

Progressive Education Society's
Modern College of Arts, Science and Commerce (Autonomous),
Shivajinagar, Pune 5

(An Autonomous College Affiliated to Savitribai Phule Pune University)

Framework of Syllabus

For

M.A./M.Com./M.Sc./M.Voc.

(Based on NEP 2020 framework)

(To be implemented from the Academic Year 2023-24)

Semester 1 (First Year)

Course Type	Code	Course	Course / Paper Title	Hours / Week	Credit	C I A	E S E	Total
Major Mandatory (4 + 4+4+2)	23ArEcoP111	Major Paper 1 (Theory)	Micro Economic Analysis-I	4	4	50	50	100
	23ArEcoP112	Major Paper 2 (Theory)	Public Economics - I	4	4			
	23ArEcoP113	Major Paper 3 (Theory)	International Trade	4	4			
	23ArEcoP114	Major Paper 4 (Practical / Theory)	History of Economic Thought – I	2/4	2	25	25	50
Major Electives (4)	23ArEcoP121	Major Elective 1 (T/P)	Labour Economics Indian Economic Policy	4	4	50	50	100
	23ArEcoP122	Major Elective 2 (T/P)		4				
RM (4)	23ArEcoP131	RM Paper 1	RM Core Paper	2	4	50	50	100
		RM Paper 2	Research Methodology	2/4				
OJT(4)		–	–	–	–	–	–	–
Total				22/26/28	22	175	175	350

Semester 2 (First Year)

Course Type	Code	Course	Course / Paper Title	Hours / Week	Credit	C I A	ESE	Total
Major Mandatory (4 + 4+4+2)	23ArEcoP211	Major Paper 1 (Theory)	Micro Economic Analysis- II	4	4	50	50	100
	23ArEcoP212	Major Paper 2 (Theory)	Public Economics -II	4	4			
	23ArEcoP213	Major Paper 3 (Theory)	International Finance	4	4			
	23ArEcoP214	Major Paper 4 (Practical/ theory)	History of Economic Thought - II	2/4	2	25	25	50
Major Electives (4)	23ArEcoP221	Major Elective 1 (T/P)	Agriculture Economics Co-operation : Theory and Practice	4	4	50	50	100
	23ArEcoP222	Major Elective 2 (T/P)		4				
RM (4)		–	–	–	–	–	–	–
		–	–	–				
OJT(4),	23ArEcoP241	OJT	On Job Training	8	4	50	50	100
Total				30/32	22	175	175	350

Semester 3 (Second Year)

Course Type	Code	Course	Course / Paper Title	Hours / Week	Credit	CI A	E S E	Total
Major Mandatory (4 + 4+4+2)	23ArEcoP311	Major Paper 1 (Theory)	Macro Economics -I	4	4	50	50	100
	23ArEcoP312	Major Paper 2 (Theory)	Growth and Development -I	4	4			
	23ArEcoP313	Major Paper 3 (Theory)	Industrial Economics	4	4			
	23ArEcoP314	Major Paper 4 (Practical/Theory)	Modern Banking	4/2	2	25	25	50
Major Electives (4)	23ArEcoP321	Major Elective 1 (T/P)	Demography	4	4	50	50	100
	23ArEcoP322	Major Elective 2 (T/P)	World Economy	4				
RP (4)	23ArEcoP352	RP	Research Project	8	4	50	50	100
OJT(4),								
Total				26/28	22	175	175	350

Semester 4 (Second Year)

Course Type	Code	Course	Course / Paper Title	Hours / Week	Credit	C I A	E S E	Total
Major Mandatory (4 + 4+4+2)	23ArEcoP411	Major Paper 1 (Theory)	Macro Economics –II	4	4	50	50	100
	23ArEcoP412	Major Paper 2 (Theory)	Growth and Development-II	4	4			
	23ArEcoP413	Major Paper 3 (Theory)	Industrial Economic Environment	4	4			
Major Electives (4)	23ArEcoP421	Major Elective 1 (T/P)	Rural Development	4	4	50	50	100
	23ArEcoP422	Major Elective 2 (T/P)	Economics of Environment	4				
RP (4)	23ArEcoP452	RP	Research Project	12	6	75	75	150
OJT(4),								
Total				32	22	175	175	350

OE: Open Elective

AEC: Ability Enhancement Course

VEC: value Education Courses

CC: Co-Curricular Courses

IKS: Indian Knowledge System

OJT: On Job Training

FP: Field Project

VSC: Vocational Skill Courses

CEP: Community Engagement Project

PG ECONOMICS
PART - I, SEMESTER – I
SYLLABUS NEP 2020

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PG Part 1 Year of M.A. (Economics)
(2023 Course under NEP 2020)
Major Mandatory

Course Code: 23ArEcoP111 Course Name: Micro Economic Analysis I

Teaching Scheme: TH: 4 Hours/Week

Credit: 04

Examination Scheme: CIA: 50 Marks

End-Sem: 50 Marks

Course Objectives:

1. To study economic behavior of individuals, firms and markets.
2. To Study demand analysis, production theory and the concept of equilibrium.

Course Outcomes:

1. The student will equip with the necessary analytical tools to analyze the behavior of the micro units like individual consumer, firm etc.
2. The students will have a better and rational approach towards economic decision making.

Course Contents

Chapter 1	INTRODUCTION TO MICRO ECONOMICS	15 lectures
	1.1 Micro Economics- Concept, importance and scope. 1.2 Basic Economic Problems of Scarcity and Choice. 1.3 Market and Price Mechanism 1.4 Disturbances to Equilibrium, Floor Price, Ceiling Price.	
Chapter 2	THEORY OF CONSUMER	15 lectures
	2.1 The Concept of and Measurement of Utility: Cardinal and Ordinal. 2.2 Theory of Consumer Choice: Marginal Utility Theory, Indifference Curve Approach, Income and Price Expansion Paths, Demand Curve. 2.3 Income and Substitution Effects: Slutsky and Hicksian approach. 2.4 Theory of Revealed Preference, Index Numbers. 2.5 Concept of Elasticity: Price, Income and Cross Elasticity. 2.6 Concept of Consumers' Surplus. 2.7 Preference Ordering	
Chapter 3	THEORY OF PRODUCTION	15 lectures
	3.1 Production Function Analysis– One Input, Two Inputs: Isoquants.	

	3.2 Law of Variable Proportions, Returns to the Variable Factor, Returns to Scale, Cobb- Douglas Production Function. 3.3 Producer's Equilibrium with one and two inputs. 3.4 Cost Curves, Total, Average and Marginal Cost, Short Run and Long Run Costs, Economist concept of cost. 3.5 Concept of Total Revenue, Average Revenue and Marginal Revenue 3.6 Derivation of Supply curve, Firm and Industry, Short Run and Long Run.	
Chapter 4	EQUILIBRIUM	15 lectures
	4.1. Partial and General Equilibrium. 4.2 Edgeworth Box Depiction of Competitive Market 4.3 Equilibrium involving only Exchange. 4.4 Externality, Concept of Social Welfare.	
	Total	60 lectures

References:

1. Arthur O Sullivan, Micro Economics principles Applications and tools, Pearson Publication, Delhi.
2. Dwivedi D.N. (2011) Micro Economics, Pearson Publication, New Delhi.
3. Hirschleifer J and A. Glazer (1997), Price Theory and Applications, Prentice Hall of India, New Delhi.
4. Kreps, David, M (1990), A Course in Microeconomic Theory, Princeton University Press.
5. Rubinfeld Pindyck, Microeconomic Theory and application, 7th edition, Pearson Education, New Delhi.
6. Misra S.K. and V.K. Puri (2001), Advanced Microeconomic Theory, Himalay Publishing House, New Delhi
7. Sen, A.(1999): Micro Economics: Theory and Applications, Oxford University Press, New Delhi.
8. Stigler, G (1996), Theory of Price, Prentice Hall of India, New Delhi.

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Major Mandatory

Course Code: 23ArEcoP112

Course Name: Public Economics I

Teaching Scheme: TH: 4 Hours/Week

Credit: 04

Examination Scheme: CIA: 50 Marks

End-Sem: 50 Marks

Course Objectives:

1. To introduce students to role and functions of the government in the economy.
2. To introduce students to vast array of fiscal institution- tax systems, expenditure programmes, budgetary procedures, stabilization instruments, debt issues etc.

Course Outcomes:

1. It will help students in understanding the government's role, functions, fiscal policies and operations.
2. It will enable students understand the principles of public expenditure and taxation.

Course Contents

Chapter 1	INTRODUCTION TO PUBLIC ECONOMICS	15 lectures
	1.1 Public Economics Concepts: Meaning, Importance and scope. 1.2 Role of Government in Society 1.3 Changing Perspective -Government in a Mixed Economy: Public and Private Sector 1.4 Government as an agent in Economic Development 1.5 Types of Goods- Private Goods, Public Goods, and Merit Goods.	
Chapter 2	RATIONALE FOR PUBLIC POLICY	15 lectures
	2.1 Allocation of Resources — Provision of Public Goods. 2.2 Voluntary Exchange Models 2.3 Impossibility of decentralized provision of Public Goods 2.4 Contributions of Samuelson and Musgrave, Demand Revealing Schemes for public goods, Contributions of Clarks, Groves Theory of Club Goods, Stabilization Policy	

Chapter 3	PUBLIC EXPENDITURE	15 lectures
	3.1 Wagner's Law of Increasing State Activities 3.2 Wiseman- Peacock Hypothesis, Pure Theory of Public Expenditure 3.3 Structure and Growth of Public Expenditure 3.4 Methods of Project Evaluation - Social Cost-Benefit Analysis, Project Evaluation, Estimation of Costs, Discount Rate. 3.5 Reforms in Expenditure Budgeting-Programme Budgeting and Zero-Base Budgeting, Outcome of Budget and Performances.	
Chapter 4	TAXATION	15 lectures
	4.1 Theory of Incidence, Alternative concepts of Incidence 4.2 Allocative and Equity aspects of Individual Taxes 4.3 Benefit and Ability to Pay Approaches 4.4 Theory of Optimal Taxation, Excess Burden of Taxes 4.5 The problem of Double Taxation, Shifting of Tax Burden.	
	Total	60 lectures

References:

1. Buchanan, J.M. (1968), The Demand and Supply of Public Goods, Rand McNally, Chicago.
2. Cornes, R. and T. Sandler (1986), The Theory of Externalities, Public Goods and Club Goods, Cambridge University Press, Cambridge.
3. Dorfman, R. (Ed.) (1970), Measuring the Benefits of Government Investment, Brookings Institution, Washington.
4. Duff, L. (1997), Government and Market, Orient Longman, New Delhi.
5. Goode, R. (1986), Government Finance in Developing Countries, Tata McGraw Hill, New Delhi. Houghton, J.M. (1970), The Public Finance: Selected Readings, Penguin, Harmondsworth.
6. Herber, B.P. (1967), Modern Public Finance, Richard D. Irwin, Homewood.
7. Mueller, D.C. (1979), Public Choice, Cambridge University Press, Cambridge.
8. Rajesh K.Jha (2012) Public Finance. Pearson Publication, New Delhi
9. Spulber, N. (1998), Redefining the State, Cambridge University Press, Cambridge.
10. Spulber, N. (1998), Redefining the State, Cambridge University Press, Cambridge.
11. Stiglitz, J.E. (1986), Economics of Public Sector, Norton, New York

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Major Mandatory

Course Code: 23ArEcoP113

Course Name: International Trade

Teaching Scheme: TH: 4 Hours/Week

Credit: 04

Examination Scheme: CIA: 50 Marks

End-Sem: 50 Marks

Course Objectives:

1. The main aim of the paper is to make students aware of fundamental theories of international trade, terms of trade and trade policy.
2. To provide students' knowledge about international trade organization and trends in global trade.

Course Outcomes:

1. The students will have a better understanding of theoretical basis of international trade.
2. It will help students understand trends in global trade and role of international organization in developing international trade.

Course Contents

Chapter 1	OVERVIEW OF TRADE THEORIES	20 lectures
	1.1 International Trade- Concept, importance and scope 1.2 Ricardian Theory of Comparative Cost, Theory Opportunity Cost. 1.3 Heckscher Ohlin Theorem 1.4 Verification of Physical Criterion and Price Criterion 1.5 Leontief's Paradox – Factor Price Equalization and explanation with Edgeworth Box Diagram 1.6 Modern theories of Trade, Product Life Cycle and Technology Gap Models 1.7 Preference similarity and Intra-Industry Trade, Economies of Scale and Monopolistic Competition 1.8 Krugman's- Theory of International Trade 1.9 Neo-Heckscher Ohlin theorem.	
Chapter 2	TERMS OF TRADE	10 lectures
	2.1 Concepts of Terms of Trade, Net Barter Terms of Trade. and Gross Barter Terms of Trade.	

	2.2 Factors affecting Terms of Trade. 2.3 Terms of Trade and Economic Development.	
Chapter 3	TRADE POLICY	15 lectures
	3.1 Free Trade vs. Protection Trade 3.2 Tariffs and Non-Tariff Barriers on Trade 3.3 Effects of Tariffs under Partial Equilibrium. (Price Effect, Terms of Trade Effect, Competitive Effect, Income Effect, Revenue Effect) 3.4 Effects under General Equilibrium, Stolper – Samuelson Theorem	
Chapter 4	WTO AND WORLD TRADE	15 lectures
	4.1 Background of WTO 4.2 International Trade Agreements 4.3 Dunkel Proposal. 4.4 WTO- Important Agreements, Major developments since 1995, Impact on the Indian Economy. 4.5 Features of Global Trade Growth 4.6 Composition of the Global Trade Growth, Growth of trade in Services, Developing Countries and Participation in Global Trade 4.7 Issues and Challenges in world trade- Trade war.	
	Total	60 lectures

Recommended Books:

1. Chacholiades, M. (1990), International Trade: Theory and Policy, McGraw Hill, Kogakusha, Japan.
2. Gerber James (2012) International Economics Pearson Publication. New Delhi
3. Kindleberger, C.P. International Economics, R.D. Irwin, Homewood.
4. Krugman Paul R. & Maurice Obstfeld (2009) International Economics Theory and Policy. Pearson Education Publication New Delhi
5. Salvatore, D. (1997), International Economics, Prentice Hall, Upper Saddle River, N.J., New York.
6. Soderston, Bo (2005), International Economics, The Macmillan Press Ltd., London.

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Major Mandatory

Course Code: 23ArEcoP114 Course Name: History of Economic Thought - I

Teaching Scheme: TH: 2 Hours/Week

Credit: 02

Examination Scheme: CIA: 25 Marks

End-Sem: 25 Marks

Course Objectives:

1. To study the evolution of economic thought.
2. To study the philosophies and theories of different thinkers in the subject of economics.

Course Outcomes:

1. It will help the students to understand the evolution and origin of Economic Theories.

Course Contents

Chapter 1	PRE – CLASSICAL AND CLASSICAL ECONOMIC THOUGHT	12 lectures
	1.1 Introduction to Mercantilism and Physiocracy. 1.2 Classicism: a) Adam Smith: Naturalism, Division of Labour, Optimism, Functions of State, Capital Accumulation, Free Trade. b) Thomas Malthus: Theory of Population, Theory of Gluts. c) David Ricardo: Theory of Value and Theory of Rent. 1.3 Re- statement of Classicism: J.S. Mill: Views on Production, Distribution, Rent, Wages, Interest, Profit, Exchange, Money and Credit, International Trade.	
Chapter 2	KARL MARX	8 lectures
	2.1 Karl Marx: Theory of Value, Surplus Value, Rate of Exploitation, Profit, Crisis of Capitalism.	
Chapter 3	NEO- CLASSICAL ECONOMIC THOUGHT	10 lectures
	2.1 Dr. Alfred Marshall: Definition of Economics,	

	Role of Time in Price Determination, Consumer Surplus, Elasticities, External and Internal Economies, Quasi-Rent. 2.2 J.B.Clark: Marginal Productivity Theory of Distribution, Clark's conception of Capital.	
	Total	30 lectures

Recommended Books:

1. Reddy Y.V., (2009), History of Economic Thought: Ancient Times to Modern Times New Century Publication, New Delhi.
2. Hajela T. N., (2008), History of Economic Thought, Ane Books India, New Delhi,
3. Hunt E.K. and Lautzenheiser Mark, (2011), History of Economic Thought: A Critical Perspective, PHI Learning, New Delhi,
4. Juneja L.K., (2018), History of Economic Thought, Anjali Publication and Distribution, New Delhi.
5. Dutt Romesh, (1990), Low Price Publication, New Delhi 1990, The Economic History of India.
6. Robbins Lionnel, (2000), A History of Economic Thought, The LSE Lectures, Princeton University Press.
8. Girija M., Manimekalai., Sasikala L., (2003), Vrinda Publications, History of Economic Thought.

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Major Electives - I

Course Code: 23ArEcoP121

Course Name: Labour Economics

Teaching Scheme: TH: 4 Hours/Week

Credit: 04

Examination Scheme: CIA: 50 Marks

End-Sem: 50 Marks

Course Objectives:

1. The course is designed to study the overall concepts of labour economics.
2. To study the recent labour reforms and policies in context to India.

Course Outcomes:

1. The student will be able to understand labour problems, labour reforms and policies in India.

Course Contents

Chapter 1	INTRODUCTION TO LABOUR ECONOMICS	10 lectures
	1.1 Meaning- Concept, Significance and Peculiarities of Labour. 1.2 Nature, Scope and Importance of Labour Economics. 1.3 Characteristics of Indian Labour Market.	
Chapter 2	WAGE DETERMINATION -THEORIES AND POLICIES	15 lectures
	2.1 Marginal Productivity Theory, Theory of Collective Bargaining, Modern Theory of Wages. 2.2 Minimum Wage and Fair Wage 2.3 Wage Determination in – Organized and Unorganized Sector. 2.4 Evolution and Features of Wage Policy in India	
Unit 3	MIGRATION, ABSENTEEISM AND LABOUR TURNOVER	15 lectures
	3.1 Migration – Concept, causes and effects 3.2 Approaches to Labour Migration - trends and Effects of Migration.	

	3.3 Absenteeism of Industrial Labour in India, Causes, Effects and Remedies. 3.4 Labour turnover - Trends in Labour Turnover in India	
Chapter 4	LABOUR MARKET FLEXIBILITY	10 lectures
	4.1 Labour Market Flexibility: Meaning and Concept 4.2 Types of Flexibility	
Chapter 5	REFORMS OF LABOUR MARKET IN INDIA	10 lectures
	5.1 Child Labour Policy in India 5.2 Problems and Policy of Female Workers in India 5.3 Labour Relations in India 5.4 Contract Labour 5.5 Review of Labour laws in India and Labour Law Amendment (2016-17)	
	Total	60 lectures

Recommended Books:

1. Datt, G (1996), Bargaining Power, Wages and Employment: An Analysis of Agricultural, Labour : Markets in India : Sage Publications, New Delhi
2. Hajela, P.D.(1998), Labour Restructuring in India : A Critique of the New Economic Policies, Commonwealth Publishers, New Delhi.
3. Jhabvala, R.and R.K. Subrahmanya (Eds) (2000), The Unorganised Sector : Work Security and Social Protection : Sage Publications, New Delhi.
4. Lester, R.A.(1964), Economics of Labour (2nd Edition), Macmillan, New Work.
5. McConnell C.R. And S.L. Brue (1986), Contemporary Labour Economics, McGraw-Hill, New York.
6. Papola, T.S.P.P. Ghosh and A.N.Sharma (Eds)(1993). Labour, Employment and Industrial Relations in India, B.R.Publishing Corporation, New Delhi.
7. Srinivasan T.N., The Handbook of Development Economics North Holland, New York.
8. Venkata Ratnam, C.S.(2001), Globalization and Labour- Management Relations : Dynamics of Changes, Sage Publications/Response Books, New Delhi.
9. Tyagi, B.P., Labour Economics and Social Welfare, Jai Prakash Nath and Company, Meerut.
10. Ministry of Labour and Employment, <http://labour.gov.in>
11. Edward J.Amadeo. and Horton Susan., Labour Productivity and Prductivity: An Overview, Palgrave Macmilan.

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PG Part 1 Year of M.A. (Economics)
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Major Electives - II

Course Code: 23ArEcoP122

Course Name: Indian Economic Policy

Teaching Scheme: TH: 4 Hours/Week

Credit: 04

Examination Scheme: CIA: 50 Marks

End-Sem: 50 Marks

Course Objectives:

1. To study the features of Indian Economy and developmental strategies in India.
2. To discuss commercialization of Agriculture.
3. To assess the process of Industrial Transition in India.

Course Outcomes:

1. The student will be familiar with issues pertaining to development.
2. The student will have exposure to developmental strategies.

Course Contents

Chapter 1	FRAMEWORK OF INDIAN ECONOMY	15 lectures
	1.1 National Income: Trends and Sectoral Composition of National Income 1.2 Demographic Features – An Indicators of Economic Growth 1.3 Rural-Urban Migration and Issues related to Urbanization 1.4 Poverty debate and Inequality: Nature, Policy and Implications 1.5 Unemployment-Nature, Central and State Government's policies, policy implications, Employment trends in Organized and Unorganized Sector.	
Chapter 2	DEVELOPMENT STRATEGIES	15 lectures
	2.1 Agricultural- Pricing, Marketing and Financing of Agricultural Sector 2.2 Economic Reforms- Rationale of Economic Reforms, Liberalization, Privatization and Globalization of the Economy 2.3 Changing structure of India's Foreign Trade 2.4 Role of Public Sector- Government Policy towards Public Sector, Problems associated with Privatization,	

	issues regarding Deregulation-Disinvestment.	
Chapter 3	INFRASTRUCTURE DEVELOPMENT	10 lectures
	3.1 Energy and Transport 3.2 Social Infrastructure: Education, Health, Concept of Social Inclusion 3.3 Issues and policies in Financing Infrastructure Development	
Chapter 4	INDUSTRIAL SECTOR	10 lectures
	4.1 Industrial Sector in Pre-reforms period, Growth and Pattern of Industrialization, Industrial Sector in Post-reform period 4.2 Growth and pattern of Micro, Small, Medium Enterprises, Large Scale Industries 4.3 Labour Market- issues in Labour Market Reforms and approaches to Employment Generation.	
Chapter 5	FINANCIAL SECTOR	10 lectures
	5.1 Indian Financial System- Structure of Indian Financial System 5.2 Issues of Financial Inclusion 5.3 Financial Sector Reforms 5.4 Review of Monetary Policy of R.B.I.	
	Total	60 lectures

Recommended Books:

1. Bhagwati, Jagdish, '*In Defense of Globalization*,' Oxford University Press, U.K.
2. Brahmananda, P.R. and V.A. Panchmukhi., '*Development Experience in Indian Economy, Inter-state Perspective*, Bookwell, New Delhi
3. Datt, Ruddar and Sundaram, K.P.M. [Latest edition], '*Indian Economy*,' S. Chand and Co, New Delhi.
4. Dhingra, Ishwar C., '*Indian Economy*,' S. Chand and Sons, New Delhi.
5. Gupta, S.P. , '*Planning and Development in India: A Critique*,' Allied Publishers Private Limited, New Delhi

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PG Part 1
(2023 Course under NEP 2020)

Course Code: 23ArEcoP131 Course Name: Research Methodology

Section 1

Teaching Scheme: 2 Hours/Week

Credit: 02

Examination Scheme: CIA :25 Marks

End-Sem: 25 Marks

Prerequisite Courses:

1. B.A., B.Sc. B. Com, B.Voc., BBA, BBA IB, BBA CA

Course Objectives:

1. To make students aware about research and its importance
2. To obtain knowledge regarding systematic gathering of data and get advanced knowledge in the selected topic
3. To inculcate logical and organized thinking in students
4. To investigate some existing situation or problem by creating new system or method
5. To help students to design research problem

Course Outcomes:

On completion of the course, student will be able to–

1. Describe importance of research
2. Differentiate between unethical and ethical practices of publication ethics
3. Select research problem appropriately
4. Prepare good hypothesis
5. Design research problem systematically
6. Analyze and organize data correctly
7. Prepare good scientific research report

Course Contents

Unit 1	Research problem and design	No. of lectures
	Introduction to research: meaning and definition of research, objective of research, importance of research, characteristics of good research, purpose and role of research, classification of research. Research problem: defining of research problem, Criteria for selecting the research problem, importance of literature survey in defining research problem.	15

	<p>Hypothesis: Defining Hypothesis, types of hypotheses, characteristics of good hypothesis, formulation of hypothesis</p> <p>Research Design: Definition and features of research design, Concept of research design, types of research design, preparation of research design, Sampling techniques, characteristics of good sampling designs</p>	
Unit 2	Data analysis, report writing and publication ethics	15
	<p>Definition of Data, methods of data collection, analysis of data, types of data analysis, Questionnaire, Design of Questionnaire, Testing hypothesis: parametric and non-parametric tests: T-test, Z-test, Chi-square test, ANOVA</p> <p>Report writing: importance of interpretation of results, meaning, definition and significance of report /thesis writing, Principles of research report drafting, Types of reports, layout of research report, important parts of reports, precautions of preparation of report/ thesis</p> <p>Publication ethics: definition, introduction and importance, best practices/ standard settings initiative and guidelines COPE, WAME, etc., conflict of interest, Publication misconduct: definition, concept problems that lead to unethical behavior, violation of publication ethics, predatory publishers and journals, software tools to identify predatory publications developed by SPPU</p>	

Recommended Books:

1. C. R. Kothari (2004) Research Methodology: Methods and Techniques 2nd Edition, New age International (p) Ltd Publications, New Delhi, India
2. J.W. Creswell and J.D. Creswell (2017) Research Design: Qualitative, Quantitative, and Mixed Methods Approaches, 5th Edition, SAGE Publications, USA.
3. C. G. Thomas (2021) *Research Methodology and Scientific Writing*, 2nd Edition, Springer Nature, New York.
4. M. Kheider lectures from University of Biskra (2017) <https://univ-biskra.dz/sites/fll/images/houadjli%20Ahmed%20Chaouki.pdf>

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Section - 2

Course Code: 23ArEcoP131

**Course Name: Research Methodology
(Department Specific Paper -II)**

Teaching Scheme: TH: 2 Hours/Week

Credit: 02

Examination Scheme: CIA: 25 Marks

End-Sem: 25 Marks

Course Objectives:

1. The important objective of this paper is to develop skill among students through research.
2. The course will create awareness about the research methodology for deeper understanding of social science.

Course Outcomes:

1. The student will get exposure to social science research.

Course Contents

Chapter 1	INTRODUCTION TO RESEARCH	10 lectures
	1.1 Meaning, objectives, types and significance of Research. 1.2 Research Methods versus Methodology. 1.3 Steps in Research Process. 1.4 Criteria of a Good Research 1.5 Defining the Research Problem. 1.6 Techniques involved in defining Research Problem. 1.7 Stages involved in designing research.	
Chapter 2	RESEARCH TECHNIQUES	10 lectures
	2.1 Data Collection-Sources of Data. 2.2 Collection of Primary Data. 2.3 Collection of Secondary Data. 2.4 Case Study Method. 2.5 Hypothesis- Definition, Formulation and Methods of testing Hypothesis. 2.6 Sampling Technique- Meaning and definition of Sampling, Types of Samples and Size of Samples.	

Chapter 3	ANALYSIS OF DATA	10 lectures
	3.1 Classification and Tabulation. 3.2 Graphs and Diagrams. 3.3 Measures of Central Tendencies- Mean, Median, Mode. 3.4 Dispersion and Correlation. 3.5 Percentage. 3.6 Chi Square Test. 3.7 Introduction to SPSS	
	Total	30 lectures

Recommended Books:

1. C.R. Kothari and Gaurav Garg (2018), Research Methodology Methods and Techniques, 4th edition, New Age International Publishers.
2. C. Murthy (2012), Research Methodology, Vrinda Publication Pvt. Ltd., 5th edition.
3. Arunima Kumari, Introduction to Research Methodology, Agrotech Publishers, 1st edition.
4. Bajpai, S.R., Methods of Social Survey & Research, Kitabghar Prakashan, 10th edition
5. Loseke, Donileen, Methodological Thinking: Basic principles, Sage Publication.
6. Goode, W.J./Hatt, P. Methods of Social Research, Mc Graw Hill International.
7. Flick, Uwe, Introducing Research Methodology, Sage Publication, 2nd edition.
8. Hease, Bibar, S.N., Gunatmak Sanshodhanachi Karyaapaddhat, Sage Publication, 3rd edition.
9. Gupta Anil Kumar (2011), Research Methodology- Methods and Techniques, Vayu Education of India, New Delhi.
10. Bhattacharya Dipak Kumar (2013), Research Methodology, Excel Books, New Delhi.
11. Bhandarkar P.L., Wilkinson T.S., (2013), Methodology and Techniques of Social Research, Himalaya Publishing House.

PG ECONOMICS
PART -I, SEMESTER – II
SYLLABUS NEP 2020

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Major Mandatory

Course Code: 23ArEcoP211 Course Name: Micro Economic Analysis -II

Teaching Scheme: TH: 4 Hours/Week

Credit: 04

Examination Scheme: CIA: 50 Marks

End-Sem: 50 Marks

Course Objectives:

1. It aims to increase understanding of students to the various market structures.
2. To study price determination, welfare economics and economics of uncertainty.

Course Outcomes:

1. The student will be able to understand market structures.
2. The student will have better and rational approach towards economic decision making.

Course Contents

Chapter 1	CLASSIFICATION OF MARKETS	10 lectures
	1.1 Classification of Market 1.2 Perfect Competition – Features: Short Run and Long Run Equilibrium 1.3 Short run and Long run equilibrium of a Firm and Industry under competitive conditions.	
Chapter 2	MONOPOLY	15 lectures
	2.1 Equilibrium of a Firm under Monopoly 2.2 Price Discrimination under Monopoly, Degrees of price discrimination. 2.3 Regulation of Monopoly Power 2.4 Comparison of Monopoly and Perfectly Competitive Market outcomes.	
Chapter 3	IMPERFECT COMPETITION	15 lectures
	3.1 Monopolistic Competition: Price and Non-price competition, Short run and Long run Equilibrium 3.2 Product Differentiation, Selling Costs and Excess Capacity 3.3 Oligopoly:	

	a. Non-collusive oligopoly- Cournot's, Bertrand, Chamberlin, Kinked Demand Model b. Collusive Oligopoly-Cartels, Price Leadership 3.4 Game Theory: Basic Concepts, Dominant Strategy Equilibrium 3.5 Nash Equilibrium, Repeated and Sequential Games	
Chapter 4	ALTERNATIVE THEORIES OF THE FIRM	10 lectures
	4.1 Baumol's Sales Revenue Maximization Model 4.2 Marris's Model of the Managerial Enterprise 4.3 O. Williamson's Model of Managerial Discretion.	
Chapter 5	THEORY OF DISTRIBUTION AND WELFARE ECONOMICS	10 Lectures
	5.1 Marginal Productivity Theory 5.2 Product Exhaustion Theorem (Euler's Theorem) 5.3 Pigou's Welfare Theorem 5.4 Pareto Optimality 5.5 Social Welfare Function, Compensation Criteria 5.6 Arrow's Impossibility Theorem	
	Total	60 lectures

Recommended Books:

1. Baumol William J. and Blinder Alan H., Microeconomics-Principle and Policy, 9th edition
2. Gravelle H. and Rees R. (2007), Microeconomics Pearson Publication New Delhi
3. Hirschleifer J and A. Glazer (1997), Price Theory and Applications, Prentice Hall of India, New Delhi.
4. James Gerber (2012), Microeconomics, Pearson Publication New Delhi
5. Kreps, David, M (1990), A Course in Microeconomic Theory, Princeton University Press.
6. Misra S.K. and V.K. Puri (2001), Advanced Microeconomic Theory, Himalay Publishing House, New Delhi.
7. Robert Pindyck, (2009) Microeconomics, Pearson Publication New Delhi
8. Sen, A.(1999), Micro Economics: Theory and Applications, Oxford University Press, New Delhi.
9. Salvatore Dominick, Principles of Microeconomics, Oxford University Press 5th edition
10. Stigler, G (1996): Theory of Price, Prentice Hall of India, New Delhi.
11. Thomson Waldman Jenhen, Industrial Organization, 3rd edition Pearson Publication, New Delhi
12. Varian, Hal (1996): Intermediate Microeconomics, W.W. Norton and Company, New York.

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(2023 Course under NEP 2020)
Major Mandatory

Course Code: 23ArEcoP212

Course Name: Public Economics - II

Teaching Scheme: TH: 4 Hours/Week

Credit: 04

Examination Scheme: CIA: 50 Marks

End-Sem: 50 Marks

Course Objectives:

1. To acquaint students with the concept of budget and taxation structure of Indian economy.
2. To study the fiscal policy in India and its implications.

Course Outcomes:

1. Studying this course would enhance students understand the tax structure, tax policy and budget of Indian Economy.
2. It will help student in understanding fiscal policy and fiscal federalism in India.

Course Contents

Chapter 1	PUBLIC DEBT	15 lectures
	1.1 Classical view of Public Debt; 1.2 Compensatory aspect of Debt Policy 1.3 Sources of Public Debt, Debt through created Money 1.4 Public Borrowings and Price Level 1.5 Crowding Out and Crowding In of Private Investment and Activity 1.6 Principles of Debt Management and Repayment, Burden of Public Debt on Indian Economy.	
Chapter 2	FISCAL POLICY	15 lectures
	2.1 Objectives and significance of Fiscal Policy 2.2 Fiscal Policy for Stabilization - Automatic vs. Discretionary Stabilization 2.3 Budget: Meaning and Components, Preparation, Presentation and Execution of Budget 2.4 Economic Classification of Budget 2.5 Budget Deficits and Their Implications 2.6 Trends in Expenditure of Centre, State and Local Bodies since 1991 2.7 Balanced Budget Multiplier 2.8 Gender Budget	

Unit 3	INDIAN FISCAL FEDERALISM	15 lectures
	3.1 Fiscal Federalism in India 3.2 Vertical and Horizontal Imbalance 3.3 Assignment of Function and Sources of Revenue 3.4 Constitutional provisions, Finance Commission 3.5 Recommendations of 14th Finance Commission 3.6 Devolution of Resources and Grants 3.7 Theory of Grants- Resource transfer from Centre to States, Criteria for Transfer of Resources 3.8 Centre-State Financial Relations in India 3.9 Problems of States' Resources and Indebtedness 3.10 Transfer of resources from Centre and States to Local Bodies.	
Chapter 4	INDIAN PUBLIC FINANCES	15 lectures
	4.1 Indian Tax System 4.2 Revenue of the Centre, States and Local Bodies 4.3 Major Taxes in India - Direct and Indirect Taxes, Taxation of Agriculture, Expenditure Tax 4.4 Reforms in Direct and Indirect Taxes, Taxes on Services 4.5 GST- Background, Concept, Problems and Prospects 4.6 Non-tax Revenue of Centre, State and Local Bodies 4.7 Analysis of Central and State Government Budgets 4.8 Fiscal Sector Reforms in India 4.9 Budget Management and Recommendations of Kelkar Committee.	
	Total	60 lectures

Recommended Books:

1. Datt Rudar and Sundharam K.P.M. (2018), Indian Economy, S.C.Chand and Company Ltd, New Delhi
2. Jha Rajesh K. (2012) Public Finance. Pearson Publication New Delhi
3. Joshi P.L. Zero Base Budgeting Technology in Government, Dhruv and Deep Books, Bombay.
4. Mithani D.M. Principles of Public Finance and Fiscal Policy Himalaya Publishing House, New Delhi
5. Raravikar Ashutosh, Fiscal Deficit and Inflation in India, Macmillan India Ltd. New Delhi
6. Shome, P. (Ed.) (1995), Tax Policy: Handbook, Tax Division, Fiscal Affairs Department, International Monetary Fund, Washington D.C.
7. Tyagi B.P., Public Finance, Jai Prakash Nath Pub.Meerat (UP)

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Major Mandatory

Course Code: 23ArEcoP213

Course Name: International Finance

Teaching Scheme: TH: 4 Hours/Week

Credit: 04

Examination Scheme: CIA: 50 Marks

End-Sem: 50 Marks

Course Objectives:

1. To study the concept of balance of payments and foreign trade multiplier.
2. To study determination of exchange rate and exchange rate mechanism in practice.
3. To study international banking and international economic organization.

Course Outcomes:

1. It will help student in understanding exchange rate mechanism.
2. It will help students in understanding the role of international economic organization.
3. It will help student in knowing the role of international capital flow.

Course Contents

Chapter 1	BALANCE OF PAYMENT	15 Lectures
	1.1 Balance of Trade and Balance of Payments- Meaning, Structure and Components 1.2 Balance of Payments Disequilibrium- Causes of Disequilibrium 1.3 Methods to Correct Disequilibrium-Automatic Correction, Deliberate Correction 1.4 Foreign Trade Multiplier- Meaning and Working, Implications of Foreign trade Multiplier, Limitations of Foreign Trade Multiplier 1.5 Policies for Internal and External Balance-Fiscal and Monetary Policy Under Fixed and Floating Exchange Rates 1.6 Devaluation of Indian Rupee- Devaluation of 1966 and 1991.	
Chapter 2	FOREIGN EXCHANGE MARKET	15 lectures
	2.1 Participants in Foreign exchange Markets	

	<p>2.2 Functions of Foreign Exchange Market- Transfer of Purchasing Power, Provision of Credit, Provision of Hedging Facilities.</p> <p>2.3 Transactions in the Foreign Exchange Market- Spot and Forward and Exchanges, Futures, Swap Operation, Arbitrage</p> <p>2.4 Determination of Rate of Exchange- Purchasing Power Parity Theory, Balance of Payments Theory, Monetary Models.</p> <p>2.5 Exchange Control-Scope of Exchange Control, Objectives and Methods of Exchange Control.</p> <p>2.6 Exchange Rate Systems- Fixed and Flexible Exchange Rates-Case for and against Fixed and Flexible Exchange Rates</p> <p>2.7 Current and Capital Account Convertibility – Meaning, Benefits, Pre requisites and Problems</p> <p>2.8 Currency Exchange Risk and their Management</p> <p>2.9 Foreign Exchange Management Act- Objectives and Features</p>	
Chapter 3	INTERNATIONAL CAPITAL FLOWS	10 lectures
	<p>3.1 Classification of International Capital Flows-Direct and Portfolio Investment, Government, Institutional and Private Capital, Short term and Long term Capital, Home and Foreign Capital, Foreign Aid</p> <p>3.2 Importance and Role of Foreign Capital-Trade and Investment, Theories of International Investment.</p> <p>3.3 Factors Affecting International Capital Movements</p> <p>3.4 Growth and Dispersion of FDI in India.</p>	
Chapter 4	INTERNATIONAL BANKING AND EUROCURRENCY MARKET	10 lectures
	<p>4.1 International Banking-Factors Leading to Growth of International Banks, Types of International Banking Offices, Offshore Financial Centres, Non-Banking Financial Companies</p> <p>4.2 Eurocurrency Market- Meaning and Scope, Feature, Origin and Growth, The Participants, Supply and Demand</p>	
Chapter 5	INTERNATIONAL ECONOMIC ORGANIZATIONS	10 lectures
	<p>5.1 International Monetary Fund</p> <p>5.2 World Bank</p> <p>5.3 International Development Association</p> <p>5.4 International Finance Corporation</p> <p>5.5 Asian Development Bank</p> <p>5.6 BRICS</p>	
	Total	60 lectures

Recommended Books:

1. Economic Survey, Government of India (annual).
2. Ellsworth P.T. and Clark J.Leith, The International Economy New York Macmillan Publishing Co.
3. Gowda, Venkatagiri K., Eurodollar Flows and International Monetary Stability, Geetha Book House, Mysore.
4. GuptaK.R., International Economics; Atma Ram and Sons, Delhi
5. Heller, Robert H., NJ: International Monetary Economics Prentice Hall, Englewood Cliffs
6. Heller, Robert, H., International Monetary Economics Prentice Hall, Cliffs.
7. Jalan Bimal, India's Economic Crisis, Oxford University Press, Oxford
8. Jhingan M.L. , International Economics Vrinda Publications, Delhi
9. Kindleberger, Charls P., D.B.International Economics, Taraporewala and Sons, Mumbai
10. RBI, Report on Currency and Finance (annual).
11. Rugel, Thomas A. International Economics, McGraw Hill, New Delhi.
12. Salvatore, Dominick, International Economics Macmillan, New York Publishing Co. New York
13. Verghese, S.K., Foreign Exchange and Financing of Foreign Trade, Vikas Publishing House, New Delhi.

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Major Mandatory

Course Code: 23ArEcoP214 Course Name: History of Economic Thought - II

Teaching Scheme: TH: 2 Hours/Week

Credit: 02

Examination Scheme: CIA: 25 Marks

End-Sem: 25 Marks

Course Objectives:

1. To study the evolution of economic thought.
2. To study the philosophies and theories of different thinkers in the subject of economics.

Course Outcomes:

1. It will help the students to understand the evolution and origin of Economic Theories

Course Contents

Chapter 1	KEYNESIAN ECONOMICS	10 lectures
	3.1 Criticism of Classical Theory 3.2 Concept of Effective Demand, Marginal Propensity to consume, Marginal Efficiency of Capital. 3.3 Liquidity Preference, Liquidity Trap 3.4 Role of Fiscal Policy. 3.5 Views on Trade Cycle and International Economics.	
Chapter 2	WELFARE ECONOMICS	10 lectures
	2.1 A.C. Pigou: Old Welfare Economics 2.2 Amartya Sen: Poverty, Women Empowerment, Education.	
Chapter 3	INDIAN ECONOMIC SCHOOL OF THOUGHT	10 lectures
	3.1 Dadabhai Naoroji: Drain Theory and the Problem of Indian Poverty.	

	3.2 Mahatma Gandhi: Village Swaraj, Swadeshi, Role of Cotton Industries, Trusteeship. 3.3 Dr. Babasaheb Ambedkar's Economic Thought.	
	Total	30 lectures

Recommended Books:

1. Reddy Y.V., (2009), History of Economic Thought: Ancient Times to Modern Times New Century Publication, New Delhi.
2. Hajela T. N., (2008), History of Economic Thought, Ane Books India, New Delhi,
3. Hunt E.K. and Lautzenheiser Mark, (2011), History of Economic Thought: A Critical Perspective, PHI Learning, New Delhi,
4. Juneja L.K., (2018), History of Economic Thought, Anjali Publication and Distribution, New Delhi.
5. Dutt Romesh, (1990), Low Price Publication, New Delhi 1990, The Economic History of India.
6. Robbins Lionnel, (2000), A History of Economic Thought, The LSE Lectures, Princeton University Press.
8. Girija M., Manimekalai., Sasikala L., (2003), Vrinda Publications, History of Economic Thought.

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PG Part 1 Year of M.A. (Economics)
(2023 Course under NEP 2020)
Major Electives - I

Course Code: 23ArEcoP221

Course Name: Agriculture Economics

Teaching Scheme: TH: 4 Hours/Week

Credit: 04

Examination Scheme: CIA: 50 Marks

End-Sem: 50 Marks

Course Objectives:

1. The basic objective of this paper is to grasp the basic feature and aspects of agricultural economics.
2. To study the current issues of agricultural economics.
3. To study the institutions involved in agriculture credit and agriculture marketing.

Course Outcomes:

1. The students will understand concepts of agriculture economics.
2. The students will be aware of the latest changes, developments and issues concerned with agricultural sector.
3. The students will understand how to sustain agriculture in future.

Course Contents

Chapter 1	INTRODUCTION	10 lectures
	1.1 Meaning, Scope and importance of Agriculture Economics 1.2 Place of Agriculture in Indian economy 1.3 Agricultural Productivity-Causes of low Agricultural Productivity and Remedies. 1.4 Growth and patterns of Agricultural Development under Five Year Plans 1.5 Problems in Indian Agriculture Sector	
Chapter 2	AGRICULTURAL LABOUR	10 lectures
	2.1 Types on Agriculture labour- present status 2.2 Problems of Agriculture Labour 2.3 Efficiency of Agriculture Labour 2.4 Impact of Mechanization on Agriculture Labour.	
Chapter 3	AGRICULTURAL CREDIT	10 lectures
	3.1 Need and Sources of Agricultural credit 3.2 Sources of Non-Institutional Credit 3.3 Sources of Institutional Credit 3.4 Role of NABARD 3.5 Micro Finance --Meaning, Role and Trends.	

Chapter 4	AGRICULTURAL MARKETING	10 lectures
	4.1 Patterns of Agriculture marketing in India 4.2 Problems of Agricultural Marketing in India 4.3 Agricultural Marketing and Price System in India 4.4 Problems of Agriculture in Export and Imports 4.5 Agreements on Agriculture (AOA)	
Chapter 5	SUSTAINABLE AGRICULTURE	12 lectures
	5.1 Concept and significance of Sustainable Agriculture 5.2 Role of Technology in Agriculture: Meaning and Trends 5.3 Organic Farming: Present status and Prospects. 5.4 Contract Farming: Present Status and Prospects 5.5 Agricultural Management: Concept, Recent trends and Problems	
Chapter 6	AGRICULTURE AND RURAL ENTREPRENEURSHIP	8 lectures
	6.1 Entrepreneurship in Agricultural Economics 6.2 Rural Entrepreneurship- meaning and concept	
	Total	60 lectures

Recommended Books:

1. Ajit Singh and Tabatabai, (1999), Economic crisis and Third world Agriculture, Combries University Press. Gulati & Kelley – Trade Liberalization of Indian Agriculture, Oserpert University press.
2. B.N.P singh : Indian Economy Today Changing Contours. Deep and Deep pub.
3. C.S. Prasad – Sixty years of Indian Agriculture – New Delhi.
4. Datt R. & K.P.M Sundharam (2007) Indian Economy, S.Chand&Co.Ltd.Delhi.
5. Dewett Kewal,(2005), Indian Economy C.Chand&Co.Ltd, New Delhi .
6. Gopal Ji&SumanBhakari ‘Indian Economy (2012) Performance and Policies Pearson Publication Delhi Agrawal A.N. Indian Economy Problem of Development and Planning 06.
7. Hansra Parumal and Chandrakarn – Modernization of Indian Agriculture in 21stcentury challenges, opportunity and strategies, Concept Publication Co. New Delhi.
8. Johnson P.A, (2003), Development Issues of Indian Economy Manan Prakashan.
9. Kapila Uma, (2003), Indian Economy Since Independence, Academic Foundation
10. Singh M.P., (2004), Indian Economy Today- Problems Planning and Development. Deep and Deep Publication.
11. MamoriaC.B., Agricultural Problems of India KitabMahal Pub..
12. Misra S.K. & V.K.Puri (2007) Indian Economy – Himalaya Publication house Mumbai.
13. Norten and Allwinding – The Introduction to Economic and Agricultural Development Mac Graw Hill Co. Publication, New Delhi.
14. Wakatash – Development Agricultural Technology, Rawat Publication

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(2023 Course under NEP 2020)
Major Electives - II

Course Code: 23ArEcoP222

Course Name: Co-operation: Theory and Practice

Teaching Scheme: TH: 4 Hours/Week

Credit: 04

Examination Scheme: CIA: 50 Marks

End-Sem: 50 Marks

Course Objectives:

1. To Study self-help and mutual help.
2. To learn cultural and social aspects, co-operative legislation and training, co-operative audit and training and co-operative movement.

Course Outcomes:

1. It will create awareness among students about Cooperation and Cooperative movement.

Course Contents

Chapter 1	INTRODUCTION	10 lectures
	1.1 Different definitions of Co-operation. 1.2 Nature and Characteristics of Co-operation. 1.3 Importance and Benefits of Co-operation. 1.4 Principles of Co-operation.	
Chapter 2	CO-OPERATIVE LEGISLATION AND TRAINING	10 lectures
	2.1 Co-operative Act of 1904 and 1912 2.2 Maharashtra Co-operative Act of 1960 2.3 Recent Changes in Co-operative Legislations 2.4 Co-operative Training – Need, Objectives and Problems	
Chapter 3	CO-OPERATIVE AUDIT AND TRAINING	10 lectures
	3.1 Definition and Objectives of Co-operative Audit 3.2 Types of Co-operative Audit. 3.3 Functions of Co-operative Auditor. 3.4 Co-operative Audit System. 3.5 Co-operative Supervision.	
Chapter 4	CO-OPERATIVE MOVEMENT	20 lectures
	4.1 History and Growth of Co-operative Movement in India.	

	4.2 Co-operative Sugar industry in Maharashtra- Growth, Problems and Solutions. 4.3 Rural Co-operative Credit Structure, Primary Agricultural Credit Co- Operative Societies, District Central Co-operative Banks, State Co-operative Bank - Working, Structure, Problems and Solutions. 4.4 Role of NABARD and Regional Rural Banks in Rural Credit. 4.5 Vaidyanathan Committee Report – Recommendations. 4.6 Urban Co-operative Banks in Maharashtra - Present Position, Progress, Problems and Solutions.	
Chapter 5	CO-OPERATIVE MOVEMENT IN SELECTED COUNTRIES	10 lectures
	5.1 History and Growth of Co-operative Movement in Germany, Japan, Great Britain, Sweden 5.2 International Co-operative Alliance	
	Total	60 lectures

Recommended Books:

1. Krishna Swamy D.R, (1985), Fundamental of Co-operation, S.Chand & Co., New Delhi.
2. Mathur B.S.,(1971) Co-operation in India, Sahitya Bhawan.
3. Bannerji B.J., Co-operative Movement in India Navjivan Printing Works, Kolkata.
4. Hajela, T.N.,(2010.), Principles , Problems and Practice of Co-operation in India, 7 th Edition, Ane Books Pvt.Ltd,
5. Jalal R.S., Rural Co-operatives in India, Anmol Publications Pvt Ltd., New Delhi.
6. Shakuntala Devi- Rural Credit and Agricultural Development, Sarup & Sons, New Delhi.
7. Memoria C.B; Saxsena R.D. Cooperation in India, Kitab Mahal, Alhabad, Delhi.
8. Haguh E.M.,(1966), Cooperative Movement in India. Oxford University Press, Bombay.
9. Bedi R.D.,(1981), Theory, History and Practice of Cooperation International Publishing House, Merut. 11 th Edition,
10. Kulkarni K.R.(1960), Theory and Practice of Cooperation in India and Abroad. Cooperative book depot, Bombay- 2 nd Edition.
11. Misra Baidhynath,(1997) Cooperative Movement in India A.P.H. publishing Cooperation, New Delhi.
12. Tripathi S.N., (2010), Cooperatives growth and New Dimensions, Discovery Publishing House, New Delhi.