

DEPARTMENT OF ECONOMICS
UNIVERSITY OF LUCKNOW, LUCKNOW



BA ECONOMICS under CBCS (NEP)

Name of Faculty	ARTS
Department	ECONOMICS
Programme Name	BA in ECONOMICS under NEP
Effective from:	JULY- 2021
Duration of Course	The duration of the course shall be eight semesters over four years

BRIEF HISTORY OF DEPARTMENT

The Department of Economics started functioning with the formation of the University of Lucknow in 1921. Two other departments, Anthropology and Sociology, were created during mid fifties respectively, which earlier used to be a part of Economics Department. Prof. Radha Kamal Mukherjee was the first Head of the Department. He remained Head until 1955. For a period of over two years during mid-fifties, he also remained The Vice-chancellor of the Lucknow University. Subsequently, Department has had a good fortune of being shaped and developed under the Headship of academicians like Prof. D.P.Mukherjee (1955-57), Prof. Baljit Singh (1957-74), Prof. S.D.Mishra (1974-75), Prof. Prakash Chandra (1975-76), Prof. V.B.Singh (1976-78), Prof. N.N.Srivastava (1978-92) and Prof. Paritosh Banerjee (1992-96). Besides these academic luminaries the Department consisted of many great teachers and scholars like Prof. B.B.Mukherjee (also conferred the title of Rai Bahadur by the British Government), Prof. D.N.Majumdar, Prof. M.D.Joshi, Prof. Naseer Ahmad Khan, Prof. P.L.Rawat, Prof. K.C. Seth, Prof. H.G.P.Srivastava, Prof. P.D.Srimali, Prof. Shailendra Singh, Prof. S.P.Dixit, Prof. R.S.Mathur, Prof. A.K.Singh, Prof. V.P.Bharadwaj, Prof. T.S.Papola, Prof. B.P.S.Bhadauria, Prof. I. D. Gupta, Prof. A K Sengupta, Prof A.K.

Bajpai, Prof. Harsh Mohan, Prof. Muzammil (Former Vice Chancellor of Bareilly and Agra University), Prof. Y. Taygi and Prof. Rakesh Kumar.

The Department supports undergraduate and postgraduate programmes (BA, BA (Hons.), M.A., and Ph.D.) in Economics, which draw a huge number of applicants from all over the country. These programmes have a strong theoretical and quantitative focus with an emphasis on empirical applications. Current Faculty members of the department are contributing in the areas of emerging areas of Economics in terms of teaching and research activities.

CHOICE BASED CREDIT SYSTEM under New Education Policy

The Choice based credit system (CBCS) under NEP provides an opportunity for the students to choose courses from the prescribed courses comprising Major I, Major II, Minor, value addition courses (CC/ VC). The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. Grading system provides uniformity in the evaluation and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations which enables the student to move across institutions of higher learning. The uniformity in the evaluation system also enables the potential employers to assess the performance of the candidates.

COURSE OVERVIEW

This course deals with the study and application of economic theory and economic decision making. Exposure to different sectors builds the analytical capacity of the students. The program aims at producing successful and competent economic analysts who are ethically and socially responsible professionals with an inter-disciplinary orientation.

COURSE OUTCOMES/ OBJECTIVES (CO's)

The programs offered by the Department of Economics, University of Lucknow, Lucknow are designed to provide a general understanding of the functioning of the economic system and the role of institutions within that system; and prepare the student for employment in industry, the professions, and government, or to pursue graduate work toward such advanced degrees Economics or related fields.

COURSE SPECIFIC OUTCOMES (CSO's)

The learning output of this course is to ensure the development of an understanding of Micro and Macro Theory and their application to Economic sub-fields. On successful completion of this course, the student should be well versed in the concepts, tools and principles in the field of Economics and related fields.

Proposed Structure UG: Department of Economics, University of Lucknow, Lucknow											
Year	Semester	Major 1		Major 2		Minor		CC/ VC		Total Credits	Award
		Paper	Credits	Paper	Credits	Paper	Credits	Credits	Credits		
1	Semester-1	P1: Microeconomics-I P2: Indian Economy-I	4 4	P1': Microeconomics-I P2': Indian Economy-I	4 4	P1'': Microeconomics	4	CC1	4	24	Certificate
	Semester-2	P3: Microeconomics-II P4: Indian Economy-II	4 4	P3': Microeconomics-II P4': Indian Economy-II	4 4	P2'': Indian Economy	4	VC1	4	24	
2	Semester-3	P5: Macroeconomics P6: Public Finance	4 4	P5': Macroeconomics P6': Public Finance	4 4	P3'': Macroeconomics	4	CC2	4	24	Diploma
	Semester-4	P7: Money and Banking P8: International Economics	4 4	P7': Money and Banking P8': International Economics	4 4	P4'': Money and Banking	4	VC2	4	24	
3	Semester-5	P9: History of Economic Thought-I P10: Environmental Economics	4 4	P9': History of Economic Thought-I P10': Environmental Economics	4 4			Internship/ Assignment	4	24	BA Degree
		P11: Industrial Economics P11y: Basic Statistics	4								
Semester-6	P12: History of Economic Thought-II P13: Economic Growth and Development	4 4	P11 History of Economic Thought-II P12': Economic Growth and Development	4 4			Minor Project	4	24		
	P14: Economy of Uttar Pradesh P14y: Elementary Mathematics for Economics	4									
4	Semester-7	P15: Basic Econometrics P16: Economics of Social Sector P17: Financial Economics	4 4 4					Research Methodology	4	24	BA Research
		P18: Indian Economic Thinkers P18y: Gender Economics	4								
	Semester-8	P19: Economics of Agriculture P19y: Economics of Infrastructure	4					Major Project	24	24	
		Total Credits	76		48		16		52 C	192	

BA ECONOMICS

SEMESTER-I, Paper-I (For Major 1 and Major 2 Courses)

Micro Economics-I

Course Code: ECO-101

Credit: 4

(T)

Course Outcomes: On completion of this course, students will be able to understand the basic concepts of microeconomics and learn how to consumer's and producer's equilibrium achieve through demand analysis and production function.

Unit-I Basic Economic Concepts:

Meaning and definition of economics, Problem of scarcity and choice, Opportunity cost and production possibility frontier, Methods of Economic Study, Static and Dynamic Economics, Equilibrium and its types.

Unit- II Demand Analysis and Consumer Behaviour-I:

Concept of Demand, Demand function, Law of Demand, Elasticity of Demand- Types, Measurement and Factors affecting demand elasticity. Utility Analysis- Cardinal Approach; Law of Diminishing Marginal Utility, law of Equi-Marginal utility, Consumer's Equilibrium

Unit- III Demand Analysis and Consumer Behaviour-II:

Utility Analysis- Ordinal Approach, Indifference curve analysis- Properties, Budget line and its slope, Consumer's Equilibrium, Price effect, Income effect and Substitution Effect, derivation of demand curve, Consumer's Surplus, Revealed Preference Theory.

Unit-IV Production:

Concept of Production, factors of production, production possibility curve, production function, Short run theory of production, Law of Variable proportions; Long run theory of production, Laws of Returns to scale, concept of Isocost line and Producer's Equilibrium.

References:

Text Books

1. Stonier and Hague: A text book of Economic theory
2. R.G. Lipsey: An Introduction to positive economics
3. P. A. Samuelson: Economics

Suggested Readings

4. Gould and Ferguson: Micro Economic Theory
5. Awasthi & Agnihotri: Arthik Siddhant

Web References

<http://heecontent.upsdc.gov.in/>
<https://epgp.inflibnet.ac.in/>
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Indian Economy-I

Course Code: ECO-102

Credit: 4

(T)

Course Outcomes: On completion of this course, students will be able to develop ideas on the basic characteristics of Indian economy and also understand the importance, causes and impact of population growth and its distribution.

Unit I Development and Structure of Indian Economy

Concept of Growth and Development, Developed, developing and Emerging Market Economies (EME), Characteristics of Indian Economy, India's economic development during plan period, NITI Ayog and post- Plan development, Savings and Capital Formation in India

Unit II Demographic Characteristics of India

India's demographic Profile, Regional contrast and basic demographic characteristics, Rapid population growth and India's Population policies, Concept and Reasons of Migration, Basic Theories of Migration

Unit III Poverty and Unemployment

Concept of unemployment, types, measures to curtail unemployment in India, Poverty-relative and absolute, Measures of Poverty Alleviation, Employment generation Programmes, Inclusive Growth, Occupational Structure in the unorganized and unorganized sector, Economic Inequality, Social Security measures for India's population

Unit IV Foreign Trade and Investment

India's Foreign trade: Composition and direction, EXIM policy, Current account deficit and capital flows, FDI and Portfolio investment, Balance of trade and Balance of Payment.

References:

Text Books

1. AN Agarwal/MK Agarwal- Indian Economy
2. Rudra Dutt and KPM Sundaram- Indian Economy
3. Uma Kapila- Indian Economy 4

Suggested Readings

1. Government of India- Economic Survey
2. Misra and Puri- Indian Economy

Web References

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<https://swayam.gov.in/>

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<https://www.coursera.org/in>

BA ECONOMICS

SEMESTER-I, Paper-I (For Minor Course)

Micro Economics

Course Code: ECO-101M

Credit: 4

(T)

Course Outcomes: On completion of this course, students will be able to understand the basic concepts of microeconomics and learn how to consumer's and producer's equilibrium are achieved through demand analysis and production function.

Unit-I Basic Economic Concepts:

Meaning and definition of economics, Problem of scarcity and choice, Opportunity cost and production possibility frontier, Methods of Economic Study, Static and Dynamic Economics, Equilibrium and its types.

Unit- II Demand Analysis and Consumer Behaviour-I:

Concept of Demand, Demand function, Law of Demand, Elasticity of Demand- Types, Measurement and Factors affecting demand elasticity. Utility Analysis- Cardinal Approach; Law of Diminishing Marginal Utility, law of Equi-Marginal utility, Consumer's Equilibrium

Unit- III Demand Analysis and Consumer Behaviour-II:

Utility Analysis- Ordinal Approach, Indifference curve analysis- Properties, Budget line and its slope, Consumer's Equilibrium, Price effect, Income effect and Substitution Effect, derivation of demand curve, Consumer's Surplus, Revealed Preference Theory.

Unit-IV Production:

Concept of Production, factors of production, production possibility curve, production function, Short run theory of production, Law of Variable proportions; Long run theory of production, Laws of Returns to scale, concept of Isocost line and Producer's Equilibrium.

Text Books

1. P. A. Samuelson: Economics
2. R.G. Lipsey: An Introduction to positive economics
3. Stonier and Hague: A text book of Economic theory

Suggested Readings

1. Awasthi & Agnihotri: Arthik Siddhant
2. Gould and Ferguson: Micro Economic Theory

Web References

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BA ECONOMICS

SEMESTER-II, Paper-III (For Major 1 and Major 2 Courses)

Micro Economics-II

Course Code: ECO-201

Credit: 4 (T)

Course Outcomes: On completion of this course students will be able to understand the price determination mechanism in different market structure and demonstrate marginal productivity theory of distribution, theory of wages, illustrate different theories of interest and profits.

Unit- I: Costs and Revenue

Concept and Types, Total, Average and Marginal cost: short run and long run, Inter relationship between cost curves. Concept of revenue, Total, Average and Marginal revenue and its interrelationship, shape of revenue curves. Break even analysis.

Unit-II: Market Structure and Price Determination

Structure of markets, perfect competition- characteristics, Equilibrium of firm and Industry, price determination under perfect competition, Monopoly-Characteristics, equilibrium, price or output determination under monopoly. Price discrimination and its degrees. Nature of Monopolistic competition-Characteristics, equilibrium, price and non-price competition.

Unit-III: Theory of Distribution-I

Concept of Factor income: Marginal Productivity theory, Concept of rent and Quasi rent, theories of rent: classical and modern, concept of quasi rent. Concept of Wage and Wage Determination; Theories: Classical, Neo-Classical and Modern.

Unit-IV: Theory of Distribution-II

Concept of Interest and its theories: Classical, Neo-Classical and Modern; Concept and Theories of Profit: Classical, Neo-Classical and Modern.

Text Books

1. P. A. Samuelson: Economics
2. R.G. Lipsey: An Introduction to positive economics
3. Stonier and Hague: A text book of Economic theory

Suggested Readings

1. Awasthi & Agnihotri: Arthik Siddhant
2. Gould and Ferguson: Micro Economic Theory

Web References

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Indian Economy-II

Course Code: ECO-202

Credit: 4

(T)

Course Outcomes: On completion of this course, students will be able to understand the growth and structure of the three sectors of Indian economy, namely agriculture, industry and services. Also, understand the economic development profile of Uttar Pradesh economy.

Unit I: Agriculture

Production, Growth and Structure, Resource limitations and role of Technical change in Agriculture, Land Reforms, Agricultural Marketing-need, objectives, defects and remedial measures, Agricultural Produce and Marketing Act (APMC), Agricultural Credit-Non Institutional and Institutional sources of credit.

Unit II: Industry and Services

Major Industries- Iron and Steel, Cement, Paper and Sugar Industries, Micro, Small and Medium Enterprises (MSMEs), Sources of Industrial Finance, Industrial Policy, Trade Unions and Social Security Measures for Industrial Labour.

Services- Growth of Trade, Hotels and Restaurants, Transport, Storage and Communication, Finance and Real Estate

Unit III: Infrastructure

Economic Infrastructure- Energy, Roads, Irrigation. Social Infrastructure- Health and Education

Unit IV: U.P. Economy

Demographic and Population features, poverty and unemployment. Growth and Pattern of Farm Sector, Development of Industrial Sector, Major Policy initiatives of Development.

Text Books

1. A.N. Agarwal/MK Agarwal- Indian Economy
2. Rudra Dutt and KPM Sundaram- Indian Economy
3. Uma Kapila- Indian Economy
4. Manoj Kumar Agarwal- Uttar Pradesh ka Arthik Vikas
5. Sanjeev Kumar-The State of Indian Agriculture, Sage Publications

Suggested Readings

1. Government of India- Economic Survey
2. Misra and Puri- Indian Economy

Web References

<http://heecontent.upsdc.gov.in/>

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BA ECONOMICS
SEMESTER-II, Paper-II (For Minor Course)

Indian Economy

Course Code: ECO-202M

Credit: 4

(T)

Course Outcomes: On completion of this course, students will be able to understand the growth and structure of the three sectors of Indian economy, namely agriculture, industry and services. Also, understand the economic development profile of Uttar Pradesh economy.

Unit I: Agriculture

Production, Growth and Structure, Resource limitations and role of Technical change in Agriculture, Land Reforms, Agricultural Marketing-need, objectives, defects and remedial measures, Agricultural Produce and Marketing Act (APMC), Agricultural Credit-Non Institutional and Institutional sources of credit.

Unit II: Industry and Services

Major Industries- Iron and Steel, Cement, Paper and Sugar Industries, Micro, Small and Medium Enterprises (MSMEs), Sources of Industrial Finance, Industrial Policy, Trade Unions and Social Security Measures for Industrial Labour.

Services- Growth of Trade, Hotels and Restaurants, Transport, Storage and Communication, Finance and Real Estate

Unit III: Infrastructure

Economic Infrastructure- Energy, Roads, Irrigation. Social Infrastructure- Health and Education

Unit IV: U.P. Economy

Demographic and Population features, poverty and unemployment. Growth and Pattern of Farm Sector, Development of Industrial Sector, Major Policy initiatives of Development.

Text Books

1. A.N. Agarwal/MK Agarwal- Indian Economy
2. Manoj Kumar Agarwal- Uttar Pradesh ka Arthik Vikas
3. Rudra Dutt and KPM Sundaram- Indian Economy
4. Sanjeev Kumar-The State of Indian Agriculture, Sage Publications
5. Uma Kapila- Indian Economy

Suggested Readings

1. Government of India- Economic Survey
2. Misra and Puri- Indian Economy

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Macroeconomics

Course Code: ECO-301

Credit: 4

(T)

Course Outcomes: This course aims to introduce the students to the basic concepts of Macroeconomics. Macroeconomics deals with the aggregate economy. This course discusses the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variable like savings, investment, GDP, money and inflation.

Unit I: Introduction to Macroeconomics and Basic Concepts

Macro vs. Micro Economics, Macroeconomic issues, Limitations of Macroeconomics; Introduction to National Income, Concepts of GDP, GNP, NDP and NNP at market price and factor cost; Personal Income and Disposable Personal Income; Concept and Components of Saving and Capital Formation

Unit II: Measurement of Macroeconomic Variables

Approaches to the Measurement of GDP: Income, expenditure, product or Value added Methods, Difficulties of Estimating National Income, Circular Flow of Income and expenditure in two, three, and four-sector economy. Measuring Inflation rate and Unemployment rate; National Income and Economic Welfare; Green Accounting.

Unit III: Determination of Income and Employment

Basic Assumptions of Classical Theory - Classical Theory of Employment - Say's Law of Market - Wage - Price Flexibility (Pigou's Version) - Saving and Investment Equality - Evaluation of the Classical Theory of Employment; Keynesian Theory of Employment .

Unit IV: GDP: Its Components and Determinants

Actual and Potential GDP; Okun's Law, Components of GDP: Consumption Function; Saving Function; Investment Function; Concept of Multiplier; National Income Determination in two and three sectors economy; Simple IS-LM model.

Text Books

1. Branson, W. A., Macroeconomics: Theory and Policy, 3rd ed. Harper and Row, NY.
2. N. Gregory Mankiw, Macroeconomics, 7th edition, Cengage Learning India Private Limited, New Delhi
3. Shapiro, E., Macroeconomics: Analysis, Galgotia Publication, New Delhi.

Suggested Readings

1. Karl E. Case and Ray C. Fair, Principles of Economics, Pearson Education Inc., 8 th Edition, 2007 3.
2. Lipsey R.G. and K.A. Christal, Principles of Economics, 9th Ed., Oxford University Press.
3. Sauman Sikdar, Principles of Macroeconomics, Oxford University Press.
4. Stiglitz J. E. and Carl E. Walsh Principles of Macroeconomics, W.W. Norton and Company, New York.

Web References

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Public Finance

Course Code: ECO-302

Credit: 4

(T)

Course Outcomes: This course aims to introduce the students to the basic concepts of Public Finance. On completion of this course students will be able to understand the revenue and expenditure system of the federal country, India.

Unit-I: Introduction to Public Finance

Public Finance: Meaning, Nature, Scope and Importance; difference between Private and Public Finance; Principle of Maximum Social Advantage; Role of State in Public Finance.

Unit-II: Sources of revenue

Taxes, loans, grants and aid – meaning and types, canons/ principles of taxation, problem of justice in taxes, incidence of taxation, taxable capacity; Impact of taxation & tax evasion characteristics of Indian tax system, defects & steps of reform.

Unit-III: Public Expenditure and Debt

Principle of Public Expenditure; Principle of Public Debt and its Methods of Redemption; Effects of Public Expenditure on Production and Distribution; Public Debt in India.

Unit-IV: Public finance in India

Sources of Revenue of Central; State Government and Local Bodies; Concept and Types of Budget, Fiscal Deficit, Deficit Financing and Deficit Budget, Financial relation between Central and State; Finance commission; Fiscal Policy.

References:

Text Books

1. Bhatia, H. L., Public Finance, Recent Edition, Vikas Publication, New Delhi.
2. Musgrave, R. A. and P. B. Musgrave, 1980, Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.
3. Musgrave, Richard A. (1959), Theory of Public Finance, McGraw Hill, Kognakhusa, Tokyo.
4. Tyagi, B.P., Public Finance, Latest edition, Jain Praksash Nath & Company, Meerut.

Suggested Readings

1. Andley and Sundaram, Public Finance, Latest edition, Ratan Prakashan, Agra.
2. Dalton, Hugu, Principles of Public Finance, 1971, Rontledge and Hegan Paul Limited, London.
3. Ganguly S., Public Finance, 1999, The World Press Private Ltd. Calcutta.
4. Mithani, D. M.; (1998), Modern Public Finance, Himalaya Publishing House, Mumbai.

Web References

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Course Outcomes: This course aims to introduce the students to the basic concepts of Macroeconomics. Macroeconomics deals with the aggregate economy. This course discusses the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variable like savings, investment, GDP, money and inflation.

Unit I: Introduction to Macroeconomics and Basic Concepts

Macro vs. Micro Economics, Macroeconomic issues, Limitations of Macroeconomics; Introduction to National Income, Concepts of GDP, GNP, NDP and NNP at market price and factor cost; Personal Income and Disposable Personal Income; Concept and Components of Saving and Capital Formation

Unit II: Measurement of Macroeconomic Variables

Approaches to the Measurement of GDP: Income, expenditure, product or Value added Methods, Difficulties of Estimating National Income, Circular Flow of Income and expenditure in two, three, and four-sector economy. Measuring Inflation rate and Unemployment rate; National Income and Economic Welfare; Green Accounting.

Unit III: Determination of Income and Employment

Basic Assumptions of Classical Theory - Classical Theory of Employment - Say's Law of Market - Wage - Price Flexibility (Pigou's Version) - Saving and Investment Equality - Evaluation of the Classical Theory of Employment; Keynesian Theory of Employment .

Unit IV: GDP: Its Components and Determinants

Actual and Potential GDP; Okun's Law, Components of GDP: Consumption Function; Saving Function; Investment Function; Concept of Multiplier; National Income Determination in two and three sectors economy; Simple IS-LM model.

Text Books

1. Branson, W. A., Macroeconomics: Theory and Policy, 3rd ed. Harper and Row, NY.
2. N. Gregory Mankiw, Macroeconomics, 7th edition, Cengage Learning India Private Limited, New Delhi
3. Shapiro, E., Macroeconomics: Analysis, Galgotia Publication, New Delhi.

Suggested Readings

1. Karl E. Case and Ray C. Fair, Principles of Economics, Pearson Education Inc., 8th Edition, 2007.
2. Lipsey R.G. and K.A. Christal, Principles of Economics, 9th Ed., Oxford University Press.
3. Sauman Sikdar, Principles of Macroeconomics, Oxford University Press.
4. Stiglitz J. E. and Carl E. Walsh Principles of Macroeconomics, W.W. Norton and Company, New York.

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Money and Banking

Course Code: ECO-401

Credit: 4

(T)

Course Outcomes: This course introduces students to the conceptual and practical operations of the Money, banking, financial markets and institutions. The course is intended to provide an in-depth understanding of the operational issues of capital and money market network along with its regulatory framework.

Unit I: Demand for Money

Money: Kinds, Functions and Significance, Monetary Standards: Metallic Standard, Gold Standard and Paper Standard, Value of money, Measurement of changes in the value of money, Demand for Money: The Classical Approach, Keynesian Approach.

Unit II: Supply of Money

Supply of Money: Definitions—Determinants of Money Supply—High Powered Money and Money Multiplier—Indian Currency system.

Unit III: Commercial Banking

Commercial banking: Nature; structure; functions: The process of credit creation-purpose and limitations, Pre-requisites of a sound commercial banking system; Liabilities and assets of Banks. ATM - Internet Banking - Core banking; A Critical Appraisal of the Progress of Commercial Banking after Nationalization; Recent Reforms in Banking Sector in India.

Unit IV: Central Banking

Role of central banks in developed and developing countries; Functions of a central bank; Role and functions of the Reserve Bank of India; methods of credit control: Quantitative- bank rate, repo rate, open market operations, variable reserve ratio and selective methods; Objectives and limitations of monetary policy; NPA's , Recent changes in monetary policy of India.

Text Books

1. Gupta, S.B. (1995), Monetary Economics: Institutions, Theory and Policy, S. Chand & Co., New Delhi.
2. Hajela, T.N., (2009) Money and Banking, Ane Books Pvt Ltd., New Delhi
3. RR Paul, Monetary Economics, Kalyani Publishers

Suggested Readings

1. Chandler L.V., and S.M. Goldfeld (1977), The Economics of Money and Banking, Harper& Row, New York.
2. Ghosh and Ghosh, Fundamentals of Monetary Economics, Himalaya Publishing House
3. Sundharam KPM, Banking: Theory, Law and Practice, Sultan Chand and Sons, New Delhi

Web References

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<https://swayam.gov.in/>
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<https://www.coursera.org/in>

International Economics

Course Code: ECO-402

Credit: 4

(T)

Course Outcomes: This course introduces students to the various international trade theories and students will learn how international trade has helped countries to acquire goods at cheaper cost. Also, understand the concept of balance of payments and exchange rate determination in foreign exchange market.

Unit 1: Theories of International Trade

Need and Importance of International Trade, Free trade and protection, Mercantilism, Absolute Cost Advantage theory, Comparative Cost Advantage theory, Theory of Reciprocal demand, Terms of trade-Meaning, Types and Determination.

Unit 2 : The Balance of Payments

Concept and components of balance of trade and balance of payments. Disequilibrium and measures to correct balance of payments. Foreign trade of India and foreign trade policy of India.

Unit 3 : Foreign Exchange and Exchange rate

Meaning of foreign exchange rate and types- fixed, pegged, flexible, hybrid. Foreign exchange rate under gold standard, Purchasing power parity theory and modern theory of exchange rate, methods of controlling exchange rate- Unilateral and bilateral.

Unit 4: Financial Institutions

International monetary system: Bretton woods system and IMF, Objectives, Working Quota System, SDR, The World bank group- IBRD,IDA,IFC,MIGA,ICSID,ADB- Objectives, working and functions

Text Books

1. Bo Soderston, International Economics, Palgrave Macmillan.
2. Dominick Salvatore, International Economics: Trade and Finance, John Wiley International.
3. H.G. Mannur, International Economics, Vikas Publishing House.

Suggested Readings

1. Paul Krugman, Maurice Obstfeld and Marc Melitz, International Economics: Theory and Policy, Addison-Wesley (Pearson Education India Edition).

Web References

<http://heecontent.upsdc.gov.in/>

<https://epgp.inflibnet.ac.in/>

<https://swayam.gov.in/>

<https://udrc.lkouniv.ac.in/Department/DepartmentDetail/StudyMaterial?dept=5>

<https://www.coursera.org/in>

BA ECONOMICS
SEMESTER-IV, Paper-IV (For Minor Course)

Money and Banking

Course Code: ECO-401M

Credit: 4

(T)

Course Outcomes: This course introduces students to the conceptual and practical operations of the Money, banking, financial markets and institutions. The course is intended to provide an in-depth understanding of the operational issues of capital and money market network along with its regulatory framework.

Unit I: Demand for Money

Money: Kinds, Functions and Significance, Monetary Standards: Metallic Standard, Gold Standard and Paper Standard, Value of money, Measurement of changes in the value of money, Demand for Money: The Classical Approach, Keynesian Approach.

Unit II: Supply of Money

Supply of Money: Definitions—Determinants of Money Supply—High Powered Money and Money Multiplier—Indian Currency system.

Unit III: Commercial Banking

Commercial banking: Nature; structure; functions: The process of credit creation-purpose and limitations, Pre-requisites of a sound commercial banking system; Liabilities and assets of Banks. ATM - Internet Banking - Core banking; A Critical Appraisal of the Progress of Commercial Banking after Nationalization; Recent Reforms in Banking Sector in India.

Unit IV: Central Banking

Role of central banks in developed and developing countries; Functions of a central bank; Role and functions of the Reserve Bank of India; methods of credit control: Quantitative- bank rate, repo rate, open market operations, variable reserve ratio and selective methods; Objectives and limitations of monetary policy; NPA's , Recent changes in monetary policy of India.

Text Books

1. Gupta, S.B. (1995), Monetary Economics: Institutions, Theory and Policy, S. Chand & Co., New Delhi.
2. Hajela, T.N., (2009) Money and Banking, Ane Books Pvt Ltd., New Delhi
3. RR Paul, Monetary Economics, Kalyani Publishers

Suggested Readings

1. Chandler L.V., and S.M. Goldfeld (1977), The Economics of Money and Banking, Harper& Row, New York.
2. Ghosh and Ghosh, Fundamentals of Monetary Economics, Himalaya Publishing House
3. Sundharam KPM, Banking: Theory, Law and Practice, Sultan Chand and Sons, New Delhi

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SEMESTER-V, Paper-IX (For Major 1 and Major 2 Courses)

History of Economic Thought-I

Course Code: ECO-501

Credit: 4

(T)

Course Outcomes: This course introduces the students with different school of economic thoughts such as mercantilism, Indian economic thought and classical economic thought.

Unit-I

Pre Classical Economic Thought:

Mercantilism, Physiocracy- their views on Economic Development.

Unit-II

Indian Economic Thought:

Kautilya, Valluvar, Dada Bhai Naoroji, RC Dutt, BR Ambedkar, Gandhian Economics, JK Mehta.

Unit-III

Classical Economic Thought:

Evolution of Economic science, Smith's conception of growth and his criticism of Mercantilist and Physiocratic Doctrines; Smith's natural philosophy and Economic philosophy, Theory of Value- Cause and measure of value. Growth of National Product and its Distribution.

Unit-IV

Classical Economic Thought:

David Ricardo- development of Labor theory of value, theory of distribution and theory of growth; his views on machinery, Thomas Robert Malthus- theory of population, theory of Glut, Malthusian Glut and Keynesian Stagnation

Text Books

1. Dobb, Maurice- Theories of Value and Distribution since Adam Smith
2. Gide and Rist- History of Economic Doctrines
3. O'Brien- Classical theory of Value and Distribution
4. Schumpeter, J A- History of Economic Analysis
5. Stigler, G J- Essay in the History of Economics

Suggested Readings

1. Clair, St. Oswald- A Key to Ricardo
2. Meek, RL- Physiocracy
3. Meek, RL- The Labour theory of Value

Web References

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Environmental Economics

Course Code: ECO-502

Credit: 4

(T)

Course Outcomes: On completion of this course students will understand the linkage between environment and economic production and understand the implications of environmental degradation on economic growth.

Unit-I

Basic Concepts: Introduction to Environmental Economics, Economy-Environment Interaction, Material Balance Principle, Entropy Law

Unit-II

Environment vs Development: Relation between development and environmental stress, Environmental Kuznet's Curve, Concept of Sustainable Development, Resource and Resource Scarcity, Uncertainty and rate of resource extraction

Unit-III

Current Environmental Issues: Sources and types of pollution (Air, Water, Soil, Noise, Solid waste, e-waste, Land degradation), causes and effects of environmental degradation, Energy-Environment interaction, Global Warming and role of global agencies

Unit-IV

Environmental Policy of India: Evolution of environmental policy, Environment Laws, Fiscal incentives and Contract, Environmental Impact assessment, Peoples Participation in the management of Common Property Resources

Text Books

1. Eugene, T: Environmental Economics
2. Kaithal, A. K. and Sanjeev Kumar: Environmental Economics
3. Kolstad, CD: Environmental Economics
4. Muzammil, M: Environmental Economics

Suggested Readings:

1. Economic and Political Weekly
2. Hanley, N; Shogren, J.F ;White, B: Introduction to Environmental Economics
3. Karpagam, M: Environmental Economics
4. Plan Document and Economic Survey

Web References

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BA ECONOMICS

SEMESTER-V, Paper: XI-A (For Major 1 Course)

Industrial Economics

Course Code: ECO-503A

Credit: 4

(T)

Course Outcomes: This paper introduces to students with concept of firms and its structure. The students will learn how location of industry is determined by different location theories and different types of project appraisal techniques.

UNIT-I: INTRODUCTION TO INDUSTRIAL ECONOMICS

Concept and Organization of a firm - Ownership control and objectives of a firm, Passive and active behavior of firm, Size, Growth, Profitability, Productivity, Efficiency and Capacity Utilization - Concept and measurement. Industrial policy, Classification of industries in India, Role of Public and private sectors; Recent trends in Indian industrial growth.

UNIT-II: LOCATION AND REGIONAL DEVELOPMENT OF INDUSTRY

Determinants of Industrial Location - Technical, economic, infrastructural and other factors. Theories of industrial location - Weber, August Losch, Sargant Florence, Development of Backward Regions - Government Policy and approach for the development of backward regions.

UNIT-III: INDUSTRIAL STRUCTURE AND LABOUR

Alternative Patterns of Industrialization - Hoffman's hypothesis of capitalistic economies - Simon Kuznet's interpretation - Industrialization and planned economies - Cheney's Patterns of industrial changes . Structure of industrial labour, Industrial relations, Exit policy, Social Security Measures and Labour Reforms in Indian Context.

UNIT-IV: PROJECT APPRAISAL AND INDUSTRIAL FINANCE

Project Appraisal Techniques – CBA, NPV and IRR, Sources of Industrial Finance - Owned, external and components of funds; Nature, Volume and Types of institutional finance – IDBI, IFCI, SFCs, SIDC, Commercial Banks, etc.;

Text Books

1. Barthwal, R.R: Industrial Economics (Wiley Eastern Ltd, New Delhi, 1985)
2. Cherunilam F: Industrial Economics: Indian Perspective (3rd Edition) (Himalaya Publishing House, Mumbai, 1994)

Suggested Readings:

1. Ahluwalia, I.J: Industrial Growth in India (Oxford University Press, New Delhi, 1985)
2. Desai B: Industrial Economy in India (3rd Edition) (Himalaya Publishing House, Mumbai, 1999)
3. Divine P.J & R.M Jones et. Al: An Introduction to Industrial Economics (George Allen and Unwin Ltd, London, 1976)

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BA ECONOMICS

SEMESTER-V, Paper: XI-B (For Major 1 Course)

Basic Statistics

Course Code: ECO-503B

Credit: 4

(T)

Course Outcomes

The objective of this sequence is to transmit the body of basic statistics that enables the study of economic theory at the undergraduate level. In this course, particular economic models are not the ends, but the means for illustrating the method of applying statistics tolls to economic theory in general.

UNIT - I:

Nature, Significance and Limitations of Statistics, Collection of data; Primary and Secondary Data; Methods of collecting Primary and Secondary Data, Classification and Tabulation of Data.

UNIT – II:

Diagrammatic and graphical representation of data - Bar diagrams - One dimensional and Two dimensional diagrams, Pictograms and Cartograms, Frequency Distribution - Univariate and Bivariate Frequency Distributions, Histogram, Frequency Curve, Ogive Curves.

UNIT – III

Measures of Central Tendency - Mean, Median and Mode - their Merits and Demerits, Geometric Mean, Harmonic Mean, Relationship between AM, GM and HM, Combined Mean .

UNIT – IV:

Measures of Dispersion - Range, Mean deviation, Quartile Deviation, Standard Deviation and Lorenz Curve; Skewness - Karl Pearson's and Bowley's Coefficient of Skewness, Simple Correlation.

Text Books:

1. S. C. Gupta: *Fundamentals of Statistics*, Himalaya Publishing House, New Delhi

Suggested Readings:

1. Jay L. Devore: *Probability and Statistics for Engineering and the Sciences*, Cengage learning,
2. Murray R. Spiegel: *Theory & Problems of Statistics*, Schaum's publishing Series.

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BA ECONOMICS



SEMESTER-VI, Paper-XII (For Major 1 and Major 2 Courses)

History of Economic Thought-II

Course Code: ECO-601

Credit: 4

(T)

Course Outcome: In this paper, students will be able to understand the Neo-Malthusian school of economic thought and methods of economic analysis.

Unit-I

Neo Malthusian: J B Say- Say's law of market, Say's identity and quantity. Theory of money Keynes and Say's law; Nassau Senior, J S Mill and Synthesis of Classical Ideas. The down fall of Classical System

Unit-II

Neo Malthusian:

Classical legacy and Marxism- Approach to economic problem, Dialectical Materialism, Historical Determinism capitalist crisis, Socialists and the Institutionalists

Unit-III

Debate on Methods of Economic Analysis:

Historical school, Marginal revolution demand side analysis, Criticism of classical theory of value and distribution, Evolution of new theory of value of distribution: Menger, Walras and Jevons

Unit-IV

Debate on Methods of Economic Analysis:

Extension of new theory: Wieser, Bohm-Bawerk, Wiksteed, Edgeworth, Further developments of new theory, Wicksteed and Schumpeter, Fusion of Demand and Supply; Marshall, Politico Philosophical background, Evaluation of natural law, Individualism, Liberalism and Utilitarianism

Text Books:

1. Dobb, Maurice- Theories of Value and Distribution since Adam Smith
2. Obrien- Classical theory of Value and Distribution
3. Schumpete, J A- History of Economic Analysis
4. Stigler, G J- Essay in the History of Economics

Suggested Readings:

1. Clair, St. Oswald- A Key to Ricardo
2. Gide and Rist- History of Economic Doctrines
3. Meek, RL- Physiocracy
4. Meek, RL- The Labour theory of Value

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ECONOMICS OF GROWTH AND DEVELOPMENT

Course Code: ECO-602

Credit: 4

(T)

Course Outcome: The objective of this course is to aware the students about the concepts and basic model of economic growth and development. On completion of this course, students will be able to understand the concepts of development indicators, measurement of poverty line and inequality.

Unit I: Economic Growth and Development

Conception of Development Economic Growth and Development-Definition, Distinction and Measurement, Traditional Economic Measures- GNP, GDP, income per capita, Characteristics of developing nations, Economic and Non-Economic factors in economic development.

Unit II: Major Concerns of Development

Poverty and Inequality- Concept of Vicious Circle of Poverty, Measuring Absolute Poverty, Poverty Line, Poverty Gap, FGT poverty measure and HPI Concept of Inequality, Unemployment, Concept of Human Development and Its Indices;HDI, PQLI, HPI and GDI.

Unit III: Theories of Economic Growth and Development

Lewis model of labour surplus economy, RosenteinRodan's theory of Big Push, Nelson's Level equilibrium trap, balanced vs Un-balanced growth, Rostow's stages of growth, Harrod and Domar Growth models.

Unit IV: Development and International Issues

International aspects of economic development; International trade, FDI, FII, Regional cooperation (SAPTA, NAFTA, SAARC, BRICS etc.) , WTO and developing countries.

Text Books:

1. A.P Thirlwal, Economics of Development, Palgrave macmillan, Ninth Edition, 2014
2. Gerald M. Meier, Leading Issues in Economic Development, OUP, Eighth edition, 2010.
3. Todaro and Smith, Economic Development, Pearson Education Ltd., Eighth Edition,2009.

Suggested Readings:

1. Charles I. Jones Introduction to Economic Growth, Viva-Norton Student Edition, second edition, 2013.

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Economy of Uttar Pradesh

Course Code: ECO-603A

Credit: 4

(T)

Course Outcomes: This papers aims to introduce students with the basic economic features of Uttar Pradesh economy, growth pattern, agriculture and rural development, and sectoral growth and development in Uttar Pradesh.

UNIT I: Introduction Overview of Uttar Pradesh Economy

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.

UNIT II: Growth Pattern of Uttar Pradesh Economy

Sectoral growth pattern of in Uttar Pradesh; Economic growth in Uttar Pradesh and Indian economy: A comparison; Infrastructural development of Uttar Pradesh.

UNIT III: Agricultural and Rural Development in Uttar Pradesh

Pattern of land-holding and irrigation; production and productivity in agriculture, Farm mechanization, Crop diversification, agricultural credit, Agricultural policy and strategies in Uttar Pradesh, Rural Development – Problems and Policies.

UNIT IV: Industry and Service Sectors Industrial and service sector development in UP

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.

Text Books:

1. M K Agarwal, Uttar Pradesh ka Arthik Vikas.

Suggested Readings:

1. Publications of the Government of Uttar Pradesh.
2. Uttar Pradesh Human Development Report, UNDP, 2008.
3. Uttar Pradesh State Development Report, Volume I & II, State Plan Division, Planning Commission, Government of India, 2014.

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Elementary Mathematics for Economics

Course Code: ECO-603B

Credit: 4

(T)

Course Outcomes

The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general.

UNIT - I: Preliminaries

Sets and set operations; relations; functions and their properties; Number Systems and Introduction of algebraic series, Basic Trigonometry Identities.

UNIT – II: Functions of one real variable

Types of functions- constant, polynomial, rational, exponential, logarithmic; Graphs and graphs of functions; Limit and continuity of functions; Limit theorems

UNIT – III: Matrices & Determinants

Matrices: concept, types, matrix algebra, transposes of a matrix, inverse of a matrix, rank of a matrix; matrix inversion method and its economic application, Determinants: concept, properties, solving problems using properties of determinants, solution to a system of equations - Cramer's rule and its economic application

UNIT – IV: Differentiation

First order derivative and its application in Economics; Slope and elasticity of demand, Determination of Marginal revenue, marginal cost and marginal product; Second order derivative and its application in Economics, Point of inflexion, Concavity and convexity of curve, problem of maximization and minimization of certain economic variables.

Text books:

1. A. C. Chiang and K. Wainwright (2005): *Fundamental Methods of Mathematical Economics*, McGraw Hill International Edition.
2. Allen, R.G.D (2006): *Mathematical Analysis For Economists*, Macmillan And Company Limited
3. Mehta and Madhani: *Mathematics for Economists*, New Delhi: Sultan Chand Company

Suggested Readings:

1. T. Yamane (2012): *Mathematics for Economists*, Prentice-Hall of India
2. K. Sydsaeter and P. J. Hammond (2002): *Mathematics for Economic Analysis*, Pearson Educational Asia

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BA ECONOMICS
SEMESTER-VII, Paper: XV (For Major 1 Course)
Basic Econometrics

Course Code: ECO-701

Credit: 4

(T)

Course Outcome: On completion of this course, students will be able to understand the concept of econometrics in the economic research. They will learn hypotheses testing and regression model and their estimation.

Unit I

Introduction to Econometrics

Definition and scope of Econometrics, Branches of Econometrics (Theoretical and Applied), Goals of Econometrics, Random variables and its rationale, Deterministic and Stochastic models. Econometric model and its stages - specification, estimation, evaluation of parameters and forecasting power of model.

Unit II

Statistical Inference

Normal Distribution (Properties, Probability Density Function, its Parameters), Estimation of Parameters, Formulation of Hypothesis, Testing of Hypothesis, Type I and Type II error, Power of a test.

Unit III

Simple Linear Regression

Classical Assumptions- Stochastic and other assumptions, OLS method and Estimation of parameters by OLS, Properties of a good estimator, Gauss Markov Theorem, Goodness of fit of the econometric model, standard error test, t and F tests.

Unit IV

Two Variable Relationships: Additional Aspects

Transformation of Variables – Log-Log transformation and estimation of elasticity, Semi-log Transformation and estimation of growth rate, Reciprocal Transformations – Cases of rectangular hyperbola and Phillips curve. Autoregressive model, its estimation, Stationary and Non-Stationary series and concept of unitroot.

Text Books

1. Damodar Gujarati , Dawn C Porter and Sangeetha Gunasekar, Basic Econometrics , 5th edition, Tata McGraw-Hill Education Pvt. Ltd,2013.
2. J. Johnston, Econometric Methods, 2nd edition, McGraw-Hill.
3. Koutsoyiannis, Theory of Econometrics, 2nd edition, Macmillan.

Suggested Readings:

1. Johnston & Dinardo, Econometric Methods, 4th edition, The McGraw-Hill Companies, Inc.
2. Nagar, A.L and R.K Das, Basic Statistics, 2nd edition, Oxford University Press, 1976.

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BA ECONOMICS
SEMESTER-VII, Paper: XVI (For Major 1 Course)
Economics of Social Sector

Course Code: ECO-702

Credit: 4

(T)

Course Outcome: This paper introduces to students with concepts of social sector development such as the role of health and education in the economic growth and human development.

Unit- I

Role of Health and Education in Human Development

Importance of Health and Education in macroeconomics, Importance of Health and education in human development, Human Development Index and other related indices, Importance in Poverty Alleviation.

Unit- II

Economics of Education

Demand for Education and its determinants, Investment in human capital, Rate of return to education, Private and Social quality of Education,

Unit- III

Economics of Health

Demand for Health; Costing, cost effectiveness and cost-benefit analysis; burden of disease, uncertainty and health insurance market; alternative insurance mechanisms; market failure and rationale for public intervention;

Unit- IV

Education and Health Sector in India

Literacy rate, school participation, school quality measures, education policies, health planning and policies in India, social security measures.

Text Books:

1. Ronald G., Ehrenberg and Robert S., Smith, Modern Labor Economics: Theory and Public Policy, Addison Wesley, 2005.

Suggested Readings:

2. William, Jack, Principles of Health Economics for Developing Countries, World Bank Institute Development Studies, 1999.
3. World Development Report, Investing in Health, The World Bank, 1993

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BA ECONOMICS
SEMESTER-VII, Paper: XVII (For Major 1 Course)
Financial Economics

Course Code: ECO-703

Credit: 4

(T)

Course Outcome: On completion of this course students will be able to understand the functions of financial market, investment theories, risk analysis in investment in financial assets. Also, introduce with concepts of derivatives and options.

Unit I

Investment Theory and Portfolio Analysis

Basic Theories of interest, discounting and present value concept, rate of return, evaluation criteria, types of securities, bond prices and yield, interest rate sensitivity and duration, term structure of interest rates, yield curves, spot rates and forward rates.

Unit II

Risk and Capital Asset Price model (CAPM)

Random asset returns, portfolios of assets (mean and variance), feasible combination of mean and variance, risk of securities, CAPM, beta of an asset and of a portfolio, security market line, use of CAPM in investment analysis and as a pricing formula.

Unit III

Options and Derivatives

Introduction to derivatives and options, future and forward contracts, options. Forward and future prices, futures stock indices. Interest rate futures, Use of futures for hedging, duration based hedging strategies, option markets, option trading strategies: spreads.

Unit IV

Corporate Finance

Pattern of corporate financing, common stock, debt, preferences, convertibles, capital structure and cost of capital, corporate debt dividend policy, Modigliani-Miller theorem.

Text Books:

1. John C Hull, Options futures and other derivatives, Pearson education, 6th edition, 2005.
2. Thomas C Copland, J Fred Weston and Kuldeep Shastri, Financial Theory and Corporate Policy, Prentice Hall, 4th edition, 2003.

Suggested Readings

1. Richard A Brearley and Stewart C Myers, Principles of Corporate Finance, McGraw- Hill, 7th edition, 2002.

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BA ECONOMICS
SEMESTER-VII, Paper: XVIII-A (For Major 1 Course)
Indian Economic Thinkers

Course Code: ECO-704A

Credit: 4

(T)

Course Outcome: This paper introduces the students with contributions and ideas of Indian economic thinkers such as Mahatma Gandhi's Swadeshi movement, Ekatma Manavvaad of Deen Dayal Upadhyaya, B.R. Ambedkar's thought on agriculture, labour, budget and finance etc.,

UNIT-I

Ancient Indian Economic Thought- Valluvar: The idea of wealth, factor of production, welfare state, public health and public finance, poverty & begging. Kautilya: The Idea of Welfare State, Taxation & Public Finance, Interest & Profit, Trade, Infrastructure, Agriculture, Wage Policy, Price Regulation,

UNIT-II

Dadabhai Naoroji: Theory of Economic Drain, National Income of India, Taxation, The idea of Poverty; M.G. Ranade: Method & Scope of Political Economy, Economic Backwardness of India, Opposition to Laissez Faire & Theory of Drain; G.K. Gokhale: Economic Ideas- Indian Finance & Surplus budget, Economic Condition of India, Advocacy –of Policy of Protection and Criticism of Drain Theory

UNIT-III

Mahatma Gandhi: Village, Swadeshi, Place of Machine and Labour, Trusteeship, Cottage Industries; Ekatma Manavvaad of Deen Dayal Upadhyaya; Socialism of Dr Ram Manohar Lohiya

UNIT-IV

B.R. Ambedkar: Theory of Agriculture; Labour, Population; Insurance; Budget & Finance; Socialism; Industrialisation; J.K. Mehta: Wantlessness, The idea of Representative Firm, The theory of Interest & Profit; Economic thoughts of Chaudhary Charan Singh; M S Swaminathan

Text Books:

1. Ajit, K., Dasgupta, A history of Indian economic thought, Routledge 11 New Fetter Lane, London
2. Bhatiya, H.L., A history of Indian economic thought, S.Chand Publication. New Delhi
3. Ghos & Ghos, Concise History of Economic thought Himalaya publication House Pvt.Ltd.

Suggested Readings:

1. Shiva Chandra, A history of Indian economic thought, Firma KLM, The University of Michigan
2. T.N. Hajela, A history of economic thought, Ane Books Pvt. New Delhi.

Web References

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BA ECONOMICS
SEMESTER-VII, Paper: XVIII-B (For Major 1 Course)
Gender Economics

Course Code: ECO-704B

Credit: 4

(T)

Course Outcome: To introduce students to understand the basic concept of Gender Studies and to broaden their perspective towards different Gender identities.

Unit-1: Defining Gender: Difference between Gender and Sex, Patriarchy, Gender Stereotypes, Approaches to Women and development Women in Development (WID), Women and Development (WAD), Gender and Development (GAD), HDI, GDI and GEM, GNI.

Unit-2: Measuring Gender Equity: Meaning of Gender Equity and Equality, Gender Gap in access to Resources and Control over Economic Resources, Gender Budgeting, Women and work, Gender-wage differential, Glass ceiling

Unit -3: Gender Issues in Poverty: Women and poverty, Feminization of poverty, Gender inequalities: Access to education, health and other public services; Women and access to finance: Micro finance and self help groups;

Unit-4: Gender in International Perspective: Women Empowerment, Migration, International Initiatives for Women Development, Contemporary issues.

Text Books

1. Aneja Anu, Women and Gender Studies in India, Routledge India
2. Vishwanthan N. Ed, the Women Gender and Development Reader. Zubaan, New Delhi.

Suggested Readings

1. Boserup Ester, Women's Role in Economic Development, George Allen and Unwin, London.
2. Devasia Leelamma, Empowering Women for Sustainable Development, Ashish Publishing House, New Delhi.
3. Dreze J & Sen A, India Economic Development and Social Support Moduley. OUP, New Delhi.
4. Gupta A. S. et. Al (eds), Reflections of the Right to Development, Centre for Development and Human Rights. Sage Publication, New Delhi.
5. Gupta Nirmal K. and Sudan Falendra K, Women at Work in Developing Economy, Anmol Publications, New Delhi.
6. Misra. Roli, Migration and Gender Construction: Women in Transition (ed) by Sage Stree, New Delhi.
7. Misra. Roli, Rethinking Gender (ed) by Rawat Publications, Jaipur

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BA ECONOMICS
SEMESTER-VII, Paper: XIX-A (For Major 1 Course)
Economics of Agriculture

Course Code: ECO-705A

Credit: 4

(T)

Course Outcome: This paper introduces the importance of agriculture sector in the economy and its linkage to other sectors. Students will learn the concept of agricultural production function and gain knowledge of the causes of regional variations in agriculture productivity, impact of green revolution in agriculture sector, and function of agriculture markets.

Unit-I

Definition, scope and nature, need for a separate study of Agricultural Economics, Agriculture linkages to other sectors, role of agriculture in economic development.

Unit-II

Production function Analysis- factor-product, factor-factor, product-product relationship, types of farm organization and their comparative production efficiency.

Unit-III

Transformation of Agriculture- Schultz thesis of transformation of traditional agriculture and Green Revolution in Indian Agriculture.

Agriculture Markets- Aim, types and functions of agriculture markets, criteria for judging efficiency of agricultural market systems, Agricultural Marketing in India.

Unit-IV

Agriculture Credit- Importance of credit, Types of Credit, Non-Institutional and Institutional sources of agriculture credit, Various schemes catering credit requirements of Indian Farmer. Agriculture Price Policy- Need, objectives and Instruments of Agriculture price policy, agriculture price policy in India.

Text Books

1. Acharya, S. S. and Agarwal, N. L.(1994). Agricultural Price Policy. Oxford and IBH Publishing Co. NewDelhi
2. G.Datt and A. Mahajan (2017), Indian Economy, 72nd edition, S.Chand, Newdelhi.
3. Kohls, R. L. and Joseph, N. Uhl. (1980). Marketing of Agricultural Products, Collier Macmillan, NY.

Suggested Readings

1. Acharya, S. S. and Agarwal, N. L.(1999). Agricultural Marketing in India. Oxfordand IBH Publishing Co. NewDelhi.
2. G. E. Shephard. Agricultural Price Analysis. Iowa State University Press, Ames, Iowa.
3. Reddy, S. and Raghuram, P. Agricultural Finance and Management. Oxford and IBH, NewDelhi.
4. Sanjeev Kumar-The State of Indian Agriculture, Sage Publications
5. Singh,Sadhu and Singh (2013), Fundamentals of Agricultural Economics, Himalaya Publishing House, Delhi.

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BA ECONOMICS
SEMESTER-VII, Paper: XIX-B (For Major 1 Course)

Economics of Infrastructure

Course Code: ECO-705B

Credit: 4

(T)

Course Outcome: On completion of this course students will be able to understand the role of physical and social infrastructure in economic development.

Unit- I

Infrastructure and Economic Development

Infrastructure as a public good; Economic Characteristics and types- social and physical infrastructure; Public utilities- Rationale of state provision.

Unit- II

Pricing Methods

Public private partnership investment, Peak-Load, Off-load problem, Marginal cost pricing vs. other methods of pricing in public utilities.

Unit- III

Transport and communication

The structure of transport costs and location of economic activities, Demand for transport, models of freight and passenger demand, the supply of transport, pricing policy, cost levels and structure-road transport, introduction to the setting of postal tariffs; criteria for fixation of postal tariffs, block pricing for Indian postal services.

Unit- IV

Energy and Electricity

Primacy of energy in the process of economic development, factors determining demand for energy, effects of energy shortage, energy conservation, renewable and non-conventional sources of energy, the relative economies of thermal, hydro and nuclear power plants, the case for a national power grid, the exploitation of natural gas, pricing problem, environmental implications.

Text Books

1. Crew, M.A. and P.R. Kleindorfer (1979), Public Utility Economics, Macmillan, London
2. Parikh, K.S. (Ed) (1999), India Development Report 1999-2000

Suggested Readings:

1. Indian Council of Social Sciences Research (ICSSR) (1976), Economics of Infrastructure, Vol. VI, New Delhi,
2. National Council of Applied Economic Research (NCAER) (1976), India Infrastructure Report: Policy Implications for Growth and Welfare, NCAER, New Delhi.
3. Parikh, K.S. (Ed.) (1997), India Development Report 1997, Oxford, New Delhi.

Web References

<http://heecontent.upsdc.gov.in/>

<https://epgp.inflibnet.ac.in/>

<https://swayam.gov.in/>

<https://udrc.lkouniv.ac.in/Department/DepartmentDetail/StudyMaterial?dept=5>

<https://www.coursera.org/in>

Course Outcome: This paper helps students to understand the research methodology such as how to develop a research design framework for economic research, types and sources of data collection, and how to write dissertation and reports of research findings.

Unit I

Introduction o Research

Meaning, nature, scope and objectives of social research; Identification of Research problem-objectives, hypothesis, stages of scientific research; Motivating factors of social research.

Unit II

Research Design

Meaning and need of research design; Types of research design (only introduction) – descriptive, exploratory, diagnostic and experimental

Unit III

Data Collection

Facts-features; Primary data collection methods – Direct observation, questionnaire, schedule, interview; Secondary data collection methods – Personal documents, Public documents and Limitations.

Unit IV

Data Presentation, Analysis and Report Writing

One- dimensional diagrams; Two- dimensional diagrams; Graphs of time series; Graphs of frequency distribution, Types of Reports- Research Report Format- Documentation: Footnotes and Bibliography- Writing the Report- Presentation.

Text Books:

1. Ghosh, B.N. : Scientific Methods and Social Research, Sterling Publishers Pvt.Ltd, New Delhi,1982.
2. Goode William J. and Hatt, Paul, Methods in Social Research, McGraw Hill, New York.
3. Gopal M.H. : An Introduction to Research Procedure in Social Sciences, Asia Publishing House, Bombay,1964.
4. Gupta S.P (1988) –Statistical Methods- Sultan Chand & Sons ,Delhi.
5. Gupta, S. C. (1993), Fundamentals of Applied Statistics, S. Chand & Sons,New Delhi.

Suggested Readings

1. Hans Raj : Theory and Practice in Social Research, Surjeet Publication, NewDelhi, 1979.
2. Kothari C.R, (1988) Research Methodology Method and Techniques, Wiley Eastern Limited ,New Delhi
3. Sadhu A.N. and Singh Amarjit : Research Methodology in Social Sciences,Himalaya Publishing House, Bombay,1980.
4. Tandon B.C. : Research Methodology in Social Science, Chaitanya PublishingHouse, Allahabad,1979.

Web References

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BA ECONOMICS

SEMESTER-VIII, Paper: II (For CC/ VC)

Major Project

Course Code: ECO-801 VC

Credit: 24

(T)

Course Objective: The objective of the course is to make the students learn the skills of formulation of research problem, objectives, hypotheses and also the skills of data collection, analysis and interpretation. This course is directly related to Ability Enhancement of students.

General Outlines:

1. Each student should be assigned a project supervisor from the faculty members of the concerned centre.
2. The topic of project report should be decided by the supervisor taking into account the area of interest of the student. As far as possible the topic should address the current issues / developments in the field of Economics.
3. Standard norms for the preparation of a research project report may be followed – introduction, brief background, relevance of the topic, literature review, problem statement, objectives, hypotheses, sample design, data nature and sources, tools and techniques of data collection, data presentation, analysis, and interpretation, findings and conclusion.
4. The Dissertation outcomes may be reported in the following form: Chapter-1: Introduction & Review of Literature; Chapter-2: Research Methodology; Chapter-3: Conceptual & Theoretical Description; Chapter-4: Analysis and Interpretations; Chapter-5: Conclusion, Suggestions & Scope for further research; References, Annexure, etc.
5. The Dissertation outcomes should be evaluated both in the form of reports and viva-voce examination by a duly constituted committee by the appropriate authority.
6. This is to be evaluated as ‘Satisfactory (S)’ or ‘Unsatisfactory (US)’.



BA ECONOMICS
SEMESTER-I, Paper: II (For CC1)
FINANCIAL LITERACY AND BANKING

Course Code: ECO-101 CC1

Credit: 4

(T)

Course Objective: The course is designed to inculcate the values of financial literacy and banking in the 21st century, which are an utmost need of the hour to overcome various challenges. To make the students aware of the benefits of financial planning through financial literacy and banking.

Unit: I

Basics of Savings and Investment: Why are investing and savings important? Savings Vs Investment, Power of Compounding, What should be the investment objectives? Risk and Return, Inflation effects on Investment, Investor's Age and Assets Allocation. Tax saving Schemes Government Schemes-National Saving Certificates, Public Provident Fund, Post Office Schemes, Equity Linked Savings Schemes, Retirement Benefits Schemes- NPS (New Pension System)

Unit:-II

Banking Activities: Deposits and Types of Deposits-Saving Bank Accounts, Fixed Deposit Accounts, Recurring Deposit Account, Special Term Deposit Schemes, Loans and Types of loan advanced by Banks and Other secondary functions of Bank. Banking structure in India and Role of Reserve Bank of India

Unit: III

Financial Markets: Capital Market Vs Money Market, Securities and its types, i.e., Equity, Debentures or Bonds, IPOs and FPOs, Mutual Funds, Types of Mutual Funds, Brokers, sub-brokers, Process for becoming a capital market investor

Unit: IV

Protection Related products: Insurance Policies, Life Insurance, Term Life Insurance, Endowment Policies, Pension Policies, ULIP, Health Insurance and its Plans, Understanding of Ponzi Schemes Output: It will make a more responsible individual with a disciplined approach to money and helps people from overspending and inculcates a habit of savings and investments.

Text Books and Suggested Readings:

1. Investment Planning by SEBI
2. Indian financial System, by T. R. Jain and R. L .Sharma, VK Global Publisher
3. Money and Banking by T. R. Jain and R. K. Kaundal, VK Global Publisher

Web References

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BA ECONOMICS
SEMESTER-I, Paper: I (For VC1)
COMMUNICATION SKILL

Course Code: ECO-101 VC1 **Credit: 4 (T)**

Course Objective: This paper intends to build up the four primary skills in students in the academic as well as in the wider domains of use like public offices. The books recommended only provide guidelines for what to teach, and the list is in no way exhaustive. Teachers must be free and resourceful enough to collect teaching materials on their own, and even use newspaper clippings as teaching materials.

UNIT I

Define communication, Types of communication, Uses of Communication, Inter-cultural communication, Communication today, alternative texts of language learning, global English and English in the print and electronic media in India.

UNIT II

The Four Skills and Prospect of new material in language learning (a) Listening-Passive and active, Speaking effective, intelligibility and clarity (b) Methods and techniques of reading such as skimming, scanning and searching for information; Reading to understand the literal, metaphorical and suggested meaning of a passage, (c) Identifying the tone of the writer and view-points. (d) Cohesive and Coherent writing

UNIT III

Grammatical and Composition Skills, formal vs, informal styles, Learning to understand information structure of the sentence such as topic-focus relationship; strategies of thematization, postponement, emphasis, structural compression, Logical Connectors between sentences, Methods of developing a paragraph, structure of an essay and methods of developing an essay

UNIT IV

Exercises in Written Communication (i) Précis writing (ii) Note-taking skills (iii) Writing reports (iv) Guidelines and essentials of official correspondence for making enquiries, complaints and replies (v) Making representations; writing letters of application for jobs; writing CV, writing letters to the editor and social appeals in the form of letters/pamphlets.

Text Books and Suggested Readings:

Advanced reading Skills for Students of English Literature. Martin• Montgomery et al. London: Routledge, 2007.

Cambridge University Press. • Vistas and Visions. Orient Black Swan (writing and grammar exercises at the end of • lessons are recommended)

From Remapping An Anthology for Degree Classes, ('Writing Skills'), Orient Black Swan.

Contemporary Communicative English, S Chand•

Web References

<http://heecontent.upsdc.gov.in/>

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BA ECONOMICS
SEMESTER-II, Paper: I (For CC2)
COMPUTER APPLICATION IN DATA MANAGEMENT

Course Code: ECO-201 CC2

Credit: 4

(T)

Course Objective: In the present era of information society, information is one of the major driving forces for social, economic, political and cultural development of a country. Information is created, presented in various visual forms, related with other form of information and then used for economic and decision making activities. One of the key ingredients of creating information is Data. The knowledge of tools and techniques of data collection, data presentation and data analysis by using the spread sheet package is high in demand in almost all the sectors of economy. This skill enhancement course will equip you with the tools and techniques of collection, presentation and analysis of data through using the spreadsheet package (excel) which, in turn, will enhance your employability.

Unit I: Computer Fundamentals

Introduction to Computers; Classification of Digital Computer, Meaning and Concept; Hardware, Software and Types of Software; Operating System Meaning and Functions; Memory – RAM and ROM; Input-Output Devices; MS Office: MS-Word and MS PowerPoint

Unit II: Data Processing Techniques using MS Excel

Concept of Data – Record and File – Types of Data – Data Entry – File handling and Operations like opening, appending and cascading – closing and attribute controls – Data Storage and Retrieval, Graphical Representation of Data.

Unit-III: Application of MS-Excel

Summarizing and analysis of data; Descriptive Statistics (Mean, median, mode, standard deviation, CV, skewness); Comparison of means; Correlation and Regression analysis; Estimation of Growth Rates; Trends of Forecasting; Testing the significance of parameters.

Unit-IV: Introduction to Statistical Software and Estimation

Basics of Data Analysis – Data Entry in SPSS/ R – Computing with SPSS/ R – Preparation of Graphs with SPSS/ R – Distribution Functions and Density Functions – Statistical Package handling and command description for SPSS/ R – Reports, Descriptive – Statistics, Compare Means, Time Series Analysis, Correlation and Regression Models.

Text Books and Suggested Readings:

- Fundamentals of Computers by Rajaraman V, Prentice Hall India Learning Private Limited; 5 edition (2010)
- David Whiteley, E-Commerce: Strategy, Technologies and Applications, Tata McGraw Hill, NewDelhi.
- Goel, Sushil, Computer Application to Business & E-Commerce, Natraj Publishing House, Karnal.
- Lipschultz, M.M. and S. Lipschultz, Theory and Problems of Data Processing, Schum's OutlineSeries, McGraw Hill, New York.
- Madan, Sushila, Information Technology, Taxman Allied Services, New Delhi.
- P.T. Joseph, S.J., E- Commerce : An Indian Perspective, PHI Learning, New Delhi.
- Parameswaranm R. Computer Applications in Business, S. Chand and Company, New Delhi.

Web References

- <http://heecontent.upsdc.gov.in/>
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BA ECONOMICS
SEMESTER-II, Paper: I (For VC2)
LEADERSHIP AND PERSONALITY DEVELOPMENT

Course Code: ECO-201 VC2

Credit: 4

(T)

Course Objective: This programme is designed to aid candidates in their preparation for recruitment through campus or outside campus. The course will enable students to be a better professional through effective communication.. Students will learn skills to present themselves in an effective manner while facing interviews or similar test for placements.

Unit I:

CV Writing Skills and Interview Techniques; Leadership: Definition and meaning, Importance, Leadership and Management, Leader vs Manager, Essential qualities of an effective leader

Unit II:

Theories of Leadership: Trait theory, Behavioral theories, Contingency theory

Unit III:

Types of Leaders, Leadership styles: Traditional, Transactional, Transformational, Inspirational and servant leadership and Emerging issues in leadership: Emotional Intelligence and leadership, Trust as a factor, Gender and Leadership

Unit IV:

Personality: Concept and Definition, Determinants of personality, Personality traits, Personality characteristics in organizations: Self evaluation, Locus of control, Self-efficacy, Self-esteem, Self-monitoring: Positive and negative Impact. Organizational Context of Leadership and Personality, Contemporary Business Leaders.

Text Books and Suggested Readings:

- Organisational Behaviour , M.Parikh and R.Gupta , TataMcGraw Hill Education Private Limited
- Organisational Behavior, D. Nelson, J.C Quick and P. Khandelwal, Cengage Publication

Web References

- <http://heecontent.upsdc.gov.in/>
- <https://epgp.inflibnet.ac.in/>
- <https://swayam.gov.in/>
- <https://udrc.lkouniv.ac.in/Department/DepartmentDetail/StudyMaterial?dept=5>
- <https://www.coursera.org/in>