ArthashastraEvamNiyojan, Vrinda Publications, NewDelhi.
- Lal ,S.N (2012): Vikas, NiyojanAwamParyavaran, Shiva Publishing House,Allahabad. Lekhi,
- R.K (2013): Economics of Development and Planning, Kalyani Publishers, New Delhi.
- Meier, G.M.. Leading Issues in Economics Development, Oxford University Press, New Delhi, Latest edition.
- Mishra,S.K&Puri,V.K (2012): Economics of Development and Planning, Himalaya Publishers, Mumbai.
- Ray Debraj, Development Economics, Oxford University Press, Latest Edition.
- Singh, Kartar&Shishodia (2007): Environmental Economics: Theory andApplications, SageIndia.
- Singh,S.R(2012):EnvironmentalEconomics,APHPublishingCorporation,Delhi.
- Somashekar, NT: Developmental Economics, New Age Publication (Latest edition)
- Taneja,M.L&Myer,R.M (2011): Arthashastra Ki YojnayeAwamVistaar, VishaPublishingCompany,Jalandhar (New Delhi).
- Thirlwall, A.P., Growth and Development with Special Reference to Developing Economies, Macmillan, UK, 1999.
- Todaro,Michael.P&Smith,Stephen.C (2011) : Economic Development, Pearson.



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BA 3rd Year, Sem. V
Course II (Optional)
(Theory)

Programme/Class: Degree/BA	Year: Third	Semester: Fifth
Subject: Economics		
Code: A080502T / Paper Code-0510802	Course Title: Environmental Economics	
Course outcomes: Students should be familiar with the basic concepts of ecology environment and economy. Students to understand the solution to environmental problems- the command and control approach, market based methods, tax tradable pollution permit, etc, carbon trading Students should be familiar with the concept of Sustainable development, environmental impact assessment CO 5: Global and local environmental concerns. Students should be comprehend the Local Issues of Economic Bearing related to environment & development. Students should realize the importance and influence of environment on the economy including the quality of manpower. Students should realize the importance to make cleaner environment so as to achieve harmonious		

development. Students should comprehend that environmental problem is not the problem of a single country or region but a global problem/issue. Demonstrate an awareness of economic growth problems, issues in globalisation, and provide grounding in major growth strategies and development.		
Credits: S		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks: 33
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
I	Introduction: Key environmental issues and problems, economic way of thinking about these problems, basic concepts from economics; Pareto optimality and market failure in the presence of externalities; property rights and other approaches.	10
II	The Design and Implementation of Environmental Policy: Overview. Pigouvian taxes and effluent fees, tradable permits, implementation of environmental policies in India and international experience; trans- boundary environmental problems; economics of climate change. Kuznets Curve .(added)	10
III	Environmental Valuation Methods and Applications: Valuation of non-market goods and services--theory and practice; measurement methods; cost-benefit analysis of environmental policies and regulations.	10
IV	Sustainable Development: Concepts; measurement; perspectives from Indian experience.	7
V	The Theory of externality- Positive & Negative externality; Public Goods; Private Goods; Public Bads; Market Failure and Pigouvian Solution- Pigouvian Tax.; Coase's Theorem And Property Rights; Eco- Labelling; Eco-Efficiency.	8

VI	Social Limits to Growth Model; Green Accounting; Environmental Valuation- Meaning, Need for Environmental Valuation, Methods of Environmental Valuation; Difficulty in Measuring Environmental Values, Environmental Damages and Its Valuation.	10
VII	Indian Constitution and the Environment; Environmental Management- Meaning and Concept, Objectives and Goals, Obstacles; Environmental Impact Assessment; Environmental Education and Awareness-Dilemma of Environmental Ethics and Practical Problems, Environmental Education in India.	10
VIII	Population and Environment; Trade and Environment in the WTO Regime; Climate Change- Meaning and Concept, Ozone Depletion, Acid Rain, Global Warming and Greenhouse Effect; Indian Environmental Issues and Legislations; Role of Judiciary in Environmental Protection and Conservation; International Environmental Issues and Legislations. Carbon Trading.	10
Suggested Readings: <ul style="list-style-type: none"> Bharucha, Erach :ParyavaranAdhyann, Orient Blackswan. Bhattacharya, RabindraNath (2002): Environmental Economics --- An Indian Perspective, Oxford University Press. Eugene,T (2005) : Environmental Economics, Vrinda publications, Delhi. Jhingan,M.L&Sharma,C.K (2009) : Environmental Economics Theory Mgt& Policy, Vrinda publications, Delhi. 		

Kolstad, Charles. D (2012): Intermediate Environmental Economics, Oxford University Press.

Nagre,Vijay.H (2012) : Environmental Economics, ChandralokPrakashan.

Singh, Kartar&Shishodia (2007): Environmental Economics: Theory and Applications, Sage India.

Singh, S.R(2012): Environmental Economics, APH Publishing Corporation, Delhi.

Smith, Stephen (2011): Environmental Economics: A Very Short Introduction, Oxford University Press.

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B A 3rd Year,
Sem.V Course II (Optional)
 (Theory)

Program/Class: Degree /BA	Year: Third	Semester: Fifth
Subject: Economics		
Code:A080503T / Paper Code-0510803	Course Title: International Economics	
Course outcomes: <ul style="list-style-type: none">• Students should be able to understand and explain the concept, need, significance and scope of international economics.• Students should be familiar with the approaches of international trade. Students should be familiar with and are able to explain the economic integration at the global level and the formation of groups. Students are familiar with the international organizations and their objectives. Students should be able to analyse the importance and relevance of these international organizations.		
Credits: 5		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks: 33
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
• Unit •	Topics	No. of Lectures
	Part I	
I	Need, Significance and Scope of International Economics. The Classical Theories of Trade -Adam Smith. David Ricardo: Opportunity Cost Approach; Terms of Trade-Meaning and Concepts, Factors affecting Terms of Trade; Mill's Reciprocal Demand Analysis.	8
II	Free Trade and Protection-Meaning of Free Trade, Arguments For and Against Free Trade, Meaning of Protection, Arguments for Protection-Economic and Non-Economic Arguments,	7
III	Theories and Forms of Economics Integration-Meaning & Benefits; Forms of Economic Integration- Custom Union: Production and Consumption Effects of Customs Union; Political Economy of Protection; SAFTA,BRICS,IBSA.	10
IV	Balance of Payments-Concepts , Adjustment Mechanisms of Balance of Payments- Adjustment Through Variations in Exchange Rates, Devaluation and Balance of Payments Adjustment, The Elasticity Approach, Marshall.	10

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V	Heckscher-Ohlin Theorem, The Leontief Paradox, Gains from Trade-Meaning and Types, Factors Determining Gains from Trade.	10
VI	International Financial Institutions-IMF, WORLD BANK, ADB; GATT-T-, WTO- TRIPS & TRIMS, WTO and India.	10
VII	Quantitative Restrictions: Quota-Meaning, objectives, Types and Effects of Import Quotas; Tariffs-Meaning Types and Effects of Tariffs; Non- Tariff Barriers-Meaning, Classification and Types.	10
VIII	Foreign Exchange-Meaning and Instruments, Exchange Rate Determination, Mint Par Parity theory, Purchasing Power Parity Theory, Fixed and Flexible Exchange Control and Methods of Exchange Control.	10
<p>Suggested Readings:</p> <ul style="list-style-type: none"> • Agarwal, Babita (2009) : Antarrastriya Arthshastra, Omega Publications. • Bhatia, H.L (2006) : International Economics, Vikash Publishing House. • Cherunilam, Francis (2008) : International Economics" Tata McGraw Hill Education. • Field, Alfred. I & Appleyard, Dennis. R (2013) : International Economics, McGraw Hill Education. • Gerber, James (2012) : International Economics, Pearson. • Jhingan, M.L (2011) : Antarrastriya Arthshastra, Vrinda Publications, New Delhi. • Krugman, Paul. R & Obstfeld, Maurice (2008) : International Economics, Pearson. • Lal, S.N (2012) : Antarrastriya Arthshastra, Shiva Publishing House, Allahabad. • Mannur, H.G (2001) : International Economics, Vikash Publishing House Pvt Ltd. • Salvatore, Dominick (2012) : International Economics: Trade & Finance, Wiley Publishers. • Sinha, V.C., Sinha, Pushpa & Sinha, Vivek (2011) : Antarrastriya Vyapar Avam Vitt, Mayur Publications. • Vaishya, M.C. & Singh, Sudama (2006) : International Economics , Oxford & IBH Publishing House, Delhi. 		
<p>Suggested Continuous Evaluation Methods: Assignment / test / Quiz (MCQ) / Seminar/ Presentations/ Research orientation of students</p>		
<p>Suggested equivalent online : Swayam</p>		

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BA3rd Year, Sem. VI

**Course I
(Theory)**

Program/Class: Degree /BA	Year: Third	Semester: Sixth
Subject: Economics		
Code: A080601T / Paper Code-0610801	Course Title: Indian Economy & Economy of Uttar Pradesh	
Course Outcome : <ul style="list-style-type: none">Students should be able familiar with the basic characteristics of Indian economy,Students should be able familiar with the it's potential on natural resources of Indian economy and the economy of Uttar Pradesh.		

<p>Students are able to understand the importance, causes and impact of population growth and its distribution, translate and relate them with economic development.</p> <p>Students are able to develop an understanding about Uttar Pradesh , its demographic feature, natural resources and factors that can stimulate its economic growth and development.</p> <p>Students should be familiar with the rural development of Uttar Pradesh over the period of time.</p> <p>Students should be familiar with the industrial development in India and in Uttar Pradesh.</p>		
Credits: 5		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks: 33
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
I	Salient Features of Indian Economy, Occupational Structure of Indian Economy.	8
II	Agricultural Sector: Institutional Reforms, Technological change in Agriculture, Terms of Trade between Agriculture and Industry; Agricultural Policy, Policies for Sustainable Agriculture. Agrarian Crisis and Agricultural Labour.	10
III	The Industrial Sector: Industrial Policy; Public Sector Enterprises and their Performance, Privatization and Disinvestment debate, MSME Sector, Industrial Labour. trade Union Movement.	10
IV	Planning in India: Objectives and Strategy of Planning; Success story of Indian Plans; Inclusive Growth. Resource mobilization for Development.	10
V	Nature, Features, Demographic Profile, Status of Natural Resources, Major Factors affecting growth and development in Uttar Pradesh. Economic and non-economic factors in economic development of Uttar Pradesh.	10
VI	Sectoral growth pattern in Uttar Pradesh; Economic growth in Uttar Pradesh and Indian economy: A comparison; Infrastructural development of Uttar Pradesh.	7




• VII	Pattern of land-holding and irrigation; production and productivity in agriculture, Farm mechanization, agricultural credit Agricultural policy and strategies in Uttar Pradesh, Rural Development in Uttar Pradesh.	10
• VIII	Problems and Policies. Major industries in Uttar Pradesh, Pattern of Industrial Development in Uttar Pradesh, Industrial Policy in Uttar Pradesh, Growth pattern of Services sector and Its linkages of other sectors of UP Economy. Micro, Small, Medium Enterprises (MSMEs) in Uttar Pradesh. One Product One District (OPOD).	10
Suggested Readings:		
<ol style="list-style-type: none"> 1. Agarwal, M K (2009): Uttar Pradesh ka Arthik Vikas. New Royal Book Company 2. Annual Financial Statement (Budget) of the Government of Uttar Pradesh published in different years & the latest. 3. Annual Financial Statement (Budget) of the Government of Uttar Pradesh published in different years & the latest. 4. Annual Financial Statement (Budget) various years & Latest published by the Government of India. 5. Economic Surveys, Government of India (Hindi/English) 		
<ol style="list-style-type: none"> 6. Indian Economy by Mishra & Puri. Himalaya Publishing House (Hindi /English) 7. Indian Economy by Uma Kapila, Academic Foundation 8. Indian Economy. RudraDutt & Sunderam. S. Chand & Company (Hindi /English) 9. Mishra, Arvind Narayan & Atul Chandra (2018): The Economy of Uttar Pradesh. Gutenberg Publication ISBN: 9789386240224, 9789386240224 10. Mishra. Arvind Narayan & Atul Chandra (2018): The Economy of Uttar Pradesh. Gutenberg Publication ISBN: 9789386240224, 9789386240224 11. Publications of the Government of Uttar Pradesh. 12. Publications of the Government of Uttar Pradesh. 13. Uttar Pradesh Human Development Report, UNDP, 2008. 14. Uttar Pradesh Human Development Report, UNDP, 2008. 15. Uttar Pradesh State Development Report, Volume I & II, State Plan Division, Planning Commission, Government of India, 2014. 16. Uttar Pradesh State Development Report, Volume I & II, State Plan Division, Planning Commission Government of India, 2014. 		
Suggested Continuous Evaluation Methods:		
Assignment / test / Quiz(MCQ) / Seminar/ Presentations/ Research orientation of students		
Suggested equivalent online : Swayam		

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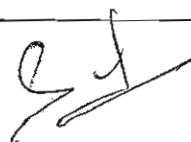
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BA 3rd Year
Sem. VI
Course II (Optional)
(Theory)

Program/Class: Degree /BA	Year: Third	Semester: Sixth
Subject: Economics		
Code: A080602T / Paper Code-0610802	Course Title: Agriculture Economics	
Course Outcome		
<ul style="list-style-type: none">Students should be able to comprehend and explain the approaches to economic development with respect to dualistic development. <p>Students should be able to understand and explain the basics of agriculture economics.</p> <p>Students should be familiar with labour issues in agriculture sector.</p> <p>Students should be able to explain the significance of agriculture in the economic growth and economic development of an economy and in case of Indian Economy.</p> <p>Students should be familiar with the institutional initiatives to strengthen the rural and agricultural development to achieve self sufficiency.</p> <p>Students should be able to comprehend the role of credit in the development of agriculture in a country like India and the significance of institutional mechanism in this regard.</p>		
Credits: 5		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks: 33
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
Part I		
I	Agriculture Economics – Meaning, Nature and Scope. Role of Agriculture in Economics Development; Inter Dependence of Agriculture and Industry, Agricultural Productivity.	10

II	Agricultural Production Function, Supply Response, Farm Size, Returns to Scale and Productivity. Farm Size and Productivity; Theoretical And Empirical Findings. Agricultural Price Policy in India.	10
III	Labour in Agriculture- Agricultural Labour- Problem and Policy. Concept and Measurement of Rural Poverty & Employment, Poverty Alleviation Programmes (in brief-the Objectives, Achievements & the Shortcomings).	10
IV	Current Issues in Indian Agriculture- Poverty & Food Security in India, Agro- Subsidies in India, Subsidy Vs Public Investment. Export and Imports of Agricultural Commodities, Terms of Trade in Indian Agriculture, WTO and Indian Agriculture-Bali Negotiations	10
V	Land Reforms in India & Its Contemporary Relevance, Green Revolution and the Need for Second Generation, Green Revolution, Role of Infrastructural Support-Irrigation, Power, Seeds Fertilizers, Marketing Support System and Roads in Agricultural Development in India..	10

VI	Role of Credit in Agricultural Development, Institutional & Non-Institutional Sources of Credit in India, Cooperative Movement in India (In Brief). Role of Schedule Commercial Banks, Lead Banks, Regional Rural Banks and NARBAD to Promote Agricultural Development.	10
VII	Agricultural Marketing: Meaning and Concept. Structure of Agricultural Markets in India, Issues and Challenges in the Marketing of Agricultural Products in India (With Focus On The Post Reform Period-Post 1991). Agricultural Diversification: Meaning, Concept & Issues. Crop Diversification: Meaning, Concept and Issues. Farm Incomes and Employment in Indian Agriculture.	8
VIII	Models of Agricultural Development: Physiocrats approach, W. A. Lewis model, Schultz Theory of Agricultural Development, Jorgenson's Dual Economy Model	7

Suggested Readings:

- Bardhan, P. (1984) Land, Labour and Poverty; Essays in Economic Development, OUP, New Delhi.
- Bhaduri, A. (1984), The Economic Structure of Backward Agriculture; Macmillan, Delhi.
- Bhalla, G.S., (2007) Indian Agriculture since Independence, National Book Trust, India
- Bharadwaj, K. (1974), Production Conditionin India Agriculture; OUP, Cambridge.
- Black, I.D, (1953) Introduction to Economics for Agriculture, Macmillan.
- Dantawala, M.L. et al. (1991): Indian Agricultural Development since Independence, Oxford & IBH, New Delhi.
- Dash, Mrutyunjay (2013): Agricultural Economics, Anmol Publications.
- Ghatak, Sand K. Ingerscant(1984),Agriculture and Economic Development; Select Books, New Delhi.
- Griffin, K.(1973): Political Economy of Agrarian Change.
- Gupta,P.K (2012) : Agricultural Economics. Vrinda Publications,Delhi.
- Gupta,P.K (2012) : KrishiArthsastra , Vrinda Publications, Delhi.
- Khusro, A.M.(1973), The Economics of Land Reforms and Farm Size in India, MacMillan.
- Kumar,N.S. Ravi (2010) : Agricultural Economics, Neha Publishers.
- Lekhi,R.K(2013) : Agricultural Economics, Kalyani Publishers.
- Lekhi,R.K(2013) : KrishiArthsastra, Kalyani Publishers.

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- Mahajan, Ashwani (2010): Agricultural Economics, Centrum Press.
- Mellor, J.W., The Economics of Agricultural Development, Vora and Co., Bombay, 1964.
- Raghavan and L. Sarkar (Eds.) (1996): Poverty and Employment: New Delhi.
- Raj, K.N. et.al. (1988): Essays in the Commercialization of Indian Agriculture; OUP, New Delhi.
- Rao, CHH (1993): Agricultural Growth, Rural Poverty and Environmental Degradation in India, OUP, New Delhi.
- Rao, CHH, (1975): Technological Change and Distribution of Gains in Indian Agriculture, MacMillan.
- Rudra, A. (1982): India Agriculture Economics; Myths and Reality: Allied Publishers, New, Delhi. Sarap Kailash (1991): Interlinked Agrarian Markets in Rural India, Sage Publication, New Delhi. Schultz, T.W.(1964): Transforming Traditional Agriculture, Yale University Press.
- Soni, R.N (2011): KrishiArthshastraKeMukhya Vishay, Vishal Publishing Company, Jalandhar (New Delhi)
- Soni, R.N (2011): Leading Issues In Agricultural Economics, Vishal Publishing Company, Jalandhar (New Delhi)
- Sunder, I (2010): Principles of Agricultural economics, Neha Publishers.
- Talathi, I.M (2008): Introduction To Agricultural Economics And Agribusiness Management, Ane Books.
- Taylor, H.C., (1949), Outlines of Agricultural Economics, MacMillan.

BA 3rd Year, Sem. VI
Course III(Optional)
 (Theory)

Program/Class: Degree /BA	Year: Third	Semester: Sixth
Subject: Economics		
Code: A080603T / Paper Code-0610803	Course Title: Elementary Mathematics	
Course Outcome		
<ul style="list-style-type: none">• Students should be familiar with the basis concepts of mathematics and their application in economics.• Students are able to comprehend & explain the concepts of straight lines slope etc of mathematics and its application in economics.• Students should be able to understand basics of differential & its application in economics.• Students should be able to understand and work with matrices and determine if a given square matrix is invertible.• Learn about and work with vector spaces and subspaces.• Students are able to understand and work with the concepts of linear programming & graphic methods.		
Credits: 5		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks: 33
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
I	Basic Concepts: Variables, Sets, Functions, Equations, Identities, Systems of Equations	9

II	Application of Straight Line System, Slope of the Line, Homogeneous Function.	9
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III	Role Of Mathematical Techniques In Economic Analysis, Theory of Numbers, Indices and Factorization.	9
IV	Progression, Growth Rate, Equilibrium.	9
V	Basics of Calculus: Rules of Differentiation of a Function; Maxima and Minima,	9
VI	Elasticities; Inter- relationships among Total, Marginal and Average Cost and Revenues; Constrained Optimisation Problem; Integration of a Function, Consumer's and Producer's Surplus	10
VII	Matrix and Determinants: Various types of Matrices, Determinants, Inverse of a Matrix, Cramer's Rule.	10
VIII	Concept of Linear Programming — Graphic Methods.	10

Suggested Readings:

1. Agarwal, D.R. (2009): Mathematics for Economics, Vrinda Publications, Delhi. Livernois, John., Rees, Ray., & Hoy, Michael (2012) : Mathematics for Economics , PHI Learning.
2. Agarwal, D.R. "Prarambhik Ganitiya Arthshastra (Hindi), Vrinda Publications, Delhi.
3. Allen, R.G.D (2008) : Mathematical Analysis for Economics , AITBS.
4. Bhardwaj, R. S (2006): Mathematics for Economics and Business, Excel Books.
5. Chiang, A.C & Wainwright, Kevin (2013) : Fundamental Methods of Mathematical Economics" McGraw Hill Publication.
6. Dowling, Edward T (2005): Schaum's Easy Outline of Introduction to Mathematical Economics , Tata McGraw Hill Education.
7. Madnani, G M K : Mathematics for Economics. Sultan Chand & Sons
8. Mishra, J.P. "Ganiteeya Arthshastra", Pratiyogita Sahitya.
9. Rosser, Mike (2003) : Basic Mathematics for Economists , Routledge.
10. Seth, M. L.: "Arthshastramei Prarambhik Ganit", Laxmi Narayan Publications, Agra.
11. Sharma, J.K (2007): Business Mathematics, Ane Books Pvt. Ltd.
12. Yamane, Taro (2007) : Mathematics For Economists : An Elementary Survey , PHI Learning

Suggested Continuous Evaluation Methods:

Assignment / test / Quiz (MCQ) / Seminar/ Presentation/ Research orientation of students

Suggested equivalent online
Swayam

Detailed Syllabus
For
B.A. (ECONOMICS)
4 Year UG Honours
Program / Honours with
Research
(As Per NEP)



Programme/ Class: B.A	Year: Fourth	Semester: 1/7
Subject: Economics		
Course Code: 0710821	Course Title: Micro Economics I	(Theory)
Course Objectives- This paper analyses the economics behaviour of individuals, firms and markets. It is mainly concerned with the objective of equipping the students with various aspects of consumer behaviour and demand analysis, production theory, product pricing and market behaviour, welfare economics, general equilibrium and analysis of economic behaviour under uncertainty and game theory.		
Credits: 4		Core Compulsory
Max. Marks: 25+75 {Internal + External }		Min. Passing Marks: 40
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0		
Unit	Topic	No. of Lectures = 60
I	Introduction- Basic Economic problem choice and Scarcity: Deductive and inductive methods, Positive and Normative Economics, Economic models.	12
II	Consumer Behaviour: Properties of indifference curve: Price and income Substitution Effects, Hicks and Slutsky Approach and Applications, Derivation of demand curves and income Consumption curves from indifference curves, Applications of Elasticity of demand, relation between elasticity, Marginal revenue, Average revenue and Total revenue, Revealed Preference theory.	12
III	Theory of Production and Cost- Theory of Production and Cost Production function short period and long period: law of variable proportions and returns to scale, Isoquants least cost combination of inputs; Expansion path, Concepts of product line Isoclines and ridge line, Multiproduct firm; Elasticity of substitution; Cobb- Douglas and CES Production Functions. Theories of cost derivation of cost functions from production functions; derived demand for factors.	12
IV	Market Structure (a): Price and output determination under Perfect Competition short run & long run equilibrium, Monopoly- Short run & long run equilibrium, Price Discrimination, Monopolistic Competition.	12
V	Market Structure (b): Price and output determination under Oligopoly- non collusive (Cournot, Bertrand, Edgeworth, Chamberlin, Kinked demand curve and Stackelbert's solution) and collusive (Cartels and mergers, price leadership and basing point price system) models: Productive and allocative efficiency in the markets.	12
Teaching Learning Process: Class discussion/ demonstrations, Power point presentation, Class activities/ assignment, Field visits, internship, etc.		
Suggested Reading: (Please refer to the latest editions)		

1. Koutsobianis, A, 1979, Modern Economics, (2nd Edition), Macmillan Press, London.
2. Samuelson and Nordhaus, Economics, Tata McGraw Hill Publishing Company Ltd, New Delhi
3. Mas Colell, Andreu, Michael D. Whinston and Jerry R. Green (1995), Microeconomic theory, Oup, New York.
4. Jehle & Renne, Advanced Microeconomic theory, Pearson Education, India
5. Varian, Hall R. (1992), Microeconomic analysis (Third Edition), W.W. Norton & Company, New York, London
6. Varian, Hall R (1990), Intermediate Microeconomics, W.W. Norton & Company, New York, London
7. Paul A. Samuelson, Economics
8. J.R. Hicks, Value and capital
9. Hildenbra, W. and Kirnam .A.P (1976), Introduction of equilibrium analysis.
10. T, (2012), Annie theory; an introduction, Princeton University Press.
11. Arrow, K.J (1974), General Economic Equilibrium, Purpose, Analytic Techniques, collective choice, American Economic Review Vol 64 PP 253- 273
12. Arrow, K.J. (1968), Economic equilibrium 'in international encyclopedia of the social sciences, David Sills, Vol 4, pp 376- 386, Reprinted in collected papers of K.J. Arrow, vol. 2, Chapter 6.
13. Arrow, K.J. "An explanation of the basic theorems of classical welfare economics" in Peter Newman (ed) reading in mathematical economics, Vol. I
14. Iller, Brian (1997), The economics of asymmetric information, palgrave macmillan.
15. Arrow, K.J. (1963), Social choice and individual values, cowls foundation (Yale University Press; New Delhi.
16. H.L. Ahuja Advance Micro Eco theory, S. Chand Publication, New Delhi.

This Course can opt as an elective/ value-added course by the students of the following subject: Open to all

Suggested Continuous Evaluation Methods: Assignment, Internal, Quiz, PPT presentation, External Examination etc.

Suggested Equivalent online course: Suggestive digital platforms web links - ePG - Pathshala , IGNOU & UPRTOU online study material SVAYAM Portal <http://heecontent.upsdc.gov.in/Home.aspx>

Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.

Programme/ Class: B.A		Year: Fourth	Semester: 1/7
Subject: Economics			
Course Code: 0710822		Course Title: Macro Economics I	(Theory)
Course Objectives- Macroeconomics analyse and establishes the functional relationship between the large aggregates, macroeconomic analysis has assumed such a great significance in recent times that a prior understanding of macroeconomic theoretical structure is considered necessary for the proper comprehension of the different issues and policies.			
Credits: 4		Core Compulsory	
Max. Marks: 25+75 {Internal + External }		Min. Passing Marks: 40	
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0			
Unit	Topic		No. of Lectures = 60
I	Nature & Technique of Macro Economics, Macro statics & Macro dynamics:- National Income Output and Employment: National Income: Concepts and Measurement, Social Accounting Concept and Techniques, Net Economic Welfare (NEW), Measures of Economic Welfare (MEW) Income Determination in three and four sector model including foreign spending.		12
II	Classical Theory of Income and Employment- Say's law, Price-wage flexibility of full Employment, Keynes, Theory of Employment, Concept of effective demand, Aggregate demand function, aggregate supply function, applicability of Keynes theory of employment in developing economics.		12
III	Consumption and Investment: The Consumption function, absolute and relative, permanent income hypothesis, life cycle theory of consumption; Factors affecting consumption, consumption under uncertainly- the modern approach. Investment function- Neoclassical and Keynesian versions, Concept of MEC, Determination of investment, Saving-investment equilibrium.		12
IV	Multiplier and acceleration principle: Foreign trade multiplies, The Multiplier Acceleration Interaction. Inflation- Concept and types, demand pull and cost push inflation, deflation, Philips curve and concept of stagflation, Methods of inflation control- monetary and Keynesian approach.		12
V	Fiscal Policy- Objective and its instruments, fiscal policy in developed and developing economics, mundell fleming open economy model.		12




Teaching Learning Process: Class discussion/ demonstrations, Power point presentation, Class activities/ assignment, Field visits, internship, etc.

Suggested Reading: (Please refer to the latest editions)

1. Shapiro, E. 2005. Macroeconomic Analysis (5th Edition |), Galgotia Publication, New Delhi.
2. Froyen R.T. 2005, Macroeconomics (7th Edition), Pearson Education, Delhi
3. Mankiw, N.G. 2006, Macroeconomics, (5th Edition), Worth publications, New York.
4. Carlin, W and Soskice, D. 2007, Macroeconomics (Indian Edition)
5. Levacic, R. and Rebman, A. 1982 Macroeconomics- An introduction to Keynesian neoclassical controversies, (2nd Edition), Macmillan, London.
6. Hall, R.E. and Taylor, J.B. 1997, Macroeconomics (5th Edition), W.W. Norton and Company, New York, London
7. Sebold, V. Macroeconomics Models and Policy, WIE Wiley.
8. Hajela. T.N. Macroeconomics theory, Ane Books Pvt. Ltd. Delhi
9. Ahuja, H.L. Advanced Macroeconomics theory, S. Chand publication, New Delhi
10. <http://www.journals.elsevier.com/journalofmacroeconomics>
11. <http://onlinelibrary.wiley.com>
12. <http://www.ccsenet.org>
13. <http://journals.cambridge.org>
14. <http://www.oxfordjournals.org>
15. <http://www.economist.com>
16. <http://www.macrobasics.com>
17. <http://econ.worldbank.org>

This Course can opt as an elective/ value-added course by the students of the following subject: Open to all

Suggested Continuous Evaluation Methods: Assignment, Internal, Quiz, PPT presentation, External Examination etc.

Suggested Equivalent online course: Suggestive digital platforms web links - ePG - Pathshala , IGNOU & UPRTOU online study material SVAYAM Portal <http://heecontent.upsdc.gov.in/Home.aspx>

Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.

Programme/ Class: B.A	Year: Fourth	Semester: 1/7
Subject: Economics		
Course Code: 0710823	Course Title: Elementary Statistics Analysis	(Theory)
Course Objectives- The main objective of this paper is to equip the students to use the techniques of mathematics and statistical analysis to understand and analyse economic problem. The Paper deals with simple tools and techniques of that will help a students to analyse data and draw inferences of various statistical hypothesis.		
Credits: 4		Core Compulsory
Max. Marks: 25+75 {Internal + External}}		Min. Passing Marks: 40
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0		
Unit	Topic	No. of Lectures = 60
I	Statistics, Meaning, functions, limitations & Importance	12
II	Sampling and Data Collection, tabulation and diagrammatic presentation of Date	12
III	Statistical Averages, Standard deviation, dispersion, measures of Variation and Skewness and Measures of Variance.	12
IV	Analysis of time series, Interpolation and Extrapolation.	12
V	Distribution and Hypothesis testing: theoretical frequency distribution- Properties of binomial, normal and poisson distribution, Simple Numerical, Exercises Test of significance, Problems based on t chi square and z test.	12
Teaching Learning Process: Class discussion/ demonstrations, Power point presentation, Class activities/ assignment, Field visits, internship, etc.		
Suggested Reading: (Please refer to the latest editions) <ol style="list-style-type: none"> 1. Monga, G.S (1972) Mathematics and Statistics for Economist, Vikas Publishing House, New Delhi. 2. Allen, R.G.D (1974) Mathematical Analysis for economists, Macmillan press and ELBS, London 3. Chiang, A.C (1986) fundamental Methods of Mathematical Economics, Mcgraw Hill, New York. 4. Yamane, Teru (1975) Mathematics for Economists, Prentice Hall of India, New Delhi. 5. Yule & Kendall An Introduction to the Theory of Statistics. 6. A.L. Bowley Elements of Statistics. 7. Dixon and Massey Introduction to Statistical Methods. 8. Nagar, A. L. and Basic Statistics, Oxford University Press, New Delhi R.K. Das (1993). 9. D.N. Elhance Fundamentals of Statistics. 10. S.P. Gupta Statistical Methods (Sultan Chand & sons) 11. Grewal, P.S. 1990, Methods of Statistical Analysis sterling publishing house, New Delhi. 		
This Course can opt as an elective/ value-added course by the students of the following subject: Open to all		

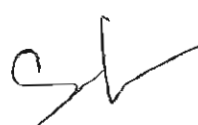
Suggested Continuous Evaluation Methods: Assignment, Internal, Quiz, PPT presentation, External Examination etc.

Suggested Equivalent online course: Suggestive digital platforms web links - ePG - Pathshala , IGNOU & UPRTOU online study material SVAYAM Portal <http://heecontent.upsdc.gov.in/Home.aspx>

Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.

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Programme/ Class: B.A	Year: Fourth	Semester: 1/7
Subject: Economics		
Course Code: 0710824	Course Title: History of Economic Thought	(Theory)
Course Objectives- The main objective of this paper is to equip the students to use the techniques of mathematics and statistical analysis to understand and analyse economic problem. The Paper deals with simple tools and techniques of that will help a students to analyse data and draw inferences of various statistical hypothesis.		
Credits: 4		Core Compulsory
Max. Marks: 25+75 {Internal + External}}		Min. Passing Marks: 40
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0		
Unit	Topic	No. of Lectures = 60
I	Early Period- Economic thoughts of Plato and Aristotle Mercantilism, Physiocracy.	12
II	Classic System- Malthus, Adam Smith, David Ricardo, J.S. Mill, Karl Marx.	12
III	New classical and Nationalist – A. Marshall, J. M. Keynes. - Fredrick list, Adam Mular.	12
IV	Indian Thinkers- Manu, Kautilya, Dadabhai Naoroji, Gandhi ji, R.M Lohiya, Chaudhary Charan Singh.	12
V	Indian Thinkers -9 J.K. Mehta, Amratya sen, B.R. Ambedkar, VKRV Rao.	12
Teaching Learning Process: Class discussion/ demonstrations, Power point presentation, Class activities/ assignment, Field visits, internship, etc.		
Suggested Reading: (Please refer to the latest editions)		
1. Smith, A.	An Enquiry into the Nature & Causes of the Wealth of Nations.	
2. Ricardo, D.	Principles of the Political Economy and Taxation	
3. St. Clair, O.	A Key to Ricardo	
4. Saraffa, P, (ed)	Works of David Ricardo	
5. Dr. J.P Mishra	History of Economic Thought(Hindi)	
6. J.C Pant and M.L Seth	History of Economic Thought(Hindi)	
7. Dr. Mahesh Chand Chaturvedi	History of Economic Thought(Hindi)	
8. Dr. Mithlesh Chand Chaturvedi	History of Economic Thought(Hindi)	
6. Roll, E.	A History of Economic thought (Feber & Feber).	
7. Schumpeter, J.A.	A History of Economic Analysis (George Allenand Udwin).	
8. Meek, R.L.	The Economics of Physiocracy.	

9. Walras, L.	Elements of Pure Economics.
This Course can opt as an elective/ value-added course by the students of the following subject: Open to all	
Suggested Continuous Evaluation Methods: Assignment, Internal, Quiz, PPT presentation, External Examination etc.	
Suggested Equivalent online course: Suggestive digital platforms web links - ePG - Pathshala , IGNOU & UPRTOU online study material SVAYAM Portal http://heecontent.upsdc.gov.in/Home.aspx	
Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.	

Programme/ Class: B.A		Year: Fourth	Semester: 1/7
Subject: Economics			
Course Code: 0710825		Course Title: LABOUR ECONOMICS	(Theory)
Course Objectives- This paper exposes students to theoretical as well as empirical issues relating to the labour market with special references to India. Its main objective is to develop students abilities in acquiring a better understanding of function of labour market.			
Credits: 4		Elective (a)	
Max. Marks: 25+75 {Internal + External }		Min. Passing Marks: 40	
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0			
Unit	Topic		No. of Lectures = 60
I	Labour and productivity Labour: Characteristics of labour, role of labour in economics development employment and unemployment mobility of labour. Methods of recruitment and placement; the role of Employment service organization. Productivity: Meaning and measurement; factors affecting productivity. Rationalization.		12
II	Wages: Theories of wage rate determination; methods of wage payment minimum wage living wage and fair wage, wage differentials, wage and wage boards, bonus systems. profit sharing. National wage policy, co-ordination of price, incomes and wage policy in India.		12
III	Industrial Relation: Industrial disputes and industrial peace, methods of settlement and prevention of industrial disputes; Industrial relation in India, workers participation in management.		12
IV	Trade Unions and Social Security: Trade Unions; collective bargaining and wage theory. Trade union movement in India, problems and limitation. Social security: Meaning and evolution, social assistance and social insurance, social security and labour welfare in India.		12
V	Labour policy: Labour policy in India and need for manpower planning.		12
Teaching Learning Process: Class discussion/ demonstrations, Power point presentation, Class activities/ assignment, Field visits, internship, etc.			
Suggested Reading: (Please refer to the latest editions)			
1. R.A. Lester : Economics of Labour			
2. J.T. Dunlop (ed.) : The Theory of Wage Rate Determination			
3. J.R. Hicks : The Theory of Wages.			
4. G.C. Hallen : Dynamics of Social Security			
5. I.I.O. : Approaches to social security			
6. I.I.O. : Problems of wage policyming Asia			
7. T.N. Bhagoliwala : Economics of Labour and social welfare			
8. S.C. Pant : Indian labour Problems.			

9. Report of the National Commission on Labour (1969).
10. Indian Labour Journal (Monthly)
This Course can opt as an elective/ value-added course by the students of the following subject: Open to all
Suggested Continuous Evaluation Methods: Assignment, Internal, Quiz, PPT presentation, External Examination etc.
Suggested Equivalent online course: Suggestive digital platforms web links - ePG - Pathshala , IGNOU & UPRTOU online study material SVAYAM Portal http://heecontent.upsdc.gov.in/Home.aspx
Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.

Programme/ Class: B.A	Year: Fourth	Semester: 1
Subject: Economics		
Course Code: 0710826	Course Title: ECONOMICS OF INFRASTRUCTURE	(Theory)
Course Objectives- The main objective of this course is to familiarize the students with role of infrastructure in Economic development and growth and key issues in financing governance and interregional disparities.		
Credits: 4		Elective (b)
Max. Marks: 25+75 {Internal + External }		Min. Passing Marks: 40
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0		
Unit	Topic	No. of Lectures = 60
I	Introduction: Infrastructure and economic development- Infrastructure as a public good; Social and physical infrastructure; Economics of scale of joint supply; Marginal Cost pricing vs. other methods of pricing in public utilities, Cross subsidization free prices, equity and efficiency issues in privatization of infrastructure, Infrastructure Finance, Public Private Partnership (PPP), Models and Examples in PPP.	12
II	Physical Infrastructure- Transport Infrastructure: Demand for transport infrastructure, Principle of Pricing Railways, roadways, airways and waterways, Progress, Pricing Technological Advancement and Challenges.	12

	New policies/programmes related to each mode of transportation intermodal condition in the Indian Situations.	
III	Economics Infrastructure Energy: Primacy of energy in the process of Economics Development. Factors Determining Demand for Energy. Effects of Energy Shortages Energy Conservation Renewable and Non-Conventional Sources of Energy. Electricity, Gas and Water Supply- Bulk supply and Pricing of Electricity. The Relative Economics of Thermal, Hydel and Nuclear Power Plants. The case for a National Power Grid, Financing Water Utilities Urban and Rural Water Supply. The Exploitation of Natural Gas, Pricing Problem.	12
IV	Social Infrastructure Education: Concept scope and relevance of Human Resource and Human Capital Development Education and Economic Development, Rate of Return and Manpower Balance Approaches, Progress on Universalisation of Primary Education Performance of Secondary Technical Professional and Higher Education New Education Policy. Health: Health Dimension of Development Health Facilities in India, State and Provision of Health Issues in Privatization of Health Services.	12
V	Latest Issues in Infrastructure: Urban Infrastructure, Smart Cities Components, Performance and Challenges, Science and Technology infrastructure in India, Recent debate about the fixation of prices of social services.	12

Teaching Learning Process: Class discussion/ demonstrations, Power point presentation, Class activities/ assignment, Field visits, internship, etc.

Suggested Reading: (Please refer to the latest editions)

1. Crew, M.A. and P.R. Public Utility economics, Mcmillan, London.
2. Parikh, K.S. (Ed.) (1999): India development report 1999-2000, Oxford, New Delhi.
3. Nelson, J.R. (1964): Marginal Cost Pricing in Practice, Prentice - Hall, Englewood Cliff.
4. Goel. M.M. (2011), Economics of Human Resource Management in India, V.K. Global Publication, New Delhi.
5. Morris, S. (2007), Infrastructure, in Kaushik Basu (Ed.). The Oxford Companion to Economics in India, Oxford University Press, New Delhi.
6. Panchamukh, P.R. (1980), Economics of Health: A trend report in ICSSR, A Survey of Research in Economics, Vol. VI, Infrastructure, Allied, Delhi.
7. Raghunam, G.R. Jain S. Morris, P. Pangotra and S. Sinha (Eds.) 1999, Infrastructure development and financing: publishing private partnership, Macmillan India Ltd. New Delhi.
8. Philips, A. and O.E. Prices: Issues in theory, practive and public Williamson (Eds.) (1967) Policy, University of Pennsylvania Press, Philadelphia.
9. Pachauri, R and D (Ed.) (1980) : Energy policy for India, Macmillan Co. of India, New Delhi.
10. Government of India (1997), The India Infrastructure Report, Vols, I, II and III NCAER and Government of India, New Delhi (Chairman, Rakesh Mohan).

This Course can opt as an elective/ value-added course by the students of the following subject: Open to all

Suggested Continuous Evaluation Methods: Assignment, Internal, Quiz, PPT presentation, External Examination etc.

Suggested Equivalent online course: Suggestive digital platforms web links - ePG - Pathshala , IGNOU & UPRTOU online study material SVAYAM Portal <http://heecontent.upsdc.gov.in/Home.aspx>

Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.

Programme/ Class: B.A	Year: Fourth	Semester: 1/7
Subject: Economics		
Course Code: 0710827	Course Title: ECONOMICS OF EDUCATION AND HEALTH	(Theory)
Course Objectives- Economics of education and health is the application of micro economics theories in the field of education and health. To convert a population into human capital education and health are the two important factors. This paper gives an insight into basic concepts of these theories that can be applied in the field of education and health to develop the country.		
Credits: 4		Elective (c)
Max. Marks: 25+75 {Internal + External }		Min. Passing Marks: 40
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0		
Unit	Topic	No. of Lectures = 60
I	Economics of education: Concept and Importance, Education as an instrument of Growth, Demand for education private and social demand, Cost of education Private and Social cost, Waste and Stagnation, Benefits of Education Direct and Indirect Private and Social benefits, Cost benefit model, Education Production function, Education Productivity and Income, Educational Indicators.	12
II	India's Educational System: Problems and suggestion Primary, Secondary and higher level, Education and Earnings, Human Development concept and measurement, Human Development Index of India, Human capital in India, New National policy of Education financing of Education in India, Expenditure on Education during post reform period.	12
III	Health Economics: Concept, Scope and Importance, Health Indicators, Determinates of Health status, Economic Dimensions of Health care Demand and Supply of Health	12

	Care Disease burden and its Measurement, Economics Appraisal in Health Care Cost benefit, Cost effectiveness and cost minimization approaches, Environment and Health, Poverty and Health.	
IV	India's Health Care System: Public Health Scenario in India- Burden of Diseases Infant and Child Mortality Rates, Maternal Health, Infections and Parasitic Diseases, Life Style Diseases, Morbidity and Physical Disability, Health Care Infrastructure in India Primary, Community and Apex level, Health Care Expenditure in India, New National Policy on Health.	12
V	Health Care Markets: Concept Types and Importance Health Insurance, Information Asymmetries in Health Insurance Market, Externalities in Health Care markets, Hospitals and the Theory of Non-profits, Technological Change and Health Care, International Health Organization WHO and other UN Agencies.	12

Teaching Learning Process: Class discussion/ demonstrations, Power point presentation, Class activities/ assignment, Field visits, internship, etc.

Suggested Reading: (Please refer to the latest editions)

1. Blaug, M- Introduction to Economics of Education, Penguin, London.
2. Ainyemi, Samuel The Economics of Education (2013)
3. Brewer. D.J. & Patrick, J.M Economics of Education Elsevier publication.
4. Glied, S. & Smith, P.c. The osrord handbook of health economics.
5. Henderson, J.W. Health economics and policy.
6. Human Development index report (latest)
7. Human Capital Index Report (2018) "The Changing Nature of Work" by World Bank.
8. Economics Survey, Government of India (Latest)
9. Government of India Budget (Latest)
10. National Human Development Report (Latest)
11. India Development Report (Latest)
12. WHO Reports on Health
13. National family health survey (NFHS) Survey

This Course can opt as an elective/ value-added course by the students of the following subject: Open to all

Suggested Continuous Evaluation Methods: Assignment, Internal, Quiz, PPT presentation, External Examination etc.

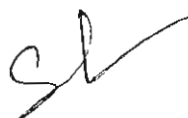
Suggested Equivalent online course: Suggestive digital platforms web links - ePG - Pathshala , IGNOU & UPRTOU online study material SVAYAM Portal <http://heecontent.upsdc.gov.in/Home.aspx>

Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.

Note- if any student is doing any practical work in the field of education health (e.g. providing free education in any government school or at any other place, participating in health awareness delivery programmes with District official/NGO/Individual level etc) to improve status of health and education of the people/society. Assignment in

international examination can be on it and marks can be given by internal teacher and it may be included in best practices of the college. Viva- voice presentation can also be made on it.

Programme/ Class: B.A	Year: Fourth	Semester: 1
Subject: Economics		
Course Code: 0710865	Course Title: Project on Local Problems (Regarding Agriculture, Industry, Bank etc)	(Practical)
Course Objective with outcomes- The objective of this course is to provide exposure with industry. The industrial visit is designed for the students who want to engage in real economic analysis outside the classroom		
Credits: 4		Elective
Max. Marks: 100 (Report Presentation)		Min. Passing Marks: 40
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0		
General Outlines		
	The course will be evaluated on the basis of report submitted and presented by the student before the examiners.	
Teaching Learning Process: Internship, Exposure with reputed industry		
This Course can opt as an elective/ value-added course by the students of the following subject: Open to all		
Suggested Continuous Evaluation Methods: Assignment, Report, PPT presentation, and Viva-Voice.		
Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.		

Programme/ Class: B.A	Year: Fourth	Semester: II / VIII
Subject: Economics		
Course Code: 0810821	Course Title: MICRO ECONOMICS II	(Theory)
Course Objectives- The paper deals with the Micro and Macro theories of Distribution, Welfare Economics, General Equilibrium in closed and open systems and analysis of Economic Behavior Under Uncertainty.		
Credits: 4		Core Compulsory
Max. Marks: 25+75 {Internal + External }		Min. Passing Marks: 40
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0		
Unit	Topic	No. of Lectures = 60
I	Theory of Distribution- Determination of rent, wages, interest and profit; Neoclassical approach Marginal productivity theory; Elasticity of technical substitution, technical progress and factor shares; Theory of distribution in imperfect product and factor markets;	12
II	General equilibrium- Partial and General equilibrium, Walrasian excess demand and input output approaches to general equilibrium, existence, stability and uniqueness of equilibrium and general equilibrium, coalitions and monopolies.	12
III	Welfare economics- Classical approach: The principle of Compensating Variation, Hicksian types of consumer's surplus, Slutsky's approach to measurement of consumer's surplus. The concept and the conditions of Pareto Optimality, Pareto optimality in the General Equilibrium system, compensation criteria, contributions of Barone, Hicks and Kaldar, Scitovsky's criterion.	12
IV	New Welfare Economics: Social Optimum, Community indifference map, Samuelson's utility possibility curve, Bergson's Concept of Welfare and its measurement, Social Welfare Function, the theory of second best, Social Choice, Arrow Impossibility Theorem.	12
V	Problems of non-market interdependence, externalities in production and consumption, external economics and diseconomics, Problems of Public Goods and negative spillovers. The problem of market failure, uncertainty and non-existent and incomplete markets:	12
Teaching Learning Process: Class discussion/ demonstrations, Power point presentation, Class activities/ assignment, Field visits, internship, etc.		
Suggested Reading: (Please refer to the latest editions)		
1. Glould & Lagear micro economics.		

2. Richard A. B|Las Micro economic theory.
3. Paul, A. Samuelson economics.
4. J.R. Hicks value and capital
5. R.H. Lelftwich the price system and resource allocation
6. W.I Baumol economics Theory & operations analysis.
7. John robinson the economics of imperfect competition.
8. A.E.A. Readings in price theory.
9. E.H.Chamberlin the theory of Monopolistic competition.
10. J.M. Joshi theory of value, distribution and welfare economics.

Additional reading list:

1. Milton rriendoman price theory- a provisional text.
2. W.J.L. Ryan | Price theory.
3. K.E. boulding economic analysis, volume |I
4. A. Koutsoyiannis modern micro economics.
5. Choudhary, Kalyanjit modern Micro economic theory, pragati publication Delhi Roy |(1999)
6. Joseph E. Stiglitz economics, W.W. Norton |& Company, New York. London

This Course can opt as an elective/ value-added course by the students of the following subject: Open to all

Suggested Continuous Evaluation Methods: Assignment, Internal, Quiz, PPT presentation, External Examination etc.

Suggested Equivalent online course: Suggestive digital platforms web links - ePG - Pathshala , IGNOU & UPRTOU online study material SVAYAM Portal <http://heecontent.upsdc.gov.in/Home.aspx>

Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.

Programme/ Class: B.A	Year: Fourth	Semester: II / VIII
Subject: Economics		
Course Code: 0810822	Course Title: MACRO ECONOMICS -II	(Theory)
Course Objectives- The objective of this paper is to enable to students to understand theory. practice of money and banking and analysis the interconnection between the monetary forces and real forces, their developmental role and limitations in shaping the economy.		
Credits: 4		Core Compulsory
Max. Marks: 25+75 {Internal + External }		Min. Passing Marks: 40
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0		
Unit	Topic	No. of Lectures = 60
I	Evaluation of Money- Types and classification of money, monetary standards and functions of money.	12
II	Demand for money- Classical and Keynesian approach, fisher and Cambridge approach, Miltom Frienman, Patinkin, Baumol and Tobin theory. Supply of money- Compositions and Determinants, high powered money, concepts of money supply in India,	12
III	Commercial banking- Origin functions and types of banks, credit creation. Functions of central banks, Credit control, monetary policy- objective and its instruments, Banking sector reforms in India.	12
IV	Economic Fluctuation and Stabilizations- Business cycles concepts, characteristics and classification of business cycle. Theories of business cycle- Keynes, Hicks, Samuelsons and Kalder, control of business cycles.	12
V	Recent developments in Macro Economics, Rational Expectations, random walk of GDP theory, real business cycle theory. Neo- Keynesioan Economics- Sticky Price model, efficiency wage model and insider outsider model.	12
Teaching Learning Process: Class discussion/ demonstrations, Power point presentation, Class activities/ assignment, Field visits, internship, etc.		
Suggested Reading: (Please refer to the latest editions)		
1. Khan, M.Y. 1996, Indian financial system, Tata McGraw Hill, New Dlehi.		
2. Machiraju, M.R. 1999, Indian financial system. Vikas publishing house, New Delhi.		



3. D. Muralidharan 2009 Modern banking theory and practice; PHI learning Pvt. Ltd. New Delhi.
4. Jhingan, M.L. Monetary economics, Vrinda publications New Delhi
5. Gupta Suraj B. 2016, Monetary economics Institutions, Theory and policy S. Chand and company private ltd. New Delhi.
6. Jagdish Handa, 2009: Monetary Economics 2nd Edition Routledge, London

This Course can opt as an elective/ value-added course by the students of the following subject: Open to all

Suggested Continuous Evaluation Methods: Assignment, Internal, Quiz, PPT presentation, External Examination etc.

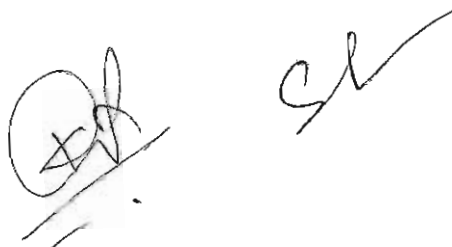
Suggested Equivalent online course: Suggestive digital platforms web links - ePG - Pathshala , IGNOU & UPRTOU online study material SVAYAM Portal <http://heecontent.upsdc.gov.in/Home.aspx>

Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.




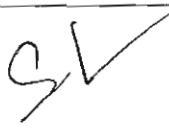
Programme/ Class: B.A	Year: Fourth	Semester: II / VIII
Subject: Economics		
Course Code: 0810823	Course Title: RESEARCH METHODOLOGY	(Theory)
Course Objectives- This paper is designed to make the students well versed with entire process of research work. The main aim of this paper is to clarify the students with the concepts and steps of research and equip him/her to formulate a research proposal.		
Credits: 4		Core Compulsory
Max. Marks: 25+75 {Internal + External }		Min. Passing Marks: 40
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0		
Unit	Topic	No. of Lectures = 60
I	Introduction to research: Research Concept, Meaning, Objectives, Significance. Types, Approaches, Difference between Social Science Research and physical Science Research, Research problem- selection, Need, Techniques involved an illustration.	12
II	Research Designs and Research Proposal: Research Design Meaning, Need, Function types, techniques an illustration, formulation of a research proposal an illustration, literature Review and Reference Collection.	12
III	Data Collection And Sample Design: Data Collections Methods, Observation, Interview, Questionnaire, Schedules Sampling design, Criteria of Selecting a Sample, Characteristics of a Good Sample, Types of Sample design probability & non probability sampling, Random & non random sampling, Sample Size and its Determination, Various Approaches, collection of secondary Data, Case study.	12
IV	Hypothesis: Formulation of Hypothesis, Null and Alternative Hypothesis, Testing of Hypothesis Basic Concepts, Procedure for Hypothesis Testing, important parametric Test. Z, t, f and Chi-Square Test, Analysis of Variance and co-variance, Co-efficient of Determination.	12
V	Report writing and Data Sources: Report Writing Significance, Steps Involved, layout of Research Report, Ethical Issues in Research and plagiarism. Data Sources- National Sample Survey Office (NSSO), National Account Statistics (NAS), Indian Public Finance Statistics, Government of India Statistics- Data on Agriculture, Annual Survey of Industries, Census of India, RBI Bulletin and publications, Data on International Trade, CMIE Data, Transport and other statistics, NFHS survey,	12

	Important International Data- UNO, WHO, IMF, World Bank, UNDP etc.	
Teaching Learning Process: Class discussion/ demonstrations, Power point presentation, Class activities/ assignment, Field visits, internship, etc.		
Suggested Reading: (Please refer to the latest editions)		
1. C.R. Kothari, Research methodology, New Age International publications, New Delhi.		
2. C. Murthy, Research methodology, Vrinda publications, Delhi,		
3. L.N. Kohli, Research Methodology, Y.K. publications, Agra.		
4. S.P. Gupta, Statistical Methods, S. chand & Sons, New Delhi.		
This Course can opt as an elective/ value-added course by the students of the following subject: Open to all		
Suggested Continuous Evaluation Methods: Assignment, Internal, Quiz, PPT presentation, External Examination etc.		
Suggested Equivalent online course: Suggestive digital platforms web links - ePG - Pathshala , IGNOU & UPRTOU online study material SVAYAM Portal http://heecontent.upsdc.gov.in/Home.aspx		
Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.		





Programme/ Class: B.A	Year: Fourth	Semester: II / VIII
Subject: Economics		
Course Code: 0810824	Course Title: ECONOMICS OF GROWTH AND DEVELOPMENT	(Theory)
Course Objectives- Growth and development is the first requisite of any underdeveloped economy. The objective of this paper is to familiar the students with various concepts and theories of Growth and Development and also various measurement of development at world level with special reference to India.		
Credits: 4		Core Compulsory
Max. Marks: 25+75 {Internal + External }		Min. Passing Marks: 40
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0		
Unit	Topic	No. of Lectures = 60
I	Introduction- Concepts of Economics Growth & Economic Development Measurement Of Economic growth; Stationary State and Steady State Growth; Determinants of Economic Growth, Basic Requirements for Economic Growth; Vicious Circle of Poverty, circular causation, changing notions of development.	12
II	Theories of economics growth- Classical Growth theory- Adam Smith Ricardo, Marxian model: Schumpeter's theory. The Harrod Domar analysis and mahalonobis growth model. {(4 Sector) Neo classical growth theories: Models of Solow, Meade, Mrs John Robinson and N. Kaldar; Rostow's stages of Economic Growth, Balanced verses unbalanced growth.	12
III	Theories of development: Lewis theory of Unlimited supply of labour, Ranis fie model Nelson's low level Equilibrium trap; Rosenstien Rodan's Theory of Big push; Leibenstein's Critical Minimum Effort Thesis dependency theories, Models with Endogenous Growth; One sector growth models- The AK model learning by doing and knowledge spillover.	12
IV	Measuring development- Physical Quality life Index (PQLI) Human Development Index (HDI), Inequality Adjusted HDI, Gender Inequality index, Human Capital Index, Human happiness index; Sustainable, Development Goals (SDG)	12
V	Poverty, Income Inequality and Sustainable development: Poverty- Concept, Measurement, Head count, poverty gap, poverty line, Multi-dimensional poverty index; Inequality- Concept, measurement Gini Coefficient, Lorenz Curve, decile ratios. Sustainable Development Meaning objectives	12

	and issue, environmental natural resources and other related issues; Natural capital and equity.	
Teaching Learning Process: Class discussion/ demonstrations, Power point presentation, Class activities/ assignment, Field visits, internship, etc.		
Suggested Reading: (Please refer to the latest editions) <ol style="list-style-type: none"> 1. Debraj Ray. 1998, Development economics oxford university press. 2. Simon Kuznets, 1966 economics growth, rate structure and spread, yale university press. 3. Robert Barro and Xavier Sala-i-Martin 2003, economics growth, PHI, New Delhi. 4. Todaro, Mecheal P. and Stephen c. Smith 2012 economics development 11th Edition. Pearson India. 5. Behrman, S. and T.N. Srinivasan 1995, Handbook of development economics vol. 3, Elsevier, Amsterdam 6. Chakarvarti, S. 1982 Alternative Approaches to A theory of economic growth, oxford university press. New Delhi 7. Mcier, G.M. 1971 Leading issues in economics development oxford university press, New Delhi. 8. Myrdal. G 1968 Asian Drama an enquiry into the poverty of nationas, Polican, London 9. A.K. Sen 1970, Growth economics penguin Harmondsworth, penguin books. 10. Thirawal A. 1978 Growth and development, Macmillan, London. 11. chakarvarti S. 1981 development planning the Indian Experience Oxford university press, New Delhi. 12. Chenery ct al 1987: Handbook of development economics Vol I and II. North Holland. 13. Haq. M. Reflection on human development, oxford university press, New Delhi. 14. Human Development report. 		
This Course can opt as an elective/ value-added course by the students of the following subject: Open to all		
Suggested Continuous Evaluation Methods: Assignment, Internal, Quiz, PPT presentation, External Examination etc.		
Suggested Equivalent online course: Suggestive digital platforms web links - ePG - Pathshala , IGNOU & UPRTOU online study material SVAYAM Portal http://heecontent.upsdc.gov.in/Home.aspx		
Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.		

Programme/ Class: B.A	Year: Fourth	Semester: II / VIII
Subject: Economics		
Course Code: 0810825	Course Title: GENDER ECONOMICS	(Theory)
Course Objectives- This course is motivated to familiarize students with the key theoretical concepts, approaches and views related to the role of women in the achievement of development.		
Credits: 4		Elective (a)
Max. Marks: 25+75 {Internal + External }		Min. Passing Marks: 40
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0		
Unit	Topic	No. of Lectures = 60
I	Concepts and Theoretical Approaches in Gender Economics: Gender economics concept, Importance and Methods of Gender Economics, Gender Statistics, Gender issues in economic theory, Gender division of work, Approaches to Women Development Women in development (WID), Women and development (WAD), Gender and development (GAD); Neoliberal approaches; Women Empowerment- Approaches in Indian Context.	12
II	Women as Workers: Concept and Analysis of women's work- Valuation of production and Unproductive work- Visible and Invisible work- Paid And Unpaid Work- Economically Productive And Socially Productive Work- Invisibility Of Women's Work- Problems in Measurement Classification of Work in Indian Census and NSSO - Main Workers, Marginal Workers, Non Workers, Non Recognition of Women's in National Income Accounting Measuring Women's Contribution to National Income.	12
III	Gender Indicators, Policy and Budgets: Gender Inequality indicators, Gender related development indices; Measuring gender empowerment; Gender dimensions of International trade. Demographic Change and Gender Status; Mainstreaming Gender into development politics; Gender planning techniques; Gender budgets; Gender Audit; Gender sensitive governance, Gender Policy, National, regional and Global level, Gender Review.	12
IV	Gender and social sector: Application of theories of capability and human capital for studying gender and education, Significance of Women's education, Gender gaps in educational achievements, Policies and Programmes for promoting women's education Impact of technological	12

	development On Women Empowerment, Emergence and Growth of Women Entrepreneurs, Gender And Health, life style approach to gender specific health needs, gender dimension of national health policies and programmes	
V	Women, Poverty and environment: Women's rights, Deprivation and marginalization of Women, feminization of poverty extent, causes and consequences, women and environment, Paradigm shifts from Welfare- Oriented Programmes to empowerment oriented programmes, Need for gender concerns in designing social security policy, Role of new technologies for Empowering women, Gender Issues in Sustainable Development Goals.	12

Teaching Learning Process: Class discussion/ demonstrations, Power point presentation, Class activities/ assignment, Field visits, internship, etc.

Suggested Reading: (Please refer to the latest editions)

1. Anupama 2007, Gender discrimination in quality of employment and wages in unorganized manufacturing sector of India, Indian Journal of Labour Economics, 50(4) pp. 10074-1119.
2. Arputhamurthy, S. 1990, women work and discrimination, New Delhi Ashish Publishing House,
3. Bosarup Ester, 1970 Women's Role in economic development, Goere Allen and Unwin, London.
4. Devasialeelamma 1994, Empowering women for sustainable development, Ashish Publishing House, New Delhi.
5. Eswaran, M. 2014, Why gender matters in economics Princeton University press.
6. Jacobsen, J. 2007, the economics of gender, Wiley- Blackwell.
7. Jose, S. 2008, paid employment and female autonomy in India, issues and evidence, Indian Journal of Labour Economics, 51(3), pp. 397- 408.
8. Mazumdar, I, and N. Neetha 2011, Gender dimensions, employment trends in India 1993- 94 to 2009-10 Economic and political weekly, 46(3) pp. 118-126.
9. Nirmala. V and K.S. Bhat 1999, female work participation in the emerging labour market in India, Indian journal of labour economics, 42(4), pp. 613- 639
10. Pal, M.P. Bharati, B. Ghosh, and T.S. Vasulu (eds.) 2011, gender and discrimination health, nutritional status and role of women in India, New Delhi, Oxford University Press.
11. Pellissery, S. and S.K. Jalan 2011, Towards transformative social protection, a gendered analysis of the employment guarantee Act of India (MGNAREGA) Gender and development 19(2) , p.p 283-294.
12. Sen. A and J. Dreze 1995, India, Economics development and social opportunity oxford university press.
13. Murthy, K.R. (ed.) 2001, Building women's capacities.
14. Desai, N. and M.K. Raj (Eds.) 1979, Women and Society in India, research centre for women studies, SNTD University, Mumbai.
12. Ahmed, I. Technology and Feminization of work, EPW. 29(18), WS 34-38.

This Course can opt as an elective/ value-added course by the students of the following subject: Open to all

Suggested Continuous Evaluation Methods: Assignment, Internal, Quiz, PPT presentation, External Examination etc.

Suggested Equivalent online course: Suggestive digital platforms web links - ePG - Pathshala , IGNOU & UPRTOU online study material SVAYAM Portal <http://heecontent.upsdc.gov.in/Home.aspx>

Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.

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Programme/ Class: B.A	Year: Fourth	Semester: II / VIII
Subject: Economics		
Course Code: 0810826	Course Title: INDUSTRIAL ECONOMICS AND ENTREPRENEURSHIP	(Theory)
Course Objectives- The objective of this course is to provide basic knowledge to the students on the issues related to market structure, firms motivations and conducts, productivity, and efficiency. It also provides a detailed understanding of policy debates involved in industrial development in India.		
Credits: 4		Elective (b)
Max. Marks: 25+75 {Internal + External}		Min. Passing Marks: 40
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0		
Unit	Topic	No. of Lectures = 60
I	Industrial Economics and Industrialization: Nature, Scope and Growth of Industrial Economics, Industrialization-Concept, Rationale, Factors Promoting and Hindering Industrialization, Implications, Theoretical Justification for Industrialization, Arguments against Industrialization, Industry and Sectoral Linkages.	12
II	Forms of Industrial Organization:- Different Form of Industrial Organization, Economics of Scale Economics of Scope, Industrial Combinations, Pools, Trust and Cartels, Mergers and Acquisitions and Take Overs & Amalgamations-MNCs Corporate Governance.	12
III	Market and Industrial Efficiency- Market structure and market conduct, Industrial Efficiency, concepts determinants, measurement and decision making process market concentration, its measurement and Effects on market performance, Product differentiation and advertisement, Diversification, Integration and Merger, Research & Development and Innovation, Theories of Growth of Firm Constrained on Growth..	12
IV	Industrialization in India:- Trends in Industrial growth and diversification, Globalization and its impacts on Industries, New Industrial Polity in India, Industrial Finance, Policy Initiatives to Liberalize Indian Industries and its effects, labour issues and reforms, SSIs and cottage industries in India policy issues and performances, Multinational Corporations (MNCs) in India- Advantages & Disadvantages-Technology Transfer.	12
V	Entrepreneurship Definition, Features, Problems, Theories, Entrepreneurship and Economic Development, Characteristics, Types and Functions of an Entrepreneur,	12

	Role of an Entrepreneur, Entrepreneurship Emergence and Development in India, Women Entrepreneurship and Economic Development, Funding of a new Enterprise, Sources, Problems and Prospects, Entrepreneurship Development Programmes and Institute in India,	
Teaching Learning Process: Class discussion/ demonstrations, Power point presentation, Class activities/ assignment, Field visits, internship, etc.		
Suggested Reading: (Please refer to the latest editions) <ol style="list-style-type: none"> 1. Bhartwal R. Industrial Economics, an Introductory, text book, new age international Pvt. Ltd. Bangalore. 2. Cherumilaum F. Industrial economy of India, Himalaya publishing house, Mumbai. 3. Dennis Carlton, Jeffrey Perloff, Modern Industrial organization, Global edition. 4. Divine, P.J. and R.M Jones, An Introduction to Industrial Economics, George Allen and Unwin Ltd. London 5. Hay D.A. and Morris D.J. industrial economics, theory and evidence, oxford university press. 6. Kuchaal, Industrial Economy of India, Chaltanya, Allahabad. 7. Singh A and A.N Sandhu, industrial economics, Himalaya publication House, Mumbai. 8. Sivayya K.V and V.B.M. Das, Indian industrial 9. Ahluwalia, I.J Industrial growth in India, Oxford University Press, Oxford. 10. Desai, B. Industrial economy of India, Himalaya publication house, Mumbai. 11. Desai, S.S.M. and Nirmal Balerao, Industrial economy of Indian Himalaya pub. house , Mumbai. 12. Dilip Mukherjee, Indian Industry; Policies and performance, Oxford University press, Delhi. 13. Hashim S.R. Suri K.B. (Ed.) Small scale enterprises in industrial development, The Indian experience, Sage publications, New Delhi. 14. Kyoko Inone, Industrial development policy in India, Institute of developing economics Tokyo. 12. Nagesh Kumar, MNCs and industrial organization, Sage pub. New Delhi. 16. Ram Shanker Singh, Industrialization in India, Deep and Deep, New Delhi 17. Singh A and A.N. Sandhu, Industrial Economics, Himalaya publishing House, Mumbai. 18. Tendulkar S.D (ed.) India, Industrialisation in a Reforming Economy, Academic foundation, New Delhi. 19. Udai Pareek and T. Venkateshwara Rao, Developing entre preneurship- A hand book learning systems. New Delhi. 20. Deshpande, M.U. Entrepreneurship of Small Scale Industries, Deep and Deep publication, New Delhi. 21. D.L. Narayana, 1972, Entrepreneurship and Economic development, Madurai University Press, Madurai. 22. Dilip S. Swamy, 1994, The political economy of industrialization form self reliance to Globalization, Sage publication India, New Delhi. 		
This Course can opt as an elective/ value-added course by the students of the following subject: Open to all		
Suggested Continuous Evaluation Methods: Assignment, Internal, Quiz, PPT presentation, External Examination etc.		
Suggested Equivalent online course: Suggestive digital platforms web links - ePG - Pathshala , IGNOU & UPRTOU online study material SVAYAM Portal http://heecontent.upsdc.gov.in/Home.aspx		

Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.

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Programme/ Class: B.A		Year: Fourth	Semester: II / VIII
Subject: Economics			
Course Code: 0810827		Course Title: ECONOMETRICS	(Theory)
Course Objectives- The main aim of this paper is to equip the students with basic theory of econometrics and relevant applications of the methods. The course also covers various econometric methods applicable to different topics in economics and those needed for applied economic research.			
Credits: 4		Elective (c)	
Max. Marks: 25+75 {Internal + External }		Min. Passing Marks: 40	
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0			
Unit	Topic		No. of Lectures = 60
I	Introduction to Econometrics: Meaning, Objectives, Nature and scope of econometrics, Relationship with Mathematical Economics, Economics and Statistics. The raw material of Econometrics time series and cross section data. Methodology of Econometrics simple and multiple linear regression model-assumptions.		12
II	Two Variables and multiple regression analysis: The basic two variable regression models estimation-statistical inference and prediction- extensions of two variable regression model regression through origin scaling and units of measurement functional forms of regression model, Multiple Regression Analysis. The problem of estimation rotation and assumptions meaning of partial regression coefficients, the multiple coefficient of determination R^2 and the multiple coefficient of correlation $R - R^2$ and adjusted R^2 -partial correlation coefficients- Interpretation of multiple regression equation.		12
III	The classical Linear Regression Model: Assumptions estimation Ordinary Least Square Method, Properties of OLS estimator, Grassmarkov Theorem (BLUE): Hypothesis Testing; t- test for individual regression coefficient. Goodness of Fit; Prediction: Mean and Individual prediction; Maximum Likelihood Estimation.		12
IV	Simultaneous Equation models: Simultaneous equations model- structural and reduced form, Simultaneous equation bias and inconsistency of OLD estimator: The Identification problems. Rules for identification order and rank conditions; Indirect Least square; Two stage least square (2SLS); Dummy variables.		12




V	Time series and forecasting- Stationary and non-stationary, Detection of non-stationary correlogram, unit roots; Dickey Fuller test; Co integration; spurious regression; While noise process Random walk model; Approaches to economic forecasting, forecasting with ARIMA modelling Box Jenkins methodology.	12
Teaching Learning Process: Class discussion/ demonstrations, Power point presentation, Class activities/ assignment, Field visits, internship, etc.		
Suggested Reading: (Please refer to the latest editions)		
1. Gujrati, D.N. 2004, Basic econometrics, 4th edition, Tata McGraw Hill publishing company Ltd. New Delhi. 2. Koutsoyiannis, A. 2006, Theory of economics 2nd edition palgrave, New York. 3. Dougherry, C. 2002 Introduction to economics 2nd edition oxford university press, New York. 4. Wooldridge, J.M. 2007, Introductory econometrics, 3rd edition, Thomson South western, New Delhi. 5. Ramanathan R. 2002, Introductory econometrics with application 5th edition Cengage India Learning Pvt, Ltd. New Delhi. 6. Theil, H. 1981 Introduction to econometrics. prentice hall of India, New Delhi. 7. Kennedy, P 1998. A Guide to econometrics MIT press New York. 8. Baltagi, B.H. 1998 Econometrics springer. New Yorki. 9. Johnson, J and J. Dinardo, econometric methods fourth edition McGraw Hill. latest edition. 10. Maddala. G.S. K. Lahiri 2009, Introduction to econometrics, John Wiley & Sons. 11. Stewart, J. and L Gill. Econometrics second edition prentice Hall, 1998.		
This Course can opt as an elective/ value-added course by the students of the following subject: Open to all		
Suggested Continuous Evaluation Methods: Assignment, Internal, Quiz, PPT presentation, External Examination etc.		
Suggested Equivalent online course: Suggestive digital platforms web links - ePG - Pathshala , IGNOU & UPRTOU online study material SVAYAM Portal http://heecontent.upsdc.gov.in/Home.aspx		
Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.		

Programme/ Class: B.A	Year: Fourth	Semester: 2/8
Subject: Economics		
Course Code: 0810865	Course Title: Project on Local Problems (Regarding Agriculture, Industry, Bank etc)	(Practical)
Course Objective with outcomes- The objective of this course is to provide exposure with industry. The industrial visit is designed for the students who want to engage in real economic analysis outside the classroom		
Credits: 4		Elective
Max. Marks: 100 (Report Presentation)		Min. Passing Marks: 40
Total No. of Lecture-Tutorials-Practical (in hours per week): L-T-P: 4-0-0		
General Outlines		
The course will be evaluated on the basis of report submitted and presented by the student before the examiners.		
Teaching Learning Process: Internship, Exposure with reputed industry		
This Course can opt as an elective/ value-added course by the students of the following subject: Open to all		
Suggested Continuous Evaluation Methods: Assignment, Report, PPT presentation, and Viva-Voice.		
Further Suggestions: It widens the scope for MA Economics students to join Government and Non - Government organization up skilling the people at different levels as per their socio-economic structure.		

Note- चार वर्षीय स्नातक पाठ्यक्रम के सम्बन्ध में सामान्य नियम

1. चार वर्षीय स्नातक हेतु एन0ई0पी0-2020 में दिये गये सभी नियम लागू होंगे।
2. यदि किसी विद्यार्थी द्वारा प्रथम वर्ष का पाठ्यक्रम ही पूर्ण किया जाता है तब ऐसी दशा में उसे स्नातक सर्टिफिकेट की उपाधि प्रदान की जायेगी।
3. यदि किसी विद्यार्थी द्वारा दो वर्ष का पाठ्यक्रम ही पूर्ण किया जाता है तो उसे स्नातक डिप्लोमा की उपाधि प्रदान की जायेगी।
4. यदि किसी विद्यार्थी द्वारा तीन वर्ष का पाठ्यक्रम पूर्ण किया जाता है तो उसे स्नातक डिग्री प्रदान की जायेगी।
5. यदि कोई विद्यार्थी चारों वर्ष का पाठ्यक्रम पूर्ण करता है उसे स्नातक ऑनर्स की उपाधि प्रदान की जायेगी।
6. यदि किसी विद्यार्थी द्वारा चतुर्थ वर्ष का पाठ्यक्रम निर्धारित मानदण्डों के अनुसार रिसर्च के साथ पूर्ण किया जाता है तो उसे स्नातक ऑनर्स विद रिसर्च की उपाधि प्रदान की जायेगी।
7. चार वर्षीय डिग्री पाठ्यक्रम के सम्बन्ध में शासन द्वारा समय-समय पर जारी किये गये निर्देश लागू होंगे।

