



R. E. Society's

**R.P. Gogate College of Arts & Science
and
R.V. Jogalekar College of Commerce
(Autonomous), Ratnagiri**

Syllabus for Bachelor of Arts (Economics)

Program: TYBA

Course: Economics

Semester: V & VI

As Per Choice Based Credit System (CBCS)

**To be implemented from Academic Year-
2024-2025**

Head

Dept Of Economics

**Gogate- Jogalekar College
Ratnagiri**

**R. P. Gogate College of Arts & Science and
R. V. Jogalekar College of Commerce (Autonomous), Ratnagiri
Board of Studies in Economics
Academic Year 2024-25
TYBA Courses Structure**

S.N.	Type of the Course	No. of Cr.	Course Code	Nomenclature	S.N.	Type of the Course	No. of Cr.	Course Code	Nomenclature
Semester V					Semester VI				
1	Core	4	UAEO 501	Advanced Microeconomics –III	1	Core	4	UAECO 601	Advanced Macroeconomics–III
2	Core	4	UAECO 502	Economics of Growth and Development	2	Core	4	UAECO 602	International Economics
3	Elective	3	UAECO 503	Indian Financial System-I	3	Elective	3	UAECO 603	Indian Financial System-II
			UAECO 504	Economics of Agriculture And Co -Operation – I				UAEO 604	Economics of Agriculture And Co -Operation – II
4	Elective	4	UAEO 505	Research Methodology –I	4	Elective	4	UAEO 605	Research Methodology – I
			UAECO 506	Quantitative Economics-I				UAEO 606	Quantitative Economics-I
5	Elective	4	UAEO 507	Environmental Economics–I	4	Elective	4	UAECO 607	Environmental Economics–I
			UAEO 508	Economics of Insurance- I				UAECO 608	Economics of Insurance- I
6	Elective	3	UAECO 509	Economy of Maharashtra– I	3	Elective	3	UAECO 609	Economy of Maharashtra – I
			UAECO 510	History of Economic Thoughts– I				UAECO 610	History of Economic Thoughts– I

Syllabus for Bachelor of Arts in Economics for the year 2024-25
Semester-V

Nomenclature of the Course	Advanced Microeconomics	
Class	TYBA	
Semester	V	
Course Code	UAECO501	
No. of Credits	04	
Nature	Theory	
Type	Core	
Course Outcomes:		
At the end of the Course, the Learner will be able to :		
CO1- know the concept of General Equilibrium and optimality.		
CO2 - Enables students will get knowledge on new market structure, imperfect competition.		
CO3 - understanding on the Oligopoly Market.		
CO4 - Provides understanding on the welfare economics and economics of information.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	General Equilibrium and Welfare Economics	1.1 Concept of General Equilibrium and Walrasian General Equilibrium Model 1.2 Pareto Optimality – The Pareto Optimality Condition of Social Welfare 1.3 Marginal Conditions for Pareto Optimal Resource Allocation 1.4 Perfect Competition and Pareto Optimality 1.5 Arrow’s Impossibility Theorem
II	Market Structure: Monopoly and Monopolistic Competition	2.1 Concept of Monopoly - Measurement of Monopoly Power 2.2 Regulation of Monopoly Market 2.3 Price Discrimination: Types and Classification of Price Discrimination (Degrees of Price Discrimination) 2.4 Equilibrium under discriminating Monopoly 2.5 Monopolistic Competition - Chamberlin’s Alternative approach- Equilibrium under Monopolistic Competition - Excess Capacity
III	Oligopoly	3.1 Meaning and Characteristics of Oligopoly Market 3.2 The Cournot Model of Oligopoly 3.3 Rigid Prices - The Sweezy Model of Kinked Demand Curve 3.4 Collusive Oligopoly - Cartel: Centralised and Market Sharing Cartel 3.5 Imperfect Collusion- Price Leadership Models 3.6 Game Theory - Prisoner’s Dilemma, Nash Equilibrium and

		Dominant Strategy Equilibrium
IV	Information Economics	4.1 Economics of Search and Search Cost 4.2 The Theory of Asymmetric Information 4.3 The Market for Lemons and Adverse Selection 4.4 Risk Preference and Expected Utility 4.5 The Problem of Moral Hazard 4.6 Market Signaling 4.7 Principal-Agent Problem

Prescribed Text/s (If any):

Other Learning Resources recommended:

1. A. Koutsoyainnis, (2015), Modern Microeconomics, 2nd edition, Palgrave Macmillan.
2. Paul Samuelson and W. Nordhaus, (2009), Economics, 19th edition: Economics, McGrawHillPublications.
3. Mankiw M.G (2015), Principles of Micro economics 7th edition - Cengage Learning.
4. Anindya Sen, (2006), Microeconomics, OUP India Publisher.
5. M.L.Jhingan, (2006), "Microeconomics Theory", 5th edition, Vrinda Publication (P) Ltd.
6. H.L.Ahuja, (2016), "Advance Economics Theory" S.Chand & Company Ltd.
7. Jhingan MLL. (2012), Advanced Economic Theory, Vrinda Publications, Delhi.
8. Mankiw N. Gregory (2015), Principles of Microeconomics, Cengage Learning.
9. Mansfield, Edwin (1985), Micro-economics: Theory & Applications, 5th edition, W.W. Norton & Company, New York.
10. Patil K. A (Second edition, 2011, Marathi), Advanced Economic Theory-Micro Analysis, Shri Mangesh Prakashan, Nagpur.
11. Salvatore D. (2006), Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
12. Varian Hal R. (8 Edition 2010) Intermediate Microeconomics A Modern Approach, East-West Press, New Delhi

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	General Equilibrium and Welfare Economics	Chalk and Talk, AV resources	15
II	Market Structure: Monopoly and Monopolistic Competition	Chalk and Talk, AV resources	15
III	Oligopoly	Chalk and Talk, AV resources	15
IV	Information Economics	Chalk and Talk, AV resources	15

Nomenclature of the Course	Economics of Growth And Development	
Class	TYBA	
Semester	V	
Course Code	UAECO502	
No. of Credits	4	
Nature	Theory	
Type	Core	
Course Outcomes:		
At the end of the Course, the Learner will be able to CO1- Know the introductory part of Growth and Development CO1- Apply and analyse the theories of economic development. CO2- Identify the structural issues in development process. CO3- Analyse the economic planning, technology and economic development.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Introduction to Growth and Development	1.1 Concepts of Economic Growth and Development 1.2 Distinction between Economic Growth and Development 1.3 Concept of Human Development- H.D.I, G.D.I 1.4 Green GDP- Sen's Capability approach 1.5 Millennium Development Goals (MDGs) 1.6 Initiative by Indian government towards MDGs
II	Theories of Economic Development	2.1 Rostow's stages of growth 2.2 Big Push Theory 2.3 Leibenstein's Critical Minimum Effort Thesis 2.4 Harrod - Domar Growth Model 2.5 Lewis Model of unlimited supply of labour 2.6 Ragner Nurkse's Theory of Disguised Unemployment 2.7 Schumpeter's Theory of Development
III	Structural Issues in Development Process	3.1 Concept of Human Capital 3.2 Role of Education, Health and nutrition in Human Capital 3.3 Meaning and Measurement of Poverty and Inequality 3.4 Measures to eradicate poverty and Inequality 3.5 Meaning of Inclusive growth 3.6 SHG and Microfinance 3.7 Migration and Urbanization 3.7 Formal and Informal Sector- Urban Informal Sector
IV	Planning, Technology and Economic Development	4.1 Concept and Role of infrastructure in Economic Development 4.2 Role of technology in Economic Development 4.3 Labour intensive versus Capital intensive technology 4.4 Schumacher's concepts of intermediate and appropriate technology

		4.5 Green Technology 4.6 Meaning and Types of Economic Planning 4.7 Role of Planning in Economic Development	
Prescribed Text/s (If any):			
Other Learning Resources recommended:			
<ol style="list-style-type: none"> 1. Baldwin, Economic Development: Theory, History and Policy, Willy Publishers, 1957. 2. Mamoria, Joshi, Principles and practice of marketing in India, Kitab Mahal, 1979. 3. Meier, Gerald M. and James E. Rauch. Leading Issues in Economic Development, New Delhi: Oxford Univ. Press, 2006. 4. Thirlwall, A.P. Growth and Development 8e. New York: Palgrave MacMillan, 2005. 5. Todaro, Michael P. and Stephen C. Smith. Economic Development, 8e. Delhi: Pearson Education, 2003. 6. V.K. Puri and S.K. Mishra, Indian Economy, Himalaya Publishing House, 2019 			
Teaching Plan:			
Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Meaning of Economic Growth and Development	Chalk and Talk, AV resources	15
II	Theories of Economic Development	Chalk and Talk, AV resources	15
III	Structural Issues in Development Process	Chalk and Talk, AV resources	15
IV	Planning, Technology and Economic Development	Chalk and Talk, AV resources	15

Nomenclature of the Course	Indian Financial System – I	
Class	TYBA	
Semester	V	
Course Code	UAECO503	
No. of Credits	4	
Nature	Theory	
Type	Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1- know the Financial system and economic development.		
CO2-Empowering students about Indian Financial system, indicators of financial development and overview of financial sector reforms		
CO3-Awareness on performance, progress and issues in Indian Banking and overview of Non-banking institutions in India.		
CO4-The course leads to project work/ case studies based on empirical examples such as: Management of NPAs by banks, performance analysis of commercial banks, financial Instruments- comparative analysis, performance of NBFIs.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Introduction to Indian Financial System	1.1 Evolution- meaning-characteristics - components - significance 1.2 Financial system and economic development 1.3 Indicators of Financial Development: FR, FIR, NIR and IR. 1.7 Reforms and trends/ turns in Indian financial sector: 1991-2019.
II	Performance, Progress and Issues in Indian Banking	2.1 Overview of development of Banking in India 2.2 Commercial banking-Liquidity management 2.3 Commercial banking developments since mid-1980s 2.4 Management of NPAs-Concept of Bad bank 2.5 Mudra bank scheme - Capital adequacy norms- Base I,II III
III	Non- banking Finance Institutions in India	.1 Overview of development of non- banking institutions in India 3.2 Growth - Components, types, role in financial system 3.3 Regulation of NBFIs-Provident funds - Pension funds - Venture capital funds

IV	Financial Instruments: Traditional, Modern and Hybrid	4.1 Traditional instruments: equities- debentures and bonds 4.2 Hybrid instruments- different types of bonds such as floating rate bonds- zero interest bonds- deep discount bonds- inverse float bonds-sovereign gold bonds- municipal bonds- 4.3 convertible debentures- warrants, Crypto currency 4.4 Derivatives - meaning, concept and types of derivatives	
Prescribed Text/s (If any):			
Other Learning Resources recommended:			
<ol style="list-style-type: none"> 1. Bhole, L. M. (2008): Financial Institutions and Markets, Growth and Innovation, Tata McGraw-Hill, New Delhi. 2. Khan, M.Y. (2007): Financial Services, Tata McGraw Hill, New Delhi. 3. Machiraju, Indian Financial system, Vikas publishing house, 2nd edition, 2002. 4. Pathak, Bharati (2008): The Indian Financial System-Markets, Institutions, and Services, (2nd Edition), Pearson Education, New Delhi. 5. 			
Teaching Plan:			
Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Introduction to Indian Financial System	Chalk and Talk, AV resources	15
II	Performance, Progress and Issues in Indian Banking	Chalk and Talk, AV resources	15
III	Non- banking Finance Institutions in India	Chalk and Talk, AV resources	15
IV	Financial Instruments: Traditional, Modern and Hybrid	Chalk and Talk, AV resources	15

Nomenclature of the Course	Economics of Agriculture and Co-Operation-I	
Class	TYBA	
Semester	V	
Course Code	UAECO504	
No. of Credits	3	
Nature	Theory	
Type	Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to CO1- Analyse the agricultural productivity CO2- Examine the agricultural credit. CO3- Get knowledge the agricultural marketing. CO4- Assess the agricultural price and policy in India.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Agricultural Productivity	1.1 Role of agriculture in Economic Development 1.2 Cropping pattern in India, Recent trends, 1.3 Factors affecting - cropping pattern Physical, Technical and Economic 1.4 Agricultural Productivity, Causes of Low Productivity in Agriculture 1.5 Measures taken to improve the Agricultural Productivity in India 1.6 Irrigation and Water Management and agricultural development 1.7 Agricultural labour Problems and suggestions.
II	Agricultural Credit	2.1 Institutional and Non-Institutional Sources of Credit 2.2 Co-operative Credit and Agriculture Rural Indebtedness 2.3 Commercial Banks and Regional Rural Banks 2.4 Microfinance and NABARD - Role and Performance 2.5 Crop loan and Crop Insurance 2.6 Kisan Credit card Yojana
III	Agricultural Marketing	3.1 Types of Marketing - Corporate, Commodity and Global 3.2 Problems and Measures of Agricultural Marketing 3.3 Regulated Market 3.4 WTO and Indian Agriculture 3.5 Problems of Agricultural Marketing and its measures 3.6 National Agricultural Market 3.7 FPO – Farmers Producer Organizations
IV	Agricultural Price and	4.1 Food Security in India 4.2 Price Policy of CACP Evaluation 4.3 Agricultural Crisis and Farmers Suicide

	Policy	4.4 Agro-Tourism and its policy 4.5 Organic Farming 4.6 Mechanization of Agriculture	
Prescribed Text/s (If any):			
Other Learning Resources recommended:			
<ol style="list-style-type: none"> 1. Bilgrami S.A.R. (2000), An Introduction of agricultural Economics, Himalaya Publishing House, Mumbai 2. DattaRuddra and Mahajan Ashwini (2016), Indian Economy, Chand and Company Ltd., New Delhi. 3. Gupta P. K.,(2012), Agricultural Economics, Vrinda Publications (P) Ltd. Delhi. 4. Mamoria C.B. and B.B. Tripalhi (1991), Agricultural Problems in India, Kitab Mahal, Allahabad. 5. Sadhu and Singh (2008), Fundamental of Agricultural Economics, Himalaya Publishing House, Mumbai. 6. Tyagi B.P., (2016), Agricultural Economics and Rural Development, Jaiprakash Nath and Co. Meerut. 			
Teaching Plan:			
Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Agricultural Productivity	Chalk and Talk, AV resources	12
II	Agricultural Credit	Chalk and Talk, AV resources	12
III	Agricultural Marketing	Chalk and Talk, AV resources	12
IV	Agricultural Price and Policy	Chalk and Talk, AV resources	12

Nomenclature of the Course	Research Methodology - I	
Class	TYBA	
Semester	V	
Course Code	UAECO505	
No. of Credits	04	
Nature	Theory	
Type	Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1- Understand and inculcate research in Economics		
CO2- Exchange ideas and application of results of economic research.		
CO3- Help in formulation of problems in social science research.		
CO4- Understand data collection and presentation for quality research in social sciences.		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Introduction to Research	1.1 Meaning and scope of social science research 1.2 Basic assumptions of research 1.3 Features and importance of social science research 1.4 Objectives and types of research; Basic, Applied, Pure, Descriptive, Analytical, and Empirical research 1.5 Limitations of social science research 1.6 Difficulties in social science research
II	Formulation of Problem in Social Science Research	2.1 Research process: Identification, selection and formulation of research problem 2.2 Sources of research problem 2.3 Criteria of a good research problem 2.4 Review of literature-Formulation of hypothesis 2.5 Research design: Definition, Concepts, and types 2.6 Data Collection and analysis- Interpretation and report writing 2.7 Use of web search in research process.
III	Types of Data: Primary and Secondary	3.1 Types of Data: Primary data and its collection methods: Observation method- Interview Technique 3.2 Design of schedule and questionnaire - Survey method and Field visits 3.3 Secondary data : Meaning- advantages- sources- relevance and limitations of secondary data 3.4 Sampling Techniques : Census and sample survey 3.5 Essentials of a good sampling - Advantages and limitations of sampling 3.6 Types of sampling: Random sampling and Non-random sampling-Sampling and Non-Sampling errors.

IV	Representation and Analysis of Data	<p>4.1 Classification, Tabulation and Graphical presentation of socio-economic data</p> <p>4.2 Need and importance of data analysis</p> <p>4.3 Statistical analytical tools: Measures of Central Tendency</p> <p>4.4 Measures of Variation: Absolute and relative measures – Quartile deviation, standard deviation, coefficient of variation-</p> <p>4.5 Skewness: Meaning and measurement (Karl Pearson’s and Bowley’s methods)</p> <p>4.6 Preliminaries of computer applications in data organization and data processing.</p>
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Prescribed Text/s (If any):

Other Learning Resources recommended:

1. Bhandarkar P.L., (1994), Samajik Sanshodhan Padhati, Himalaya Publication, New Delhi.
2. Dawson, Catherine (2002), Practical research methods, UBS Publishers, New Delhi.
3. Ghosh, B.N. (1992), Scientific methods and social research, Sterling Publishers Pvt. Ltd, New Delhi.
4. Gupta S P, (1987), Statistical methods, Sultan Chand and Sons, New Delhi.
5. Kothari R.C. (2008), Research methodology, methods and techniques, New Age International Publishers, New Delhi.
6. Krishnaswamy O.R.(1993), Methodology of research in social sciences, Himalaya publishing House, Mumbai.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Introduction to Research	Chalk and Talk, AV resources	15
II	Formulation of Problem in Social Science Research	Chalk and Talk, AV resources	15
III	Types of Data: Primary and Secondary	Chalk and Talk, AV resources	15
IV	Representation and Analysis of Data	Chalk and Talk, AV resources	15

Nomenclature of the Course	Quantitative Economics – I	
Class	TYBA	
Semester	V	
Course Code	UAECO506	
No. of Credits	4	
Nature	Theory	
Type	Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1- Perform graphical analysis of functions, sketch curves defined by simple equations.		
CO2- Help to interpret the algebraic solution of economic concepts		
CO3- Build an ability to explain the economic applications of differentiation, and use it		
CO4 - Understand economic concepts such as elasticity, marginal cost and input- output determination and linear programming.		
CO5 - Help to develop various quantitative concepts and their application not only in economics but also for other subjects.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Equations, Graphs and Derivatives	1.1 Linear and non-linear relationships in economic analysis 1.2 Derivatives – Higher order derivatives 1.3 Increasing and decreasing functions- Necessary and sufficient conditions for maxima and minima 1.4 Optimization of economic functions 1.5 Economic applications: equations and graphs Market demand and supply models, taxes, elasticity
II	Linear Algebra	2.1 Matrices and basic operations on matrices 2.1 Rank of a matrix– Inverse of a matrix 2.3 Cramer’s rule and its application to the IS-LM model 2.4 Input-Output Analysis and policy implications 2.5 Linear Programming Problem: Formulation and graphical solution.
III	Descriptive Statistics and graphing techniques for presenting data	3.1 Concept of primary and secondary data along with tabulation and graphs 3.2 Measures of central tendency (arithmetic mean, median and mode) 3.3 Absolute and relative measures of dispersion (range, quartile deviation, mean deviation and standard deviation) with simple applications 3.4 Measures of Skewness and kurtosis – Lorenz Curve
		4.1 Sample space and events– Mutually exclusive 4.2 Exhaustive and complementary events

IV	Elementary Probability Theory	4.3 Conditional probability– Binomial probability distribution 4.4 Nature and Properties of the Normal Probability Distribution 4.5 Standard Scores and the Normal Curve 4.6 The Standard Normal Curve: Finding Areas when the Score is Known 4.7 Finding Scores when the Area is Known
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Prescribed Text/s (If any):

Other Learning Resources recommended:

1. Chiang A. C.: Fundamental Methods of Mathematical Economics, 3rd edition, McGraw-Hill, 1984.
2. Dowling Edward T: Introduction to Mathematical Economics, Schaum Outline Series in Economics, Tata McGraw -Hill, New Delhi, 2004.
3. Dowling Edward T: Theory and Problems of Mathematical Methods for Business and Economics, McGraw Hill, 1993.
4. Gupta S.P.: Statistical Methods, S. Chand, New Delhi, 2014.
5. Lerner Joel J and P.Zima: Theory and Problems of Business Mathematics, McGraw Hill, New York, 1986.
6. Sancheti D.C. and V.K. Kapoor: Statistics-Theory, Methods and Applications, S. Chand, New Delhi, 2014.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Equations, Graphs and Derivatives	Chalk and Talk, AV resources	15
II	Linear Algebra	Chalk and Talk, AV resources	15
III	Descriptive Statistics and graphing techniques for presenting data	Chalk and Talk, AV resources	15
IV	Elementary Probability Theory	Chalk and Talk, AV resources	15

Nomenclature of the Course	Environmental Economics – I	
Class	TYBA	
Semester	V	
Course Code	UAECO507	
No. of Credits	4	
Nature	Theory	
Type	Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1- know the contemporary environmental issues and their relation to Economic development.		
CO2- Assesse the methodologies and tools of valuing the environment.		
CO3 - Understand the global approaches and policies adopted by India to deal with the environmental issues		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Introduction to Environmental Economics	1.1 Environmental Economics: Nature, Significance and Scope 1.2 Environment and the economy 1.3 Environmental Kuznets Curve 1.4 Common resources, externalities and property rights 1.5 Coase Theorem 1.6 Rio Declaration and Agenda 21 programme of action for sustainable development
II	The Design and Implementation of Environmental Policy	2.1 Criteria for evaluating environmental policies 2.2 Tools of Environmental Policy: Standards, Pigovian taxes/effluent fees, quotas/tradable permits 2.3 Choice between taxes and quotas 2.4 Environmental Policy: Regulation and Implementation.
III	Measuring Benefits of Environmental Improvements	3.1 Economic value of Environment: Use and Non-use values 3.2 Measurement methods of environmental value: Market based and Non-market based methods 3.3 Contingent Valuation Method 3.4 Travel Cost Method 3.5 Hedonic Price Method
IV	Global Environmental Issues	4.1 Trade and environment 4.2 Overview of trans-boundary environmental problems 4.3 Global Warming - Climate Change 4.4 Energy Crisis 4.5 Challenges of urbanization 4.6 International environmental agreements.

Prescribed Text/s (If any):**Other Learning Resources recommended:**

1. Barry Field and Martha k Field: Environmental Economics, McGraw Hill International Edition, 2017.
2. Bennear, Lori Snyder, and Cary Coglianese (2004), Evaluating Environmental Policies, KSG Faculty Research Working Paper Series RWP04-049,USA
3. Charles Kolstad : Environmental Economics, Oxford University Press, New York, 2000.
4. Hanley Nick, Shogren Jason and White Ben: Introduction to Environmental Economics, Oxford University Press, 2001.
5. Mickwitz, Per. (2003). A Framework for Evaluating Environmental Policy Instruments Context and Key Concepts. Evaluation.
6. Smith Stephen: Environmental Economics: A very Short Introduction, 1st Edition, Oxford University Press, New York, 2011.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Introduction to Environmental Economics	Chalk and Talk, AV resources	15
II	The Design and Implementation of Environmental Policy	Chalk and Talk, AV resources	15
III	Measuring Benefits of Environmental Improvements	Chalk and Talk, AV resources	15
IV	Global Environmental Issues	Chalk and Talk, AV resources	15

Nomenclature of the Course	Economics of Insurance – I	
Class	TYBA	
Semester	V	
Course Code	UAECO508	
No. of Credits	4	
Nature	Theory	
Type	Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1- Identify and define basic terms and concepts of insurance		
CO2 - Describe the importance of insurance for an individual and the economy		
CO3- Understand the concept of risk and its types, and the process of risk management.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Introduction to Insurance	1.1 Definition of Insurance, Characteristics of Insurance 1.2 Principles of Insurance 1.3 Distinction between Assurance and Insurance 1.4 Purpose and need of insurance 1.5 Functions of Insurance 1.6 Classification of Insurance 1.7 Limitations of Insurance.
II	Risk and Risk Management	2.1 Concept of Risk, Risk Vs Uncertainty 2.2 Loss and chances of loss, Perils, Hazards 2.3 Types of Risk, Classification of Pure risk 2.4 Elements of insurable risk 2.5 Losses and methods of handling pure risk 2.6 Asymmetries of information - Adverse selection and Moral hazard in insurance, 2.7 Risk management process - Risk analysis, Risk control 2.8 Risk financing, Risk transfer.
III	Recent Trends in Insurance Sector	3.1 Insurance and economic development 3.2 Insurance institutions as financial intermediaries 3.3 insurance institution as investment institution 3.4 Growth & Performance of Public & Private Insurance Companies in India 3.5 Life and Non-Life sector including foreign collaborations 3.6 Disinvestment of LIC, Listing of Public & Private Insurance companies in Stock market 3.7 Government policies in insurance – Ayushman Bharat Yojna, Pradhan Mantri Suraksha Bima Yojna, Pradhan Mantri JeevanJyoti Bima Yojna.

IV	Reinsurance	4.1 Definition, Objectives of Reinsurance 4.2 Role of Reinsurance 4.3 Techniques of Reinsurance 4.4 Role of Reinsurer 4.5 Role of General Insurance Corporation of India (GIC Re) 4.6 Issues and challenges in Indian Reinsurance.
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Prescribed Text/s (If any):

Other Learning Resources recommended:

1. Dr. PK Gupta (2011), Insurance & Risk Management, Himalaya Publishing House.
2. Dr. MJ Mathew (2005), Insurance Principles & Practice, RBSA Publishers.
3. E. Rejda George, McNamara Michael (2017), Principles of Risk Management & Insurance, Pearson Education.
4. Kishore Kumar Das (2016), Insurance Sector in India: Problems, Possibilities and Prospects, IBP, New Delhi.
5. MeltemTumay (2009), Asymmetric Information & Adverse Selection in Insurance Markets: The problem of Moral Hazard at dergipark.org.tr/tr/download/article-file/146009.
6. PK Gupta (2017), Fundamentals of Insurance, Himalaya Publishing House.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Introduction to Insurance	Chalk and Talk, AV resources	15
II	Risk and Risk Management	Chalk and Talk, AV resources	15
III	Recent Trends in Insurance Sector	Chalk and Talk, AV resources	15
IV	Reinsurance	Chalk and Talk, AV resources	15

Nomenclature of the Course	Economy of Maharashtra-I	
Class	TYBA	
Semester	V	
Course Code	UAECO509	
No. of Credits	03	
Nature	Theory	
Type	Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to CO1. Students get acquainted with all varied sectors of the economy of Maharashtra CO2. Awareness on challenges to be faced and measures to tackle the challenges.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Introduction to Economy of Maharashtra	1.1 Location and administrative divisions- Important features of the economy of Maharashtra 1.2 land, forest, climate and rainfall, fisheries and mineral resources-Formation of Maharashtra state 1.3 Sanyukt Maharashtra Movement 1.4 structural changes in state domestic product since 1991 1.8 Maharashtra's place in India in various economic indicators.
II	Demography of Maharashtra	2.1 2 Size and growth rate 2.2 Density- Birth rate, Death rate and infant mortality rate 2.3 Urban and rural population -Literacy rate - Sex ratio - Migration - Labour force -SC and ST population 2.4 Employment Guarantee Scheme (EGS) 2.5 Unemployment and poverty.
III	Agriculture Development in Maharashtra	3.1 Significance of agriculture in the economy of Maharashtra 3.2 Land utilisation in Maharashtra 3.3 Cropping pattern and per hectare yield -Trends in land productivity 3.4 Land reforms –Intensity of irrigation - Inequalities in land distribution in Maharashtra 3.5 Cooperatives in Maharashtra 3.6 Agricultural finance 3.7 Food security-Concept of PDS- Buffer stock of foodgrains- Allocation 3.8 Issue of farmers suicide Agricultural policy in Maharashtra.
IV	Industrial Sector & Service Sector in Maharashtra	4.1 Major manufacturing industries 4.2 Important ratios of industrial groups in Maharashtra 4.3 Incentives and promotions to various industries in Maharashtra 4.4 Industrial policy of Maharashtra 2019 and 2024

		<p>4.5 The role of MIDC, SICOM, MSFC, SEZ in industrial development</p> <p>4.6 Foreign Direct Investment (FDI) in Maharashtra since 1991</p> <p>4.7 Role of service sector in the economy of Maharashtra - sector in employment - Banking and finance</p> <p>4.5 Role of General Insurance Corporation of India (GIC Re)</p> <p>4.6 Issues and challenges in Indian Reinsurance.</p>
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Prescribed Text/s (If any):

Other Learning Resources recommended:

1. Dr. PK Gupta (2011), Insurance & Risk Management, Himalaya Publishing House.
2. Dr. MJ Mathew (2005), Insurance Principles & Practice, RBSA Publishers.
3. E. Rejda George, McNamara Michael (2017), Principles of Risk Management & Insurance, Pearson Education.
4. Kishore Kumar Das (2016), Insurance Sector in India: Problems, Possibilities and Prospects, IBP, New Delhi.
5. MeltemTumay (2009), Asymmetric Information & Adverse Selection in Insurance Markets: The problem of Moral Hazard at dergipark.org.tr/tr/download/article-file/146009.
6. PK Gupta (2017), Fundamentals of Insurance, Himalaya Publishing House.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Introduction to Economy of Maharashtra	Chalk and Talk, AV resources	12
II	Demography of Maharashtra	Chalk and Talk, AV resources	12
III	Agriculture Development in Maharashtra	Chalk and Talk, AV resources	12
IV	Industrial Sector & Service Sector in Maharashtra	Chalk and Talk, AV resources	12

Nomenclature of the Course	History of Economic Thought - I	
Class	TYBA	
Semester	V	
Course Code	UAECO510	
No. of Credits	03	
Nature	Theory	
Type	Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1- Know the thoughts of Classical Economics.		
CO2 - Analysis the thoughts Neo-Classical Economics.		
CO3 - Examine the Keynesian economic Ideas.		
CO4 - Evaluate the Post-Keynesian Economics ideas.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Classical Economics	1.1 Mercantilism and Physiocracy 1.2 Introduction -Adam Smith: Liberalism -Division of Labour - Theory of Value 1.3 David Ricardo: Rent Theory- Wage Theory - Theory of Value 1.9 Karl Marx: Surplus Value, Materialistic Interpretation of History
II	Neo-Classical Economics	2.1 Alfred Marshall : Thought on Value - Representative Firm - Consumer's Surplus Internal and External Economies Quasi Rent – 2.2 Schumpeter: Economic Development And Innovation 2.3 Pigou: Welfare Economics.
III	Keynesian Ideas	3.1 Employment Theory 3.2 Money -Wage Rigidity Model 3.3 Investment Multiplier 3.4 Trade Cycle 3.5 Inflation View 3.6 Role of Fiscal Policy 3.7 Keynesian Economics and Developing Countries.
IV	Post-Keynesian Economics	4.1 Supply Side Economics 4.2 Hayek's Theory of Trade Cycle 4.3 Life Cycle theory Consumption 4.3 Friedman: Theory of Demand for Money - Long-Run Philips Curve 4.4 Mankiw's New Keynesian Model 4.6 Stagflation
Prescribed Text/s (If any): ---		

Other Learning Resources recommended:

1. Dasgupta A. K, Epochs of Economic Theory Oxford University Press. New Delhi, 1985.
2. Ernesto Screpanti and Stefano Zamagni, An Outline Of The History Of Economic Thought, OxfordUniversity Press Inc., New York, 5005.
3. Ghosh and Ghosh: Concise History of Economic Thought, Himalaya Publishers.
4. Gide, O. and G. Rist, A History of Economics Doctrine. George Harrop Co. London. 1956.
5. Harry Landreth and David C. Colander, History of Economic Thought, Houghton Mifflin Company Boston Toronto, 2001.
6. Roll, E., A History of Economics Thought. Faber Landon, 1973.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Classical Economics	Chalk and Talk, AV resources	12
II	Neo-Classical Economics	Chalk and Talk, AV resources	12
III	Keynesian Ideas	Chalk and Talk, AV resources	12
IV	Post-Keynesian Economics	Chalk and Talk, AV resources	12

Syllabus for Bachelor of Arts in Economics for the year 2024-25
Semester-VI

Nomenclature of the Course	Advanced Macroeconomics -III	
Class	TYBA	
Semester	VI	
Course Code	UAECO601	
No. of Credits	4	
Nature	Theory	
Type	Core	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1 aware about Post Keynesian Synthesis		
CO2- understands various aspects of Trade Cycles.		
CO3- describe the contemporary Exchange Rate Regimes		
CO4 - Know the International Monetary System. .		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Post Keynesian Synthesis	1.1 Derivation of Aggregate Demand Curve with IS-LM 1.2 Aggregate Supply Curve 1.3 Determination of Equilibrium National Income and Price Level under Aggregate Demand and Aggregate Supply Model – 1.4 Extension of IS-LM Model with Labour Market and Flexible Prices – 1.5 Natural Rate of Unemployment- Long run Philips Curve – 1.6 Friedman’s Expectation Model - Tobin’s Modified Philips Curve – 1.7 Adaptive Expectations and Rational Expectations.
II	Trade Cycles	2.1 Meaning- Nature- Features 2.2 Types of Trade Cycles –Phases of Trade Cycles – 2.3Theories of Trade Cycles- Hawtrey’s, Kaldor, Paul Samuelson and Hicks – 2.4 Measures to Control Trade Cycles.
III	Exchange Rate Regimes and Currency Crises	3.1 Managed Exchange Rate- Advantage and Disadvantage 3.2 Policy of Managed Flexibility-Adjustable Peg System, Crawling Peg System, 3.4 Managed Floating System, Clean and Dirty Floating System 3.4 Balance of Payment and Exchange Rate 3.5 Currency Crisis- Causes, Impact and Measures.

IV	International Monetary System	4.1 Rise and Fall of International Gold Standard – 4.2 Bretton Woods System- Breakdown of the Bretton Woods System – 4.3 Monetary System after the Collapse of Bretton Woods System – 4.4 Maastricht Treaty, Features, Effects and Importance of Euro- 4.5 Currency Market - Causes and Consequences of Global Economic Crisis – 4.6 Asia Infrastructure Investment Bank (AIIB) – 4.7 New Development Bank (NDB): 4.8 Asian Development Bank (ADB).
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Prescribed Text/s (If any):

Other Learning Resources recommended:

1. Blanchard, Oliver (2008), Macroeconomics, Pearson education, New Delhi, India.
2. Dornbusch, Fisher and Startz (2018): Macroeconomics, McGraw Hill Education (India) Pvt. Ltd.
3. Mankiw N Gregory (2003), Macroeconomics, 6" edition, Worth Publishers, New York.
4. Patil J. F (2005, Marathi Edition), Macroeconomic Analysis, Phadke Prakashan, Kolhapur.
5. Rana K. C. & Verma K.N (2017), International Economics, Vishal Publishing CO. Jalandhar.
6. Salvatore D. (1997), International Economics, Printice Hall, New York.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Post Keynesian Synthesis	Chalk and Talk, AV resources	15
II	Trade Cycles	Chalk and Talk, AV resources	15
III	Exchange Rate Regimes and Currency Crises	Chalk and Talk, AV resources	15
IV	International Monetary System	Chalk and Talk, AV resources	15

Nomenclature of the Course	International Economics	
Class	TYBA	
Semester	VI	
Course Code	UAECO602	
No. of Credits	04	
Nature	Theory	
Type	Core	
Course Outcomes:		
At the end of the Course, the Learner will be able to CO1- Know the introduction to trade theories. CO2- Analyse the concept of balance of trade and balance of payment. CO3 - Examine the foreign exchange market. CO4-Review the international economic institutions and economic integration.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Introduction to Trade Theories	1.1 Meaning, scope and importance of International Trade- Difference between Internal and International Trade 1.2 Adam Smith's Theory of International Trade 1.3 Ricardian theory of comparative cost difference 1.4 Heckscher- Ohlin Theory 1.5 Leontief's Paradox- 1.8 1.6 Krugman's Model
II	Balance of Trade and Balance of Payment	2.1 Concepts of Terms of Trade(Net barter, Gross barter and Income terms of trade) 2.2 Meaning and difference between Balance of Trade (BOT) 2.3 Balance of Payment (BOP)- 2.4 Purchasing Power Parity theory, 2.5 Law of Reciprocal Demand- 2.6 Marshall-Edgeworth Offer curves, 2.7 Gains from trade- 2.8 Case for and against Free Trade and Protection policy
III	Foreign Exchange Market	3.1 Meaning and Functions of Foreign Exchange Market- 3.2 Exchange rate determination, 3.3 Factors influencing foreign exchange rate 3.4 Managed Flexibility-SWAP Market 3.5 Components of foreign exchange reserves 3.6 Foreign Aid Vs. Foreign Trade 3.7 FDI and MNCs
IV	International Economic Institutions and Economic Integration	4.1 IMF, World Bank - Role and functions-WTO-Objectives, Functions and Agreements with respect to TRIPS, TRIMS, GATS, AoA – 4.2 Forms and objectives of Economic Integration 4.3 Cartels-Trade Blocs,

Prescribed Text/s (If any): --

Other Learning Resources recommended:

1. Appleyard Dennis and Alfred j Field, Jr, International Economics, 2001, 4th Edition, Tata McGraw-Hill Education Private Limited.
2. Cherunilam Francis, International Economics, 2009, 5th Edition, Tata McGraw-Hill Education Private Limited, New Delhi.
3. Krugman R Paul, Maurice Obstfeld, International Economics Theory and Policy, 2009, 8th Edition, Pearson.
4. Melitz M. and Trefler D., Gains from Trade When Firms Matter, Journal of Economic Perspectives, Spring 2012.
5. Salvatore, Dominick, International Economics, 2008, 8th Edition, Wiley India.
6. Sodersten, Bo and Geoffery Reed, International Economics, 2006, 3rd Edition.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Introduction to Trade Theories	Chalk and Talk, AV resources	15
II	Balance of Trade and Balance of Payment	Chalk and Talk, AV resources	15
III	Foreign Exchange Market	Chalk and Talk, AV resources	15
IV	International Economic Institutions and Economic Integration	Chalk and Talk, AV resources	15

Nomenclature of the Course	Indian Financial System - II	
Class	TYBA	
Semester	VI	
Course Code	UAECO603	
No. of Credits	4	
Nature	Theory	
Type	Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1- Focuses on features and functioning of financial markets as well as reforms therein.		
CO2- Empowers students about the evolution and significance of financial services, overview of new products and practices in the provision of financial services.		
CO3. Project work based on empirical case studies involving data analysis.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Money Market and Debt Market	1.1 Money market: meaning and functions- Structure of money market in India (dichotomous & heterogeneous) – 1.2 Participants and instruments in Indian money market- Features of Indian money market - Reforms in Indian money market – 1.3 Role of the RBI. 1.4 Debt market: meaning & functions - Segments in debt market- Participants & instruments in debt market – 1.5 Role of intermediaries and the government in debt market - Recent trends in India's debt market.
II	Capital market	2.1 Capital market: meaning, role and factors affecting growth of capital market - Structure of capital market- 2.2 New issues or primary market: features, participants & intermediaries – 2.3 Overview of issue mechanisms or methods of raising primary issues- 2.4 Reforms in primary segment of Indian capital market & role of the SEBI. 2.5 Secondary market: features, participants & intermediaries – 2.6 Listing of securities: types, advantages, requisites of listing – 2.7 Basic mechanism of trading in securities – 2.8 DEMAT- introduction to major stock exchanges in India: BSE, NSE and OTCEI- 2.9 Reforms in secondary segment of Indian capital market.
		3.1 Derivatives: Need and significance - Participants in derivative markets- Types of derivatives (a. based on the

III	Derivatives Market	underlying entity- financial, commodity, foreign currency, credit & interest rates and b. based on instruments- forwards, futures, options, swaps) – 3.2 Pricing of derivatives: futures pricing, cost-of-carry model, options pricing – 3.3 Derivative markets in India: evolution & growth, NCDEX, MCX 3.4 regulation of derivatives trading in India
IV	Financial Services in India	4.1 Insurance: meaning, types, evolution and growth, 4.2 E-portal for insurance policies, 4.3 IRDA and PFRDA- 4.4 Mutual Funds: meaning, composition, advantages, types of schemes-Evolution & growth, AMFI 4.5 Merchant banking: Evolution & growth, scope and recent developments in India – Credit rating: meaning, role and significance, agencies-depository services.

Prescribed Text/s (If any):

Other Learning Resources recommended:

1. Bhole, L. M. (2008): Financial Institutions and Markets, Growth and Innovation, Tata McGraw-Hill, New Delhi.
2. Khan, M.Y. (2007): Financial Services, Tata McGraw Hill, New Delhi.
3. M.Y. Khan, Indian Financial System
4. Pathak, Bharati (2008): The Indian Financial System –Markets, Institutions, and Services, (2nd Edition), Pearson Education, New Delhi.
5. Rajesh Kothari, Financial Services in India: Concept and Application
6. Vasant Desai, Indian Financial system.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Money Market and Debt Market	Chalk and Talk, AV resources	15
II	Capital market	Chalk and Talk, AV resources	15
III	Derivatives Market	Chalk and Talk, AV resources	15
IV	Financial Services in India	Chalk and Talk, AV resources	15

Nomenclature of the Course	Economics of Agriculture and Co-Operation-II	
Class	TYBA	
Semester	VI	
Course Code	UAECO604	
No. of Credits	03	
Nature	Theory	
Type	Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1- Students can understand the basic Principles of Cooperation, Globalization and Cooperation.		
CO2- Provides information about Co-operative Finance in India and its performance and role in rural development.		
CO3- Students get introduced to the problems and measures of Agricultural Co-operatives agro industries and Cooperative farming and Leadership in cooperative development.		
CO4 - Students know the Co-operative Organizations in India and Leadership in Cooperative development		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Co-operation	1.1 Meaning and features of Co-operation 1.2 Principles of Co-operation (Manchester-1995) 1.3 Role of Co-operation in Economic development 1.4 Globalization and Co-operation 1.5 Importance and Benefits of Co-operation 1.6 Co-operative Movement in foreign Countries 1.7 Consumer Cooperative Movement in U.K 1.6 Agricultural Cooperative Movement in Israel
II	Co-operative Finance in India	2.1 Co-Operative Finance: Need, Structure. Progress and Problems 2.2 National Co-operative Development Corporation (NCDC) 2.3 Farmers service societies 2.4 Urban Co-operative banks
III	Agricultural Co-operatives	3.1 Role and Types of Agro-Industries - Problems and Measures of Agro-Industries 3.2 Sugar and Dairy Co-operatives 3.3 Food and Fruits Processing Industry 3.4 Co-Operative Farming.
IV	Co-operative Organizations in India	4.1 Consumer Co-operatives 4.2 Co-operative Marketing 4.3 NAFED 4.4 Housing Co-operative societies 4.5 Labour Co-operative societies

		4.6 Leadership in Cooperative development 4.7 Concept of Co-Operatives Audit.	
Prescribed Text/s (If any): --			
Other Learning Resources recommended:			
<ol style="list-style-type: none"> 1. Bedi R. D. (2001), Theory, History and Practice of Co-Operation, International Publishing House, Meerut (U.P.). 2. Government of Maharashtra - Co-operative movement at a Glance (latest annual report). 3. Hajela T.N, (2000), principles, problem and practice of Co-operation, Agarwal Publication, New Delhi. 4. Mathur B. S, (2000), Co-Operation in India, Sahitya Bhavan, Agra. 5. Matthai John, (1996), Agricultural Co-Operation in India, Reliance Publishing House, New Delhi. 6. Swami Krishna, (1985), Fundamentals of Co-Operation, S. Chand and Company Ltd, New Delhi. 			
Teaching Plan:			
Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Co-operation	Chalk and Talk, AV resources	12
II	Co-operative Finance in India	Chalk and Talk, AV resources	12
III	Agricultural Co-operatives	Chalk and Talk, AV resources	12
IV	Co-operative Organizations in India	Chalk and Talk, AV resources	12

Nomenclature of the Course	Research Methodology - II	
Class	TYBA	
Semester	VI	
Course Code	UAECO605	
No. of Credits	4	
Nature	Theory	
Type	Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to: CO1 - understand the concept of index number with its use and applications. CO2 - will help in formulation of hypotheses and its testing in social science research. CO3 – know the Hypothesis Formulation and Testing CO3- understands the writing of social science research reports with its various types, organization and styles.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Application of Statistics in Research	1.1 Methods of studying correlation- measurement of simple correlation: graphic method- Scatter diagram- Coefficient of correlation - Karl Pearson and rank correlation- Interpretation of $r = +1$. 1.2 Linear regression analysis: Meaning, regression lines, regression equation, 1.3 Analysis of time series- Components- Trend analysis- Moving averages (3, 4 and 5 yearly).
II	Index Number:	2.1 Meaning and classification of index number - Problems encountered while constructing index numbers - limitation of index numbers 2.2 Methods of constructing index numbers: Simple index: Aggregate method , Simple average of Relative method 2.3 Weighted index: Laspeyer's, Paache's, and Marshall-Edgeworth 2.4 Cost of living index number: Chain based index 2.5 Concepts of base shifting, splicing, and deflating
III	Hypothesis Formulation and Testing	3.2 Definition, functions and sources of Hypothesis – 3.2 Criteria of workable Hypothesis – 3.4 Concepts in testing of hypothesis: Universe / Population 3.5 Types of hypotheses: Null and Alternative Hypotheses- 3.6 Levels of significance- 3.7 Critical region -Type I and Type II Errors
		4.1 Types, objective and nature of research reports: 4.2 Format of a research report 4.3 Prequation of prepare the research report

IV	Research Report Writing	4.4 Structuring the research report: 4.5 problem of prepare the research report 4.6 features of good report 4.7 Other factors of research report: Plagiarism- Presenting footnotes- Abbreviations- Presentation of tables and figures- Referencing documentation-Use and format of appendices- Indexing - Bibliography, Appendices.	
Prescribed Text/s (If any):			
Other Learning Resources recommended:			
<ol style="list-style-type: none"> 1. Bhandarkar P.L., (1994), Samajik Sanshodhan Padhati, Himalaya Publication, New Delhi. 2. Dawson, Catherine (2002), Practical research methods, UBS Publishers, New Delhi. 3. Ghosh, B.N. (1992), Scientific methods and social research, Sterling Publishers Pvt. Ltd, New Delhi. 4. Gupta S P, (1987), Statistical methods, Sultan Chand and Sons, New Delhi. 5. Kothari R.C. (2008), Research methodology, methods and techniques, New Age International Publishers, New Delhi. 6. Krishnaswamy O.R.(1993), Methodology of research in social sciences, Himalaya publishing House, Mumbai. 			
Teaching Plan:			
Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Application of Statistics in Research	Chalk and Talk, AV resources	15
II	Index Number	Chalk and Talk, AV resources	15
III	Hypothesis Formulation and Testing	Chalk and Talk, AV resources	15
IV	Research Report Writing	Chalk and Talk, AV resources	15

Nomenclature of the Course	Quantitative Economics – II
Class	TYBA
Semester	VI
Course Code	UAECO606
No. of Credits	4
Nature	Theory
Type	Elective

Course Outcomes:

At the end of the Course, the Learner will be able to

CO1- Students get acquainted with all varied sectors of the economy of Maharashtra

CO2 -Awareness on challenges to be faced and measures to tackle the challenges.

Syllabus:

Unit No.	Unit Title	Sub titles (Learning Points)
I	Techniques and applications of partial derivatives	1.1 Functions of several variables and partial derivatives 1.2 Second order partial derivatives 1.3 Optimization of multivariable functions-Constrained optimization with Lagrange multiplier and its economic interpretation 1.4 Marginal productivity, Income and cross price elasticity of demand 1.5 Homogeneous production functions and returns to scale Cobb- Douglas production function
II	Integral Calculus	2.1 Integration and Definite integral; area under the curve 2.2 Economic applications - Present value of cash flows (present value of a sum to be received in future and present value of a stream of future income) Consumer's and Producer's Surplus.
III	Correlation and Regression Analysis	3.1 The meaning and significance of Correlation; Scatter plot of Bivariate Distributions; 3.2 Correlation and Causation - Karl Pearson's coefficient of correlation: 3.3 Spearman's rank correlation coefficient – 3.4 Simple regression analysis- Method of Least Squares and Regression Lines, 3.5 Regression Coefficients, Relationship between correlation coefficients and regression coefficients, 3.6 Estimation and forecasting of trend by the Least Squares Method.
IV	Index Numbers and Sampling Methods	4.1 Simple and composite index numbers- 4.2 Construction, uses and problems of index numbers 4.3 Laspeyre's, Paasche's and Fisher's Index numbers 4.4 Cost of living index numbers-real income – 4.5 wholesale price index number- Splicing of index numbers,

		4.6 Sampling -Principal steps in a sample survey, methods of sampling, the role of sampling theory.
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Prescribed Text/s (If any):

Other Learning Resources recommended:

1. Chiang A.C (1984). Fundamental Methods of Mathematical Economics, 3rd ed., McGraw-Hill.
2. Dowling Edward T. (1993). Theory and Problems of Mathematical methods for Business and Economics. McGraw - Hill.
3. Dowling Edward T. (2004). Introduction to Mathematical Economics Schaum's Outline Series in Economics, Tata McGraw Hill.
4. Gupta S.P. (2014). Statistical Methods, S. Chand publishing.
5. Lerner Joel J and P. Zima (1986). Theory and Problems of Business Mathematics. McGraw Hill.
6. Sancheti D.C. and V.K. Kapoor (2014). Statistics-Theory Methods and Applications, S. Chand

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Techniques and applications of partial derivatives	Chalk and Talk, AV resources	15
II	Integral Calculus	Chalk and Talk, AV resources	15
III	Correlation and Regression Analysis	Chalk and Talk, AV resources	15
IV	Index Numbers and Sampling Methods	Chalk and Talk, AV resources	15

Nomenclature of the Course	Environmental Economics – II	
Class	UAECO607	
Semester	BA	
Course Code	VI	
No. of Credits	4	
Nature	Theory	
Type	Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1- Students are empowered about the environmental challenges.		
CO2. Understand to environmental accounting.		
CO3. Students are empowered Sustainable Development and India		
CO4. Students are known Environmental Policy in India		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Environmental Degradation	1.1 Concept and types of Environmental Degradation; 1.2 Renewable and Non-renewable natural resources; 1.3 Land, Air, Water and Noise Pollution: Causes, effects and measures.
II	Environmental Accounting	2.1 Accounting for environmental and natural resources: Meaning and importance; 2.2 System of Environmental-Economic Accounting (SEEA) 2.3 Environmental and Natural Resources Accounting (ENRA); 2.4 Integration of Environmental Accounts with System of National Accounts; 2.5 Green GDP; Concept of Green Growth and its Indicators; 2.6 Concepts of Green Consumer and Green Business.
III	Sustainable Development and India	3.1 Concept of Sustainable Development; Characteristics and dimensions of Sustainable Development; 3.2 Sustainable Development Goals and Measures with special reference to India; 3.3 Smart Cities Mission in India; 3.4 National
IV	Environmental Policy in India	4.1 Overview of laws to improve the environment in India; 4.2 Central pollution Control Board; 4.3 Industrial Pollution Control Measures in India; 4.4 Pradhan Mantri Ujjwala Yojana (PMUY); 4.5 National Green Tribunal. 4.6 Environmental Education in India.
Prescribed Text/s (If any):-		
Other Learning Resources recommended:		
1. Barry Field and Martha k Field: Environmental Economics, McGraw Hill International Edition, 2017.		
2. Bhattacharya R.N. (Ed) (2001), Environmental Economics: An Indian Perspective, Oxford University Press, New Delhi.		

3. Charles Kolstad : Environmental Economics, Oxford University Press, New York, 2000.
4. Hanley Nick, Shogren Jason and White Ben: Introduction to Environmental Economics, Oxford University Press, 2001.
5. Kaltschmitt, Martin, Streicher, Wolfgang, Wiese, Andreas, Renewable Energy: Technology Economics and Environment, Springer, Germany, 2007.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Environmental Degradation	Chalk and Talk, AV resources	15
II	Environmental Accounting	Chalk and Talk, AV resources	15
III	Sustainable Development and India	Chalk and Talk, AV resources	15
IV	Environmental Policy in India	Chalk and Talk, AV resources	15

Nomenclature of the Course	Economics of Insurance – II	
Class	UAECO608	
Semester	BA	
Course Code	VII	
No. of Credits	4	
Nature	Theory	
Type	Major: Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1. Identify and define basic terms and concepts of insurance		
CO2- Describe the importance of insurance for an individual and the economy		
CO3 -Understand the concept of risk and its types, and the process of risk management		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Introduction to Life Insurance	1.1 Meaning and Definition, Features of Life Insurance, Benefits of Life Insurance – 1.2 Method of risk classification in Life Insurance - Treatment of Sub-standard risk in Life Insurance – 1.3 Types of life insurance policies -Term insurance plan, Endowment policy – 1.4 ULIP plan - Retirement plan – 1.5 Calculation of net Premium - Calculation of single premium for one year term insurance policy – 1.6 Calculation of single premium for five year term policy – Calculation of single premium for pure endowment insurance policy and calculation of single premium for ordinary endowment policy.
II	Fundamentals of Life, General and Health Insurance	2.1 Functions of Health & General Insurance – 2.2 Underwriting process and methods: Definition - Objectives and Principles of Underwriting Life insurance; Group Insurance: Meaning - Importance-Types of Group Insurance schemes.
III	IRDAI & Rural Insurance	3.1 The Insurance Act, 1938 (as amended). 3.2 The Insurance Regulatory and Development Authority Act, 1999 (as amended). 3.3 The Regulatory Body. 3.4 IRDAL duties- functions-powers and role. 3.5 Rural Insurance: Need and potential of rural insurance. 3.6 IRDAI provisions on obligations of insurers to rural and social sector. 3.7 Need and significance of Micro Insurance.
IV		4.1 Need for Information technology. 4.2 Technologies for Insurance (Artificial Intelligence and

	Information Technology & Marketing in Insurance	Machine Learning). 4.3 IT application in functional areas. 4.4 Marketing of Insurance products. 4.5 Critical success factors for insurance players. 4.6 Distribution channels. Marketing strategies of insurance players in India.	
Prescribed Text/s (If any):			
Other Learning Resources recommended:			
1. Dr. MJ Mathew (2005), Insurance Principles & Practice, RBSA Publishers.			
2. Dr. PK Gupta (2011), Insurance & Risk Management, Himalaya Publishing House.			
3. Mahipal Naresh (2017), Insurance Laws, Central Law Publications.			
4. Patukale Kshitij (2016), Mediclaim & Health Insurance, Prabhat Prakashan.			
5. PK Gupta (2017), Fundamentals of Insurance, Himalaya Publishing House.			
6. Zweifel Peter and Roland Eisen (2012), Insurance Economics, Springer Publication.			
Teaching Plan:			
Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Introduction to Life Insurance	Chalk and Talk, AV resources	15
II	Fundamentals of Life, General and Health Insurance	Chalk and Talk, AV resources	15
III	IRDAI & Rural Insurance	Chalk and Talk, AV resources	15
IV	Information Technology & Marketing in Insurance	Chalk and Talk, AV resources	15

Nomenclature of the Course	Economy of Maharashtra-II	
Class	UAECO609	
Semester	BA	
Course Code	VI	
No. of Credits	03	
Nature	Theory	
Type	Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to CO1- Students get acquainted with all varied sectors of the economy of Maharashtra CO2 -Awareness on challenges to be faced and measures to tackle the challenges. CO3 - Provides deep understanding on the infrastructural and imbalances confronting the state.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Infrastructure in the Economy of Maharashtra	1.1 Importance of infrastructure in economic development – 1.1 Types of infrastructure: Economic infrastructure; Energy, Transport & Communication - Sources of energy –Power generation - Existing Capacity - Power crises 1.2 Development of roads - Rail transport- Water transport- Civil aviation- 1.3 Irrigation projects - Communication Network Social Infrastructure: Health and education facilities in Maharashtra
II	Fiscal Policy of Maharashtra	2.1 State Finance Commission, budget of state Government – 2.2 Revenue Expenditure - Development and non-development expenditure- 2.3 Capital Expenditure- Development and non-development expenditure – 2.4 Trends in state Government expenditure Share in Central Government tax revenue 2.5 Taxes collected by state Government- Sources of non-tax revenue- Capital revenue sources- Trends in state Government revenue
III	Regional Imbalance in Maharashtra State	1.1 Meaning of regional imbalance 1.2 Nature of regional imbalances in Maharashtra 1.3 Causes of Regional Imbalance in Maharashtra. 1.4 Problems Creates by Regional Imbalance in Maharashtra Policy measures by State Government of Maharashtra for Regional Development
IV	Human Development in Maharashtra	4.1 Concept and importance 4.2 Comparison of HDI with other states in India 4.3 Region-wise HDI

		4.4 Indicators of HDI 4.5 District-wise HDI in Maharashtra 4.6 Present situation and problems of weaker section in Maharashtra - Schemes of empowerment of weaker section in Maharashtra Women empowerment in Maharashtra.
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Prescribed Text/s (If any): -

Other Learning Resources recommended:

1. Government of Maharashtra: Economic Survey of Maharashtra, Various Issues.
2. Jungale Mangala (2008): Maharashtrachi Arthvyavastha (Marathi), Prashant Publications, 17, Stadium Shopping Centre, Opp. State Bank, Jalgaon -age No. 9 to 19.
3. Munagekar Bhalchandra (2003): The Economy of Maharashtra - Changing Structure and Emerging Issues, Dr. Ambedkar Institute of Social and Economic Change, Mumbai.
4. PansareGovind (2012) :Maharashtrachi Arthik Pahani — Paryayi Drushtikon (Marathi), ShramikPratishthan, Red Plug Bldg., Bindu Chowk, Kolhapur, Page No.159 to 195.
5. Patil J. F. (2010): Suvarna Mahotsavi Maharashtrachi Badalati Arthvyavastha yio)) (Marathi), Abhijit Pratap Pawar, Sakal Papers Ltd., 595, Budhwar Peth, Pune-411002.
6. World Bank (2002) India: Maharashtra Reorienting Govt. to Facilitate Growth and Reduce Poverty.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Infrastructure in the Economy of Maharashtra	Chalk and Talk, AV resources	12
II	Fiscal Policy of Maharashtra	Chalk and Talk, AV resources	12
III	Regional Imbalance in Maharashtra State	Chalk and Talk, AV resources	12
IV	Human Development in Maharashtra	Chalk and Talk, AV resources	12

Nomenclature of the Course	History Of Economic Thought - II	
Class	UAECO610	
Semester	BA	
Course Code	VI	
No. of Credits	3	
Nature	Theory	
Type	Elective	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1- Review the Indian economic thought		
CO2-Examine the economic thought of Mahatma Phule and Gandhi		
CO3-Analyse the Economic Thought of Dr. B.R.Ambedkar, G.K.Gokhale and Dr. Manmohan Singh		
CO4 - Evaluate the Nodel Prize Winners in Economics.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Indian Economic Thought	1.1 Kautilya on welfare state 1.2 Dadabhai Naoroji's Thoughts on Drain Theory 1.3 Ranade's Case on Protection 1.4 R. C. Dutt on Imperialism , Land Tax and Public Finance 1.5 Gopal Ganesh Agarkar
II	Economic Thought of Mahatma Phule and Gandhi	2.1 Mahatma Phule's Views on Agriculture - Reasons of Farmer's Poverty 2.2 Gandhian Economic Thoughts on Self-Sufficient Village Economy - Dignity of Labour – Trusteeship - and Sarvodaya.
III	Economic Thought of Dr. B.R.Ambedkar, G.K.Gokhale and Dr. Manmohan Singh	.1 Dr.Ambedkar's Case for State Socialism - Problem of Rupee - Public Finance 3.2 G.K.Gokhale on Development and Welfare 3.3 Dr. Manmohan Singh's ' Three Steps' to Stem India's Economic Crisis
IV	Nobel Prize Winners in Economics	4.1 Dr. Amartya Sen (1998) 4.2 Robert. A. Mundell (1999) 4.3 Joseph Stiglitz(2001) 4.4 Dr. Abhijeet Banarjee (2019)

Prescribed Text/s (If any): --

Other Learning Resources recommended:

1. B. R. Nanda Gokhale (1977):- The Indian moderates and the British raj, Delhi.
2. Ajit K. Dasgupta, A History of Indian Economic Thought, (1993)Routledge London and New York.
3. Bipin Chandra (ed) (1999) Rande's economic writings, Gyan Publication House, New Delhi.
4. Encyclopedia of Nobel Laureate, Ed's, (2002) R. Kapila & A. Kapila, Academic Foundation.
5. Gandhi. M. K., (1959), India of my dreams, Navjivan publishing house Ahmadabad.
6. R. P. Mansi, Dadabhai Naoroji, (1960) publication Division, Government of India Delhi.

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I	Indian Economic Thought	Chalk and Talk, AV resources	12
II	Economic Thought of Mahatma Phule and Gandhi	Chalk and Talk, AV resources	12
III	Economic Thought of Dr. B.R.Ambedkar, G.K.Gokhale and Dr. Manmohan Singh	Chalk and Talk, AV resources	12
IV	Nobel Prize Winners in Economics	Chalk and Talk, AV resources	12

Evaluation Pattern: Sem- V & VI (All Courses)

A) Continuous Internal Evaluation: Maximum Marks: 40

Method	Marks
Class Test	20
Home assignment, seminar, viva voce, report submission	10
Active class participation and attendance	10
Total	40

B) Semester End Examination: Maximum Marks: 60

Question No. and Sub questions (If any) (E.g. Q. 1 a) ...	Unit and sub unit (with number and title)	Type of Question (Essay / short note / Objective / Diagram, etc.)	Marks
Q.1 Attempt any two of the following. a, b, c	Unit-I	Essay	15
Q.2 Attempt any two of the following. a, b, c	Unit-II	Essay	15
Q.3 Attempt any two of the following. a, b, c	Unit- III	Essay	15
Q.4 Attempt any two of the following. a, b, c	Unit- IV	Essay	15
Total			60

Date: 30/4/2024
Place: Ratnagiri


Signature
Head
Chairperson and HoD
Dept Of Economics
Gogate- Jogalekar College
Ratnagiri