



Year wise Structure of UG Programme

Semester-I

Course 3/4 years B.A. & Type of paper.	Subject Code	Title of the paper	Max Marks			Credits Allotted			Teaching Hours per week	Cumulative Minimum Degree Required for the Award of Certificate, Diploma & Degree
			Int.	Ex	Total	Lecture	Tut.	Total		
		Title of the paper								
Core-1 (Own faculty)		Principle of Micro Economics	30	70	100	5	1	6	6	
Core-2 (Own faculty)		Money and Banking	30	70	100	5	1	6	6	
Core-3 Any/Own Faculty)		Mathematical Methods for Economics	30	70	100	5	1	6	6	
Minor/Generic Elective-1 (Other Faculty)		Any one of the following	30	70	100	3	1	4	4	
		1.Indian Economy 2.Public Finance								
Vocational (SEC)		Understanding the economic survey and Union Budget	30	70	100	3	-	3	3	
Co-Curricular (AECC)		Food Nutrition and Hygiene	30	70	100	Qualifying	-	No Credit	2	
Total					600			25	27	

Semester-II

Course 3/ 4 years B.A. & type of paper.	Sub .Co de	Title of the paper	Max Marks	Credits Allotted	Teaching Hours per week	After Completion of second Semest
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ख्वाजा मुईनुद्दीन चिश्ती भाषा विश्वविद्यालय, लखनऊ, उत्तर प्रदेश (भारत)
Khwaja Moinuddin Chishti Language University, Lucknow, U.P. (India)

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		Title of the paper	Int	Ex	Total	Lecture	Tut.	Total		er Certificate in Economics will be conferr ed to the candida te Scoring a minimum of (46) Credits
Core-4 (own faculty)		Principle of Macro Economics	30	70	100	5	1	6	6	
Core-5 (own faculty)		Public Finance	30	70	100	5	1	6	6	
Core-6 Any/Own faculty)		Statistical Methods for Economics	30	70	100	5	1	6	6	
Minor/Generic Elective-2 (other Faculty)		Any one of the following	30	70	100	3	1	4	4	
		1. Money and Banking 2. Micro Economics								
Vocational SEC-2		Introduction to Globalization	30	70	100	3	-	3	3	
Co-Curricular (AECC)		First Aid and Health	30	70	100	-	-	No Credit	2	

Sem-III

Course 3/ 4 years B.A. & type of paper.	Sub .Co de	Title of the paper	Max Marks			Credits Allotted			Teachi ng Hours per week
			Int.	Ex	Total	Lecture	Tut.	Total	
Core-7 (own faculty)		History of Economic Thought	30	70	100	5	1	6	6
Core-8 (own faculty)		Issues of Indian Economy-I	30	70	100	5	1	6	6
Core-9 Any/Own Faculty)		Financial Institutions and Markets	30	70	100	5	1	6	6
Minor/Generic Elective-3 (other Faculty)		Any one of the following 1. Introduction to Globalization 2. Public Economics	30	70	100	3	1	4	4



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Vocational (SEC)		Agricultural Development and Management	30	70	100	3	-	3	3	
Co-Curricular (AECC)		Human Values and Environmental Studies	30	70	100	-	-	No Credit	2	
Total					600			25	27	

Sem-IV

Course 3/ 4 years B.A. & type of paper.	Sub .Co de	Title of the paper	Max Marks			Credits Allotted			Teachi ng Hours per week	
			Int	Ex	Total	Lecture	Tut.	Total		
		Title of the paper								
Core-10 (own faculty)		Money Banking and Public Finance	30	70	100	5	1	6	6	After Comple tion of second Semest er Diplom a in Econo mics will be conferr ed to the candida te Scoring a minimu m of (92) Credits
Core-11 (own faculty)		Issues of Indian Economy-II	30	70	100	5	1	6	6	
Core-12 Any/Own Faculty)		Introductory Econometrics	30	70	100	5	1	6	6	
Minor/Generic Elective-2 (other Faculty)		Any one of the following 1. Basic Environmental Economics 2. Elementary Macro Economics	30	70	100	3	1	4	4	
Vocational (SEC)		Research Methodology	30	70	100	3	-	3	3	
Co-Curricular (AECC)		Physical Education And Yoga	30	70	100		-	No Credit		
Total					600			25	27	



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Sem-V

Course 3/ 4 years B.Com. & Type of paper.	Sub .Co de	Title of the paper	Max Marks			Credits Allotted			Teachi ng Hours per week
			Int	Ex	Total	Lecture	Tut.	Total	
		Title of the paper							
Core-13 (own faculty)		Economic Growth and Development	30	70	100	4	1	5	5
Core-14 (own faculty)		Choose any two from the following	30	70	100	4	1	5	5
		1.Environmental Economics 2. International Economics							
Core-15		Elementary Statistics Based Project	30	70	100	5		5	5
Core-16		Economics of Health and Education	30	70	100	4	1	5	5
Industrial Tour/Training		Project	30	70	100	5	-	No Credit	30 days Training or Survey where economic activities are involved.
Co-Curricular (AECC)		Analytic Ability and Digital Awareness	30	70	100	-	-	No Credit	2
Total					600			20	22

Sem-VI

Course 3/ 4 years B.A. & Type of paper.	Sub .Co de	Title of the paper	Max Marks			Credits Allotted			Teachi ng Hours per week
			Int	Ex	Total	Lecture	Tut.	Total	
		Title of the paper							
Core-17 (own faculty)		Indian Economy and Economy of Uttar Pradesh	30	70	100	4	1	5	5
Core-18 (own faculty)		Choose any two of the following	30	70	100	4	1	5	5
		1.Agriculture Economics 2.Elementary Mathematics							
Core-19		Public Economics	30	70	100	5		5	5

After Comple tion of sixth Semest er **Degree in Bachel or of Arts**



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Core-20	Economic History of India Since 1857-1947	30	70	100	4	1	5	5	will be conferr ed to the candida te Scoring a minimu m of (132) Credits
Co-Curricular (AECC)	Communication skill and personality development	30	70	100		-	No Credit	2	
Research Project	Dissertation/Project on the local issues with economic focus plus presentation on ppt of the dissertation	30	70	100	5		No Credit		
Total				600			20	22	
Grand Total for three years Graduate				3000			150		

BA 2ndYear, Sem. III Course I (Theory)

Programme/Class: Degree/BA		Year: Second		Semester: Third	
Subject: Economics					
Course Code: A080301T		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. To introduce & highlight before the students about Indian Economic Thinkers and their valuable contribution in the field of Economics. 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: 30+70			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	Kautilya, Dada Bhai Naoroji, RC Dutt, BR Ambedkar, R M Lohia, Gandhian Economics.				12
II	Pt. DeenDayal Upadhyay, JK Mehta, A K Sen, J. Bhagwati,				12
III	Early Period: Economic thought of Plato and Aristotle - Doctrines of Just Cost and Just price.				11
IV	Mercantilism: Main Characteristics; Thomas Munn - Physiocracy: Natural Order, Primacy of Agriculture, Social Classes, Tableau Economique, Taxation, Turgot - Economic ideas of Petty, Locke and Hume.				11
Part II					
V	Classical Period: Adam Smith - Division of Labour, Theory of Value, Capital Accumulation, Distribution, Views on Trade, David Ricardo, Distribution, Ideas on International Trade; Thomas R. Malthus, Theory of Gluts.				11



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VI	German Romantics and Socialists — Sismondi, Karl Marx — Dynamics of Social Change, Labour Theory of Value, Surplus Value, Profit, And Theory of Capitalist Crisis; Economic Ideas of J.B. Say, J.S. Mill.	11
VII	Marshall as a Great Synthesizer: Role of Time in Price Determination, Economic Methods, Ideas on Consumer's Surplus, Elasticity, Representative Firm, Quasi-Rent, Pigou: Welfare Economics; Schumpeter.	11
VIII	Marginalists: The Precursors of Marginalism ,Cournot , Gossen — The Marginalist Revolution: Jevons, Walras and Menger - Bohm-Bawark, Wicksell and Fisher; Economic Ideas of Wicksteed and Weiser.	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) : AarthikVicharon Ka Itihas , Ane Books. 5. Hajela,T.N (2011) : History Of Economic Thought , Ane Books. Hunt,E.K&Lautzenheiser,Mark (2011) : History of Economic Thought: A Critical Perspective , Phi Learning. 7. Jhingan, M.L (2008): AarthikVicharon Ka Itihas , 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 Thaught, Faber. 11. Schumpeter, J.A(1954): Historyof Economic Analysis, Oxford University Press, New York. 12. Sinha,V.C (2011) : AarthikVicharon Ka Itihas , Mayur Pu 13. Staley,Charles.E, "A History of Economic Thought: From Aristole To Arrow", Blackwell Publishing.		
Suggested Continuous Evaluation Methods: Assignment / Test / Quiz(MCQ) / Seminar/ Presentations/ Research orientation of students.		
Suggested equivalent online : Swayam		

CORE -8 ISSUES INDIAN ECONOMY-I

Maximum Marks: 100

Total Credit: 6

(5 Theories+1 Tutorial)

Total: 75 Lectures+15 Tutorials

Course Description

This course will give strength to sharpening the knowledge of students about Indian economy. Students will be able to understand govt policies and programmes. .

Course Outcome

You will understand the structure of U.P. Economy, relative socio-economic development of UP, demographic scenario and agricultural growth of UP. Infrastructure development, livestock and natural resources can also be analyzed.

Corse Outline



Unit – I (19)
Lectures)

Indian Economy before Independence: Indian economy in the Pre-British Period — Structure and organization of villages, towns, industries and handicrafts. Changes in the land system; Commercialization of agriculture; Policy of discriminating protection and industrial development; Monetary and currency developments; Commercial and central banking developments; Taxation system during the British Period, Economic consequences of the British Rule.

Unit – II (19)
Lectures)

Nature and Structure of Indian Economy: Natural resources — Land, water and forest resources; Broad demographic features— Population size and growth rates, sex composition, occupational distribution; Problem of over-population; Population policy; Infrastructure development; National Income-Composition and Growth. Sectoral development of the Indian Economy and their interrelationship.

Unit – III (19)
Lectures)

Planning in India: Need, Objectives; Strategy; Broad achievements and failures; Current Five Year Plan — Objectives, allocation and targets; New economic reforms — Liberalization, privatization and globalization; Rationale of economic reforms; Impact of Economic Reforms on Growth and Distribution, Poverty and Unemployment Trends

Unit – IV (18)
Lectures)

Economy of Uttar Pradesh: Natural Resources-Land, Water, Livestock; Structure of U.P. Economy, Relative Socio-Economic Development of UP; Demographic Scenario of U. P., U.P. Economy through plans-Growth of Agriculture, Industrial development in U.P., Infrastructure Development-Energy and Transport; Social Sector Development, Inter-Regional Disparities, Decentralised Planning, Poverty and Employment

Books Recommended:

1. Dutt, R. and K.P.M. Sundharam, Indian Economy, S. Chand & Company Ltd., New Delhi.
2. Misra, S.K. and V.K. Puri (2001), Indian Economy — Its Development Experience, Himalaya
3. Dutt, R.C. (1950), The Economic History of India Under Early British Rule, Low Price Publications. Delhi.
4. Kumar, D. (Ed.) (1982), The Cambridge Economic History of India, Volume II, 1757-1970, Orient Longman Ltd., Hyderabad.
5. Agarwal, A.N., Indian Economy, New Age Publications, New Delhi
6. Agarwal, Manoj Kumar, Uttar Pradesh Ka Arthik Vikas, New Royal Book Company, Lucknow
7. Government of India, Economic Survey (Annual), Ministry of Finance, New Delhi
8. Government of India, Five Year Plans, Planning Commission, New Delhi
9. Planning Commission, Uttar Pradesh Development Report, New Delhi
10. Government of U.P., Five Year Plans of UP, Planning Department, Lucknow
11. Government of UP, Human Development Report, 2006, Planning Department,



Lucknow

CORE-9 FINANCIAL INSTITUTIONS & MARKETS

Maximum Marks: 100

Total Credit: 6

(5 Theories+1 Tutorial)

Total: 75 Lectures+15 Tutorials

Course Description

This course exposes students to the theory and functioning of the monetary and financial sectors of the economy. It highlights the organization, structure and role of financial markets and institutions. It also discusses interest rates, monetary management and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered.

Course Outcome

It helps you to understand the organization, structure and role of financial markets and institutions. It also helps in understanding interest rates, monetary management and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered.

Course Outline

Unit-1

(19 Lectures)

Structure Of Financial System; Functions of Financial Sector; Equilibrium in Financial Markets; Financial System and Economic Development; Financial Intermediation, Indicators of Financial Development; Security Analysis – Meaning and Types of Risk, Concept and Types of Return, Risk-Return Trade – off, Valuation of Securities.

Unit- 2

(19 Lectures)

Structure and Functions of Financial Markets; Money Market and its Constituents-Call Money Market, Treasury Bill Market, Commercial Bill Market, Repo Market, Commercial Paper Market, Certificate Of Deposits Market;

Unit-3

(19 Lectures)

Capital Market - Government Securities Market, Corporate Securities Market, Primary and Secondary Market for Securities, FIIs; Discount Market; Unregulated Credit Markets-Types and Functions. SEBI – Objectives, Functions and Performance; the Working of Capital Market in India; Markets for Futures Options and other Financial Derivatives

Unit- 4

(18 Lectures)

Definition and Types of Non-Banking Financial Intermediaries-their Growth and Impact on India's Economic Development; Merchant Banking; Mutual Funds; Financial Sector Reforms in India-Need, Objectives, Steps Taken and Future Agenda. Financial Inclusion; International Financial Institutions.

Readings:



- Bhole, L.M. (2009), *Financial Institutions and Markets*, Tata McGraw-Hill Education, New Delhi.
- Avadhani, V.A. (1992), *Investment and Security Markets in India*, Himalaya Pub. House, Mumbai.
- M. Melvin (2003), *International Money and Finance*, 7th edition, Addison Wesley Publisher.
- Sayers, R.S. (1938), *Modern Banking*, Oxford. University Press, London.
- Sen S.W. (2010), *Central Banking and Underdeveloped Money Market*,
- Muranjan, S. Y. (1952), *Indian Banking*, Kamala Publishing House, Bombay.
- Gupta, S.B. (1988), *Monetary Economics: Institutions, Theory and Policy*: S Chand & Company, New Delhi.
- Tarapore, S.S. (2000), *Issues in Financial Sector Reforms*, UBS Publishers, New Delhi.

GE-3 PUBLIC ECONOMICS

Maximum Marks: 100

Total Credit: 4

(3 Theories+1 Tutorial)

Total: 45 Lectures+15 Tutorials

Course Description

This course is a non-technical overview of government finances with special reference to India. The course does not require any prior knowledge of economics. It will look into the efficiency and equity aspects of taxation of the centre, states and the local governments and the issues of fiscal federalism and decentralisation in India. The course will be useful for students aiming towards careers in the government sector, policy analysis, business and journalism.

Course Outcome

You will be able to understand the efficiency and equity aspects of taxation of the centre, states and the local governments and the issues of fiscal federalism and decentralization in India. You will also know the fiscal functions, tools of normative analysis and social welfare.

Course Outline

Unit-I

1. Overview of Fiscal Functions, Tools of Normative Analysis, Pareto Efficiency, Equity and the Social Welfare.

Unit-II

1. Market Failure, Public Good and Externalities.
2. Elementary Theories of Product and Factor Taxation (Excess Burden and Incidence).

Unit-III

Issues from Indian Public Finance Working of Monetary and Fiscal Policies. Current Issues of India's Tax System.

Unit-IV

1. Analysis of Budget and Deficits



2. Fiscal Federalism in India
3. State and Local Finances

Readings:

1. Musgrave, R.A. and P.B. Musgrave, *Public Finance in Theory and Practice*, Mc-Graw Hill, 1989.
2. Mahesh Purohit , “*Value Added Tax: Experience of India and Other Countries*”, Gayatri Publications, 2007.
3. Kaushik Basu, and A. Maertens (ed.), *The Oxford Companion to Economics in India*, Oxford University Press, 2007.
4. M.M Sury, *Government Budgeting in India*, Commonwealth Publishers, 1990.

SEC-3 Agricultural development and Management

Maximum Marks: 100

Total Credit: 3

Total: 45 Lectures

Course Objective: The objective of this course is to familiarise the students of different streams with the basic concepts, theories, problems and issues related agricultural development and management.

Unit-I **12**
Hours

Agricultural Development in India: Indian Agriculture in the eve of independence; Role and Importance; Development in Pre- and Post-Green Revolution Period, land reforms, Emphasis under different Five Year Plans.

Unit-II **11**
Hours

Intervention of government in agricultural development: Subsidies (input/output), PDS, MSP, finance, cooperative marketing, MGNREGA.

Unit-III **11**
Hours

Problems in agricultural development: Macro analysis (structural), Micro (land, inputs, environment); role of middlemen, risk and uncertainty in production.



Unit-IV
Hours

11

Managing Agriculture: role of agri-business, linking farmers with new markets, diversifying agriculture.

Suggested Readings

1. Acharya, S.S. and Agarwal, N.L. (2012). *Agricultural Marketing in India*. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd.
2. Lekhi, R. K. And Singh, J. (2015). *Agricultural Economics: An Indian Perspective* Ludhiana: Kalyani Publishers.
3. Reddy, S.S., Ram, P.R, Sastry, T.V.N, Devi, I.B. (2015). *Agricultural Economics*. New Delhi, India: Oxford and IBH Publishing Co. Pvt. Ltd.
4. Soni, R. (2004). *Leading Issues in Agricultural Economics*, New Delhi: Vishal Publishing.

BA 2ndYear, Sem. IV Course I (Theory)

Program/Class: Degree /BA	Year: Second	Semester: Fourth
Subject: Economics		
Course Code:A080401T	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.• Appreciate the potential importance of monetary phenomenon in the economy.• Understand the sources of finance both public and private• Demonstrate the role of government to correct market failures and possible advantage of public financing.• 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.		
Credits: 6		Core Compulsory
Max. Marks: 30+70		Min. Passing Marks:40
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
Part I		



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I	Money and Value of Money: Money - Meaning, Functions and Classification; Gresham's Law; Role of Money in Capitalist, Socialist and Mixed Economies; Monetary Standards -Metallic and Paper Systems of Note Issue. 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; The 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 after Nationalization; Recent Reforms in Banking Sector in India.	11
IV	Functions of a Central Bank; Quantitative and Qualitative Methods of Credit Control - Bank Rate Policy, Open Market Operations, Variable Reserve Ratio and Selective Methods; Role and Functions of the Reserve Bank of India; Objectives and Limitations of Monetary Policy with Special Reference to India.	11
Part II		
V	Nature and Scope of Public Finance: Meaning and scope of Public Finance; Distinction between Private and Public Finance; Public Goods Vs. Private Goods; The Principle of Maximum Social Advantage; Market Failure; Role of the Government.	11
VI	Public Expenditure: Meaning, Classification and Principle of Public Expenditure; Canons and Effects of Public Expenditure; Trends in Public Expenditure and Causes of Growth of Public Expenditure in India.	11
VII	Taxation: Sources of Public Revenue; Taxation — Meaning, Canons and Classification of Taxes; Division of Tax Burden — The Benefit and Ability-To-Pay Approaches; Impact and Incidence of Taxes; Taxable Capacity; Effects of Taxation; Characteristics of A Good Tax System.	11
VIII	Fiscal policy: Components, Instruments, Objectives. Role of Fiscal Policy in Developed and Developing Countries, Budget Structure of the Government of India, State Budget- Sources of Revenues and Expenditures. Major Tax Reforms in India. Fiscal Federalism in India: Union-State Fiscal Relations, Federal Fiscal Imbalances and the Role of Finance Commission. Finances of Local Bodies.	11



Suggested Readings:

- ❖ Bagchi, Amaresh (2005) : Readings in Public Finance, Oxford University Press.
- ❖ Cullis, John & Jones Philip (2009) : Public Finance and Public Choice, Oxford University Press.
- ❖ Eyler, Robert (2009) : Money and Banking-An International Text, Routledge.
- ❖ Gupta, Janak Raj (2011): Public Economics in India Theory and Practice, Atlantic.
- ❖ 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.
- ❖ Inge Kaul, Pedro Conceicao (2006): The New Public Finance, Oxford University Press.
- ❖ Jhingian, M.L (2012) : Monetary Economics, Vrinda Publications, New Delhi.
- ❖ Jhingian, M.L (2012) : Maudrik Arthshastra, 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) : Maudrik Arthshastra, Laxmi Narayan Publications, Agra.
- ❖ Shome Parthasarathi (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

CORE-11 ISSUES OF INDIAN ECONOMY-II

Maximum Marks: 100

Total Credit: 6

(5 Theories+1 Tutorial)

Total: 75 Lectures+15 Tutorials

Course Description

This course analyses key aspects of Indian economic development during the second half of British colonial rule. In doing so, it investigates the place of the Indian economy in the wider colonial context, and the mechanisms that linked economic development in India to the compulsions of colonial rule. This course links directly to the course on India's economic development after independence in 1947.

Course Outcome

You will learn the place of the Indian economy in the wider colonial context, and the mechanisms that linked economic development in India to the compulsions of colonial rule. You will also learn the effects of development after the colonial experience in India.



Course Outline

Unit – I

(19

Lectures)

Agriculture: Nature and importance, distribution of land, Land Reforms, Trends in production and productivity, New agricultural strategy and green revolution, Problems of irrigation and supply of inputs, Agricultural marketing, Agricultural Credit, Price policy in agriculture, Problems of Agriculture labour.

Unit – II

(19

Lectures)

Industry and Service Sector: Growth and Structure of industry. Industrial policy of 1948, 1956, 1977 and 1991; Industrial licensing policy — MRTP Act, FERA and FEMA.

Unit – III

(19

Lectures)

Post liberalization Industrial Policy, Growth and problems of small scale and cottage industries; Role of public sector enterprises in India's industrialization, Industrial finance.

Service Sector: Nature, Structure and Development.

Unit – IV

(18

Lectures)

India's Foreign Trade: Role of foreign trade; Trends in exports and imports; Composition and direction of India's foreign trade; Balance of payments crisis and the New economic reforms — Export promotion measures and the new trade policies. Foreign capital — FDI and Multinational corporations.

Books Recommended:

1. Dutt, R. and K.P.M. Sundharam, Indian Economy, S. Chand & Company Ltd., New Delhi.
2. Misra, S.K. and V.K. Puri Indian Economy — Its Development Experience, Himalaya
3. Government of India, Economic Survey (Annual)
4. Government of India, Five Year Plans
5. Ahluwalia, I.J. and I.M.D. Little (Eds.) India's Economic Reforms and Development (Essays in honour of Manmohan Singh), Oxford University Press, New Delhi.
6. Agarwal, A.N., Indian Economy, New Age Publications, New Delhi
7. Uma Kapila (ed). *India's Economic Development Since 1947* (3rd Ed. or latest version). Academic Press, New Delhi.

CORE-12 INTRODUCTORY ECONOMETRICS

Maximum Marks: 100

Total Credit: 6

(5 Theories+1 Tutorial)

Total: 75 Lectures+15 Tutorials

Course Description

This course provides a comprehensive introduction to basic econometric concepts and techniques. It covers statistical concepts of hypothesis testing, estimation and diagnostic testing of simple and multiple regression models. The course also covers the consequences of and tests for misspecification of regression models.

Course Outcome

It will cover statistical concepts of hypothesis testing, estimation and



diagnostic testing of simple and multiple regression models. The course will also cover the consequences of and tests for misspecification of regression models.

Course Outline

Unit-I- Linear Regression model (19)

Lectures)

Definition and scope of econometrics; Methodology of econometric research; Basic concepts of estimation; desirable properties of estimators; Simple Linear Regression Model: assumptions, estimation of parameters (by OLS method), Gauss- Markov Theorem, interpretation of regression coefficients.

Unit II -Multiple Regression Model (19)

Lectures)

Multiple regression analysis: assumptions, estimation, and interpretation of regression coefficients. Testing of hypothesis and test for regression as a whole. Coefficient of determination. R^2 , 't' test and F Test.

Unit-III- Problems in OLS Estimation (19)

Lectures)

Problems of Heteroscedasticity; Auto correlation and Multicollinearity – their meaning, consequences, tests for detection and remedies, Error in Variables.

Unit-IV- Application of Econometrics Methods (18)

Lectures)

Estimation of demand function, production and cost function, consumption function and investment function.

Readings:

- Gujarati, D. (2007), Basic Econometrics, (4th Edition), McGraw Hill, New Delhi.
- Johnston, J. (1985), Econometric Methods, McGraw Hill, New York.
- Johnston, J. and J.D. Nardo (1997), Econometric Methods, McGraw Hill, New York.
- Kmenta, J. (1997), Elements of Econometrics, Michigan Press, New York.
- Koutsoyiannis, A. (1977), Theory of Econometrics, (2nd Edition), the Macmillan Press Ltd., Hampshire.
- Maddala, G.S. (1993), Econometrics – An Introduction, McGraw Hill, New York.

(GE-4) BASIC ENVIRONMENTAL ECONOMICS

Maximum Marks: 100



Total Credit: 4
(53 Theories+1 Tutorial)
Total: 45 Lectures+15 Tutorials

Course Description

This course provides a meaningful knowledge about environmental issues such as environment policies, trans boundary environmental problems, non marketing valuations and sustainable development etc.

Course Outcome

You will be able to understand the environmental problems and impacts of sustainable development., trans boundary environmental problems and non-marketing valuations.

Course Outline

Unit- 1. (12 Lectures)

Introduction

What is environmental economics; review of microeconomics and welfare economics. The Theory of Externalities, Pareto optimality and market failure in the presence of externalities; property rights and the coase theorem.

Unit – II (11 Lectures)

The Design and- **This course provides a meaningful knowledge about environmental issues such as environment policies, trans boundary environmental problems, non marketing valuations and sustainable development etc.** Implementation of Environmental Policy

Overview; pigouvian taxes and effluent fees; tradable permits; choice between taxes and quotas under uncertainty; implementation of environmental policy.

Unit - III (11 Lectures)

International Environmental Problems

Trans-boundary environmental problems; economics of climate change; trade and environment.

Unit – IV (11 Lectures)

Measuring the Benefits of Environmental Improvements Non-Market values and measurement methods; risk assessment and perception. Sustainable Development Concepts; measurement.

Readings:

1. Charles Kolstad, *Intermediate Environmental Economics*, Oxford University Press, 2nd edition, 2010.
2. Robert N. Stavins (ed.), *Economics of the Environment: Selected Readings*, W.W. Norton, 5th edition, 2005.
3. Roger Perman, Yue Ma, James McGilvray and Michael Common, *Natural Resource and Environmental Economics*, Pearson Education/Addison Wesley, 3rd edition, 2003.



4. Maureen L. Cropper and Wallace E. Oates, 1992, —Environmental Economics: A Survey, *Journal of Economic Literature*, Volume 30:675-74

(SEC-4) RESEARCH METHODOLOGY

Maximum Marks: 100

Total Credit: 3

(2 Theories)

Total: 45 Lectures

Course Description

This course is designed to help undergraduate students appreciate, learn and practice data based research skill that will help them in writing term papers, project reports etc in their discipline and generic elective courses.

Course Outcome

You will learn the review of literature, approaches to research, using secondary data, and primary data through collecting data through observation, interview and questionnaire.

Course Outline

Unit-I

1. Nature of research
2. Formulating the research topic
3. Review of literature.

Unit-II

1. Approaches to research and research strategy
2. Research Ethics.

Unit-III

1. Using secondary data
2. Using primary data- collecting data through observation/ interview/questionnaire
3. Sample selection methods.

Unit-IV

1. Analyzing data
2. Writing project report-referencing styles

Suggested Reading:

1. Ranjit Kumar (2014) *Research Methodology: A Step-by-step Guide for Beginners*, 4th Edition, sage Publication.
2. Bethlehem, J. (2009) *Applied Survey Methods: A Statistical Perspective*, Wiley.
3. Cachran, Willam, G (2008) *Sample Techniques*, Third Edition, Wiley-India, ISBN 978-81-265-1524-0. Reprint:2008