

Deccan Education Society's
Kirti M. Doongurse College of Arts, Science
and Commerce
(AUTONOMOUS)



Affiliated to
UNIVERSITY OF MUMBAI

Syllabus for
Program: **Bachelor of Arts**
Course: **TYBA**
Subject: **ECONOMICS**

Choice Based Credit System (CBCS)
with effect from
Academic Year 2025-2026
NEP 2020

PROGRAM OUTCOMES

PO	Description
	A student completing Bachelor's Degree in Arts Program will be able to
PO1	Disciplinary Knowledge: Demonstrate a blend of conventional discipline knowledge and its applications to the modern world. Execute strong theoretical and practical understanding generated from the chosen programme.
PO2	Critical Thinking and Problem solving: Exhibit the skill of critical thinking and use higher order cognitive skills to approach problems situated in their social environment, propose feasible solutions and help in its implementation.
PO3	Social competence: Express oneself clearly and precisely to build good interpersonal relationships in personal and professional life. Make effective use of linguistic competencies to express themselves effectively in real and virtual media. Demonstrate multicultural sensitivity in group settings.
PO4	Research-Related Skills: Seeks opportunity for research and higher academic achievements in the chosen field and allied subjects and is aware about research ethics, intellectual property rights and issues of plagiarism. Demonstrate a sense of inquiry and capability for asking relevant/appropriate questions; ability to plan, execute and report the results of a research project be it in field or otherwise under supervision.
PO5	Personal and professional competence: Equip with strong work attitudes and professional skills that will enable them to work independently as well as collaboratively in a team environment.
PO6	Effective Citizenship and Ethics: Demonstrate empathetic social concern and equity centered national development; ability to act with an informed awareness of moral and ethical issues and commit to professional ethics and responsibility.
PO7	Environment and Sustainability: Understand the impact of the scientific solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.
PO8	Self-directed and Life-long learning: Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes.

PROGRAM SPECIFIC OUTCOMES

PSO	Description
A student completing Bachelor's Degree in Arts Program will be able to	
PSO1	Identify and understand the relationship between economics and life in order to comprehend the social/ psychological/cultural value of texts, encouraging students to appreciate and reflect on spatio-temporal, environmental, economic-political, ideological traditions and transitions in economics..
PSO2	Enable the students to encompass the specific economics ages, canons and various movements, so as to transmit a high level of proficiency to interpret and engage critically and creatively with a wide range of economics texts
PSO3	Develop a fundamental understanding of translation- as a process, a product and a discipline with theories and practice, supplementing student's basic economic and competencies with translation skills and knowledge in studies.
PSO4	Recognize and evaluate the scope and challenges in the field of economics in India's context, along with the career opportunities it offers in industry and commerce.
PSO5	Allow learners to progress from a basic comprehension of discrete elements of economics to comprehension of economics at the level of discourse.
PSO6	Enable students to understand the formal aspects of economics, develop a and discuss the structure of economics, adopt a methodical and scientific approach to the study of economics, and gradually enhance their ability to use and describe language in all its varied dimensions, thus developing an appreciation of through an understanding of the way the Economics functions.
PSO7	Give insight into basic principles of economics relating to the teaching of both Economics.
PSO8	Train for scenarios where students confidently use communication skills in Economics in a wide variety of professional and practical contexts.
PSO9	Enhance the analytical, theoretical and research specific economics skills among the students opting to pursue their career in the subject.
PSO10	Pave the way for acquiring jobs in the fields of economics, industry, academics, and research writing.
PSO11	Contextualize the text and develop an appreciation of other economic thoughts and ways of life, thus enhancing sensitivity towards all creatures on earth.
PSO12	Equip the key stakeholders- the students- with the insight and sensitivity to nurture universal humanitarian values such as inclusivity, tolerance, ethical responsibility and all the desired requisites to make significant contributions as competent citizens of the global world.

Deccan Education Society's
Kirti M. Doongursee College (Autonomous)
Curriculum as per NEP 2020
Year of implementation- 2025-26
Name of the Department: Economics

Semester	Course Code*	Course Title	Credit
V	K25UAECOMJ111	MAJOR-I: ADVANCED MICRO-ECONOMICS	4
	K25UAECOMJ112	MAJOR II: GROWTH AND DEVELOPMENT	4
	K25UAECOMJ113	MAJOR III: ECONOMICS OF AGRICULTURE AND CO-OPERATION-I	2
	K25UAECOEE114	ELECTIVE IV: RESEARCH METHODOLOGY-I	4
	K25UAECOMR115	MINOR V: ECONOMY OF MAHARASHTRA-I	4
	K25UAECOVSC116	VSC VI: MUTUAL FUNDS: THEORY, PRACTICE AND PROSPECTS	2
	FP	FIELD PROJECT	2
VI	K25UAECOMJ211	MAJOR I: ADVANCED MACROECONOMICS -III	4
	K25UAECOMJ212	MAJOR II: INTERNATIONAL ECONOMICS	4
	K25UAECOMJ213	MAJOR III: ENVIRONMENTAL ECONOMICS-I	2
	K25UAECOEE214	ELECTIVE IV: RESEARCH METHODOLOGY-II	4
	K25UAECOMN215	MINOR V: ECONOMICS OF AGRICULTURE AND COOPERATION -II	4
	OJT	ON JOB TRAINING	4

Course Code	SEM- V	Credits	Lectures/Week
K25UAECOMJ111	MAJOR I: ADVANCED MICROECONOMICS	4	4
<p>Course Outcomes: CO1: This course will help to remember the different concepts of welfare economics and general equilibrium. CO2: This course is designed to make students understand the concept of information economics. CO3: This course will help students to develop the skill of application of oligopoly and Game theory. CO4: The emphasis will be on the development of analytical thinking particularly with reference to equilibrium under imperfect competition.</p>			
Unit	Topics	No of Lectures	
I	General Equilibrium and Welfare Economics Concept of General Equilibrium and Walrasian General Equilibrium Model -Pareto Optimality-The Pareto Optimality Condition of Social Welfare-Marginal conditions for Pareto Optimal Resource Allocation- Perfect Competition and Pareto Optimality - Arrow's Impossibility Theorem	15	
II	Market Structure-Monopoly and Monopolistic Competition Concept of Monopoly-Measurement of Monopoly Power-Price Discrimination: Types and Classification of Price Discrimination (Degrees of Price Discrimination)-Equilibrium under Discriminating Monopoly - Regulation of Monopoly Market. Product Differentiation in Monopolistic Competition - Chamberlin's Alternative Approach -Equilibrium under Monopolistic Competition - Excess Capacity	15	
III	Oligopoly The Cournot Model- Meaning and Characteristics of Oligopoly Market-Rigid Prices - The Sweezy Model of Kinked Demand Curve-Collusive Oligopoly -Cartel: Centralised and Market Sharing Cartel-Imperfect Collusion-Price Leadership Models, Game Theory-Prisoner's Dilemma, Nash Equilibrium and Dominant Strategy Equilibrium.	15	
IV	Information Economics Economics of Search and Search Cost- The Theory of Asymmetric Information-The Market for Lemons and Adverse Selection - Risk Preference and Expected Utility-	15	

	The Problem of Moral Hazard- Market Signalling -Principal-Agent Problem	
REFERENCES:		
<p>1.N.Gregory Mankiw, (2015), “Principles of Microeconomics” 7th edition- Cengage Learning. 2.Sen Anindya, (2007),“Microeconomics Theory and Applications” Oxford University press, New Delhi. 3. Salvator D, (2003) “Microeconomics Theory and Applications” Oxford University press, New Delhi. 4. M.L.Jhingan, (2006) “Microeconomics Theory”, 5th edition Vrinda Publication (P) Ltd. 5. H.L.Ahuja, (2016) “Advance Economics Theory” S.Chand & Company Ltd. 6. Paul Samuelson and W. Nordhaus, (2009): Economics, 19th Edition McGraw Hill Publications.</p>		

Course Code	SEM – V	Credits	Lectures/Week
K25UAECOMJ112	MAJOR II : GROWTH AND DEVELOPMENT	4	4

Course Outcomes:

- CO1: This paper helps to remember the concepts, theories, process and policies regarding growth and development.
CO2: Enable students to understand the issues in the development process
CO3: Students will be able to apply the issues related to Growth and Development
CO4: Students will be able to analyse the policy options and analyze the Measures taken for th development of an economy.

Unit	Topics	No of Lectures
I	Population and Human Resources Demographic transition , Microeconomic households theory of fertility, approaches to population policy, Human capital and its role in development ,Health and Nutrition in development.	15
II	Structural Transformation The Kuznets-Clark thesis, Causes of urbanization, migration and development, policies for the urban informal sector, women in the informal sector, Role of agriculture in economic development , policies for rural development.	15
III	International Aspects of Development	15

	Trade strategies for development : export promotion versus import substitution, financing of balance of payments deficits, foreign direct investment and multinational corporations, foreign portfolio investments and developing countries.	
IV	<p>Agencies of Development</p> <p>Market, State, and Voluntary sector as agencies of development , Types of Planning- Changing role development planning , Models of development planning, Gender budgeting.</p> <p>Role of international Agencies in development – World Bank and IMF- structural adjustment and stabilization , WTO.</p>	15

REFERENCES:

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. 7
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

Course Code	SEM – V	Credits	Lectures/Week
K25UAECOMJ113	MAJOR III: ECONOMICS OF AGRICULTURE AND CO-OPERATION-I	2	2

Course Outcomes:

- CO1: To enable students to remember about principles of co-operation.
CO2: To make them understand about the co-operative movement in India and abroad.
CO3: To make them apply for self-employment through various local businesses like agro-tourism, horticulture, fishery and animal husbandry.
CO4: To make them analyse about the problems and measures of agro-industries.

Unit	Topics	No of Lectures
I	Agricultural Productivity	15

	Role of Agriculture in Economic Development- Cropping Pattern in India- Recent trends- Agricultural Productivity- Causes of low productivity in agriculture- Measures to improve the agricultural productivity in India- Agricultural labour Problems and Suggestions	
II	Agricultural Credit Institutional and Non-Institutional Sources of Credit Co-operative Credit and Agriculture Rural Indebtedness- Commercial Banks and Regional Rural Banks- Microfinance and NABARD- Role and Performance- Case Study: Kisan Credit Yard Yojana	15

REFERENCES:

1. Bilgrami S.A.R.(2000), 'An Introduction of Agricultural Economics', Himalaya Publishing House, Mumbai.
2. Datta R. and Mahajan A. (2016), ' Indian Economy', Chand and Company Ltd, New Delhi.
3. Gupta P.K. (2012), 'Agricultural Economics', Vrinda Publication Pvt. Ltd., Delhi.
4. Mamoria C.B. and Tripathi B.B. (1991), 'Agricultural Problems in India, Kitab Mahal, Allahabad.

Additional References:

1. Sadhu and Singh (2008), 'Fundamentals of Agricultural Economics', Himalaya Publishing House, Mumbai
2. Tyagi B.P. (2016), 'Agricultural Economics and Rural Development', Jaiprakash Nath and Co, . Meerut.

Course Code	SEM – V	Credits	Lectures/Week
K25UAECO0E114	ELECTIVE IV: RESEARCH METHODOLOGY - I	4	4
Course Outcomes:			
<p>CO1: This course aims to remember the information about concept of Research Methodology</p> <p>CO2: This course is framed with the objective of making students understand about various steps in research process.</p> <p>CO3: Students will get information to apply about the different techniques of research methods</p> <p>CO4: Students get familiarized with the need to analyse statistical tools and techniques.</p>			
Unit	Topics	No of Lectures	
I	Introduction to Concept of Research <ul style="list-style-type: none"> • Nature, Scope & Purpose of social research • Basic assumptions of research • Significance of social sciences research • Objectivity in social sciences research • Types of research: pure & applied research; formulative or exploratory research; descriptive research, historical research, experimental research, survey research • Ethical issues relating to research • Major Difficulties in the Area of economic research 	15	
II	Elements of Research Methodology <p>I. Steps in Research process:</p> <ul style="list-style-type: none"> • Identification, selection and formulation of research problem – sources of research problem – criteria of a good research problem • Review of literature • Formulation of hypothesis • Preparing Research Design: Definition, Concepts, and types– exploratory, descriptive and diagnostic, experimental and Analytical research designs • Collecting and analysing the data • Interpretation and report writing 	15	
III	Sources of Data for Research <p>I. Types of data sources: Primary and Secondary, choice between primary and secondary data</p> <ul style="list-style-type: none"> • Primary data-Meaning and Collection methods <ul style="list-style-type: none"> i. Observational method ii. Interview technique iii. Design of Schedule and Questionnaire 	15	

	iv. Survey method and Field Visits • Major Sources of Secondary data: Meaning, advantages, Relevance, limitations and cautions of secondary data. II. Sampling Technique: Census and sample survey- Essentials of a good Sampling - Advantages and limitations of sampling, Methods of sampling, Sampling and Non-sampling errors - Sample size – selecting an appropriate sampling technique	
IV	Processing and Analysis of Data • Classification, Tabulation and Graphical presentation of socio-economic data • An introduction to Statistical Analytical Tools – Measures of Central Tendency – Measures of Variation: Quartile deviation, standard deviation, coefficient of variation- •Graphical representation of data, Generating charts/ graph and other features.	15

REFERENCES:

1. Gopal, M.H (1970) An Introduction to Research Procedures in Social Sciences, Bombay, Asia Publishing House.
2. Goode J. William & Hatt K. Paul, Methods of social Research, New York, McGraw –Hill.
3. Kothari, C.R (2004) Research Methodology: An Introduction, Delhi, New Age
4. Krishnaswami, O.R &, M.Ranganatham (2011) Methodology of Research in Social Sciences, Himalaya Publishing House, Mumbai. .(Unit 1,2, 3,4)
5. Kumar, Renjith (2009) Research Methodology: A Step by Step Guide for Research, Delhi, Pearson Education
6. P.Saravanavel ((1987) Research Methodology, Kitab Mahal, Allahabad .(Unit 1,2, 3,4)
7. Gupta S P Statistical Methods Sultan Chand and Sons, New Delhi. .(Unit 3,4,)
8. Gupta S.C, Fundamentals of Statistics, Himalaya Publication House, Bombay. (Unit 4,)
9. Rajaram V. (1996), Fundamentals of computers, Prentice Hall of India, New Delhi

Course Code	SEM – V	Credits	Lectures/Week
K25UAECOMR115	MINOR V: ECONOMY OF MAHARASHTRA-I	4	4
Course Outcomes:			
CO1: To introduce students to remember the concepts of the economy of Maharashtra.			
CO2: To make them understand about the demography of Maharashtra.			
CO3: To apply with all varied sectors of the economy of Maharashtra.			
CO4: To make them analyse about the challenges faced and their measures.			
Unit	Topics	No of Lectures	
I	Introduction to Economy Important Features of the economy- land, forest, climate and rainfall, fisheries and mineral resources- Formation of Maharashtra- Samyukta Maharashtra Movement- Various economic indicators denoting the position of Maharashtra	12	
II	Demography of Maharashtra Size and growth rate- Density- Birth rate, Death rate and infant mortality rate- Urban and Rural Population- Literacy rate- Sex ratio- Migration- Labour Force- SC and ST population- Employment Guarantee Scheme- Unemployment and Poverty	12	
III	Agriculture Development in Maharashtra Significance of agriculture in the economy- Land utilisation in Maharashtra- Cropping Pattern- Land reforms- Inequalities in land distribution- Issue of Farmer Suicide- Concept of PDS- Co-operatives in Maharashtra	12	
IV	Service Sector Major Manufacturing industries- Industrial Policy of 2019 and 2024 - Role of MIDC, SICOM, MSFC, SEZ in industrial development- Foreign Direct Investment- Role of Service sector in the economy	12	
REFERENCES:			
1) Mungekar B. (2003), 'The Economy of Maharashtra- Changing Structure and Emerging Issues', Dr Ambedkar Institute of Social and Economic Change, Mumbai.			
2) World Bank (2002), 'India: Maharashtra Reorienting Govt to facilitate growth and reduce Poverty, India.			
3) Kurulkar R.P. (1997), 'Maharashtrachi Arthvyavastha', Vidya Prakashan, Ruikar Marg, Nagpu, Pg. No. 153-179.			

- 4) Pansare G. (2012), 'Maharashtrachi Arthik Pahani- Paryayi Drushtikon', Shramik Pratishtan, Red Plug Bldg., Bindu Chowk, Kolhapur, Pg. No. 159-195.
- 5) Managala J. (2008), 'Maharashtrachi Arthvyavastha', Prashant Publicaitons, Jalgaon.
- 6) Patil F. (2010), 'Survana Mahotsavi Maharashtrachi Badalati Arthvyavastha', Pg. No. 41-57, Sakal Papers Ltd., Pune.

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Course Code	SEM – V	Credits	Lectures/Week
K25UAECOVS116	VSC VI : MUTUAL FUNDS: THEORY, PRACTICE AND PROSPECTS	2	2
Course Outcomes:			
CO1: To introduce students to remember the types and features of mutual funds.			
CO2: To make them understand the structure, benefits, and limitations of mutual fund investments.			
CO3: To demonstrate how to select, compare, and invest in mutual fund schemes.			
CO4: To evaluate mutual fund performance using financial ratios and NAV-based analysis			
Unit	Topics	No of Lectures	
I	Module: 1 <ul style="list-style-type: none"> ● Meaning and Evolution of Mutual Funds in India ● Structure of Mutual Funds: Sponsor, AMC, Trustee, Custodian ● Classification of Mutual Funds: Open-ended, Close-ended, Equity, Debt, Hybrid, Index Funds, ETFs ● Advantages and Limitations of Mutual Funds ● Key Terminologies: NAV, AUM, Expense Ratio, Exit Load 	15	
II	Module: II <ul style="list-style-type: none"> ● How Mutual Funds Work: Investment, Redemption, SIPs ● Understanding Fund Offer Documents and Riskometer ● Methods of Performance Evaluation: NAV, Sharpe Ratio, Alpha, Beta ● Mutual Funds vs Other Investment Avenues ● Prospects of Mutual Funds in India: Trends, Challenges, and Policy Support 	15	
REFERENCES:			

Kevin, S. : *Security Analysis and Portfolio Management*, Publisher: PHI Learning

Gordon, E. & Natarajan, K. : *Financial Markets and Services*, Himalaya Publishing House

Avadhani, V.A. : *Investment and Securities Markets in India*, Himalaya Publishing House

Raghunathan, V.: *Stock Exchanges, Investments and Derivatives*, Tata McGraw Hill

Singh, Preeti,: *Investment Management*, Himalaya Publishing House

SEBI and AMFI Publications: *Mutual Funds in India – Investor Education Booklets*
Publisher: SEBI / AMFI

Course Code	SEM 5	Credits	Lectures/Week
FP	FIELD PROJECT	4	4
Course Outcomes: After successful completion of this course, students would be able to CO1: To remember the practical atmosphere of the industry and realise the skills required by him CO2: To understand some hands-on experience in conduct of real life obstacles and challenges. CO3: To Apply the course in the job or industry. CO4: To analyse skills as well as upgrade the knowledge required for better prospects.			
Unit	Topics	No of Lectures	
I	Allotting the topics to the students with discussion.	15	
II	Guiding students from time to time in their research.	15	
III	Presentation of their research projects.	15	
IV	Evaluation of the research projects.	15	

TYBA SEM VI

Semester	Course Code*	Course Title	Credit
VI	K25UAECOMJ211	MAJOR I: ADVANCED MACROECONOMICS	4
	K25UAECOMJ212	MAJOR II: INTERNATIONAL ECONOMICS	4
	K25UAECOMJ213	MAJOR III: ENVIRONMENTAL ECONOMICS-I	2
	K25UAECOEE214	ELECTIVE IV: RESEARCH METHODOLOGY-II	4
	K25UAECOMN215	MINOR V: ECONOMICS OF AGRICULTURE AND COOPERATION -II	4
	OJT	ON JOB TRAINING	4

Course Code	SEM– VI	Credits	Lectures/Week
K25UAECOMJ211	MAJOR I: ADVANCED MACROECONOMICS	4	4
<p>Course Outcomes:</p> <p>CO1: This course will help to remember the changing dynamics of the International Monetary System.</p> <p>CO2: This course is designed to make students understand the various aspects of different Trade Cycle theories.</p> <p>CO3: The emphasis will be on the application particularly about the relationship between Exchange rate and Balance of Payments.</p> <p>CO4: This course will help students to develop the analytical skill of application of Post Keynesian synthesis particularly Natural Rate of Unemployment and Rational Expectations.</p>			
Unit	Topics	No of Lectures	
I	<p>Post Keynesian Synthesis Derivation of Aggregate Demand Curve with IS-LM-Aggregate Supply Curve-Determination of Equilibrium National Income and Price Level under Aggregate Demand and Aggregate Supply Model-Extension of IS-LM Model with Labour Market and Flexible Prices-Natural Rate of Unemployment -Long run Philips Curve-Friedman 's Expectation Model- Tobin's Modified Philips Curve-Adaptive Expectations and Rational Expectations.</p>	15	
II	<p>Trade Cycles Meaning - Nature- Features and Types of Trade Cycles -Phases of Trade Cycles -Theories of Trade Cycles -Hawtrey, Kaldor, Paul Samuelson and Hicks-Measures to Control Trade Cycles.</p>	15	
III	<p>Exchange Rate Regimes and Currency Crises Managed Exchange Rate - Advantage and Disadvantage-Policy of Managed Flexibility- Adjustable Peg System , Crawling Peg System, Managed Floating System, Clean and Dirty Float System -Balance of Payment and Exchange Rate -Is Balance of Payments Always in Balance? -Convertibility of Currency -Currency Crisis-Causes, Impact and Measures.</p>	15	
IV	<p>International Monetary System Rise and Fall of International Gold Standard-Bretton Woods System -Breakdown of the Bretton Woods System -Monetary System After the Collapse of Bretton Woods</p>	15	

	System-Maastricht Treaty, Features ,Effects and Importance of Euro- Currency Market - Causes and Consequences of Global Economic Crisis -Impact of Global Recession on the Indian Economy-Asia Infrastructure Investment Bank (AIIB)- New Development Bank (NDB): Asian Development Bank(ADB).		
REFERENCES:			
<p>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.</p>			
Course Code	SEM – VI	Credits	Lectures/Week
K25UAECOMJ212	MAJOR II: INTERNATIONAL ECONOMICS	4	4
Course Outcomes:			
<p>CO1: The course is designed to provide a general understanding of the fundamentals of International Trade Theories along with the balance of payment concepts, crisis and various policy measures to correct the same. CO2: Students will understand the working of foreign exchange market, determination of exchange rate and different terms related to the foreign exchange market. CO3: Students will be able to apply the principles of economics to the role of various international institutions and trade blocs and their approaches in framing the policies for trade. CO4: Students will able to analyse the interrelationship between various trade blocs and international relations.</p>			
Unit	Topics	No of Lectures	
I	Introduction to Trade Theories Meaning, scope and importance of International Trade- Difference between Internal and International Trade - Adam Smith's Theory of International Trade - Ricardian theory of comparative cost difference Heckscher- Ohlin Theory-Leontief's Paradox- Krugman's Model	15	
II	Balance of Trade and Balance of Payment Concepts of Terms of Trade(Net barter, Gross barter and Income terms of trade)-Meaning and difference between Balance of Trade (BOT) and Balance of Payment (BOP)-Purchasing Power Parity theory, Law of Reciprocal	15	

	Demand-Marshall-Edgeworth Offer curves, Gains from trade-Case for and against Free Trade and Protection policy	
III	Foreign Exchange Market Meaning and Functions of Foreign Exchange Market-Exchange rate determination, Factors influencing foreign exchange rate-Managed Flexibility-SWAP Market, Components of foreign exchange reserves Foreign Aid Vs Foreign Trade, FDI and MNCs	15
IV	International Economic Institutions and Economic Integration IMF, World Bank - Role and functions-WTO-Objectives, Functions and Agreements with respect to TRIPS,TRIMS, GATS, AoA - Forms and objectives of Economic Integration-Cartels-Trade Blocs, ASEAN- European Union (EU)- NAFTA and SAARC.	15

REFERENCES:

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.

Course Code	SEM – VI	Credits	Lectures/Week
K25UAECOMJ213	MAJOR III: ENVIRONMENTAL ECONOMICS-I	2	2

Course Outcomes:

- CO1: To enable students to remember of contemporary environmental issues and their relation to economic development.
- CO2: To make them understand the methodologies and tools of valuing the environment.
- CO3: To apply these concepts which helps to In the light of international environmental agreements, the learners will be able to understand the global approaches.
- CO4: To analyse the policies adopted by India to deal with the environmental issues.

Unit	Topics	No of Lectures
I	Introduction to Environmental Economics	15

	Environmental Economics: Nature, Significance and Scope; Environment and the economy; Environmental Kuznets Curve; Common resources, externalities and property rights; Coase Theorem; Rio Declaration and Agenda 21 programme of action for sustainable development.	
II	The design and implementation of Environmental Policy Criteria for evaluating environmental policies; Tools of Environmental Policy: Standards, Pigovian taxes/effluent fees, quotas/tradable permits; Choice between taxes and quotas; Environmental Policy: Regulation and Implementation.	15

REFERENCES:

1. Barry Field and Martha k Field: Environmental Economics, McGraw Hill International Edition, 2017.
2. Benneer, 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.
7. M. L. Jhingan, C. K. Sharma (2009): Environmental Economics : Theory, Management and Policy Vrinda Publications.

Course Code	SEM – VI	Credits	Lectures/Week
K25UAECO0E214	ELECTIVE IV: RESEARCH METHODOLOGY-II	4	4

Course Outcomes:

- CO1:** This course aims to remember the information about Statistical applications in research.
CO2: This course is framed with the objective of making students understand about Hypothesis formulation and Hypothesis Testing.
CO3: Students can apply about the Research Report Writing.
CO4: Students get familiarize with the need to analyse statistical tools and techniques like Index

Numbers, Correlation and Regression analysis for analyzing the data.		
Unit	Topics	No of Lectures
I	<p>Statistical applications in research</p> <p>Methods of studying Correlation- measurement of simple correlation: graphic method: scatter diagram - coefficient of correlation - Karl Pearson and rank correlation interpretation of $r = \pm 1$ • Analysis of Time Series – components –trend analysis- moving averages (3, 4 and 5 yearly).</p>	15
II	<p>Index numbers</p> <p>Meaning – classification – problems encountered while constructing index numbers- uses and limitation of index numbers Methods of constructing index numbers: • Simple index: • Weighted index: Laspeyer's, Paache's and Fisher's index – weighted average of relatives method • Consumer price index: meaning, need and construction – family budget method.</p>	15
III	<p>Hypothesis formulation and Hypothesis Testing</p> <p>Definition and functions of hypothesis –Criteria of Good/ideal hypothesis – forms and sources of hypothesis • Concepts in Testing of Hypothesis: Universe / Population, parameter and statistic, Null and Alternative Hypotheses, Levels of Significance, critical region, Type I and type II errors.</p>	15
IV	<p>Research Report Writing</p> <p>Types of Research Report: • Format of a Research Report Principles of writing the Research Report: Organization and Style - Steps in drafting Reports. Organization of the Research Report: Preliminaries, Contents of Report, Structuring the Report: Chapter format- Pagination- Identification- Using quotations- Presenting footnotes – abbreviations- Presentation of tables and figures- Referencing- Indexing - Bibliography, Appendices</p>	15
<p>REFERENCES:</p> <ol style="list-style-type: none"> 1. Gopal, M.H (1970) An Introduction to Research Procedures in Social Sciences, Bombay, Asia Publishing House. 2. Goode J. William & Hatt K. Paul, Methods of social Research, New York, McGraw –Hill. 3. Kothari, C.R (2004) Research Methodology: An Introduction, Delhi, New Age 4. Krishnaswami, O.R &, M.Ranganatham (2011) Methodology of Research in Social Sciences, Himalaya Publishing House, Mumbai. .(Unit 1,2, 3,4) 		

5. Kumar, Renjith (2009) Research Methodology: A Step by Step Guide for Research, Delhi, Pearson Education
6. P.Saravanavel ((1987) Research Methodology, Kitab Mahal, Allahabad .(Unit 1,2, 3,4)
7. Gupta S P Statistical Methods Sultan Chand and Sons, New Delhi. .(Unit 3,4,)
8. Gupta S.C, Fundamentals of Statistics, Himalaya Publication House, Bombay. (Unit 4,)
9. Rajaram V. (1996), Fundamentals of computers, Prentice Hall of India, New Delhi.

Course Code	SEM – VI	Credits	Lectures/Week
K25UAECOMN21 5	MINOR V: ECONOMICS OF AGRICULTURE AND COOPERATION -II	4	4
Course Outcomes:			
CO1: Students can remember the basic principles of co-operation.			
CO2: Students can understand co-operation at global level.			
CO3: Students can get apply about co-operative movement in India and its link with rural development.			
CO4: Students can analyse the problems and measures of agro-industries and co-operative farming and leadership in co-operative development.			
Unit	Topics	No of Lectures	
I	Co-operation Meaning and features of Co-operation, Principles of Co-operation- Role of Co-operation in economic development- Globalization and Co-operation- Importance and Benefits of Co-operation- Co-operative Movement in Foreign Countries- Consumer Co-operative Movement in UK- Agricultural Co-operative Movement in Isarel.	12	
II	Co-operative Finance in India Co-operative Finance- Need, Structure, Progress and Problems- National Co-operative Development Corporation (NCDC)- Farmers Service Societies- Urban Co-operative Bank	12	
III	Agricultural Co-operatives Role and Types of Agro-Industries- Problems and Measures of Agro-industries- Sugar and Dairy Cooperatives- Food and Fruits Processing Industry- Co-operative Farming	12	

IV	Co-operative Organization in India	12
Consumer Co-operatives- Co-operative Marketing- NAFED- Housing Co-operative Societies- Labour Co-operative Societies- Leadership in Co-operative development- Concept of Co-operative Audit		
REFERENCES: <ol style="list-style-type: none"> 1. Bedi R.D.(2001), 'Theory, History and Practice of Co-operation', International Publishing House, Meerut, UP. 2. Hajela T.N. (2000), 'Principles, Problem and Practice of Co-operation', Agarwal Publication, New Delhi. 3. Mathur B.S. (2000), 'Co-operation in India', Sahitya Bhavan, Agra. 4. Matthai John (1996), 'Agricultural Co-operation in India, Reliance Publishing House, New Delhi. Additional References: <ol style="list-style-type: none"> 1. Swami Krishna (1985), 'Fundamentals of Co-operation', S.Chand and Company LTD., New Delhi. 2. Government of Maharashtra, Co-operative Movement at a Glance (latest Annual Reports). 		

Course Code	SEM 6	Credits	Lectures/Week
OJT	On the Job Training	4	4
Course Outcomes: After successful completion of this course, students would be able to CO1: To remember the practical atmosphere of the industry and realise the skills required by him CO2: To understand some hands-on experience in conduct of real life obstacles and challenges. CO3: To Apply the course in the job or industry. CO4: To analyse skills as well as upgrade the knowledge required for better prospects.			
Unit	Topics	No of Lectures	
I	Allotting the topics to the students with discussion.	15	
II	Guiding students from time to time in their research.	15	

III	Presentation of their research projects.	15
IV	Evaluation of the research projects.	15

EVALUATION PATTERN

Evaluation Scheme for Second Year (UG) under NEP (4 credits)

I. Internal Evaluation for Theory Courses – 40 Marks

1) Continuous Internal Assessment (CIA) Assignment - 20 marks

2) Continuous Internal Assessment (CIA) ONLINE Unit Test – 20 marks

II. External Examination for Theory Courses – 60 Marks

Duration: 2 Hours

Theory question paper pattern:

Question	Based on	Marks
Q.1	Unit I A or B (7) C or D (8)	15
Q.2	Unit II E or F (7) G or H (8)	15
Q.3	Unit III I or J (7) K or L (8)	15
Q.4	Unit IV M or N(7) O or P (8)	15

- All questions shall be compulsory with internal choice within the questions.
- Each Question may be sub-divided into sub questions as a, b, c, d, etc. & the allocation of Marks depends on the weightage of the topic.

- **VSC and SEC Separate Passing**

NOTE: To pass the examination, attendance is compulsory in both Internal & External Examinations.

Evaluation Scheme for Second Year (UG) under NEP (2 credits)

I. Internal Evaluation for Theory Courses – 20 Marks

1) Continuous Internal Assessment (CIA) Assignment - 10 marks

2) Continuous Internal Assessment (CIA) ONLINE Unit Test – 10 marks

II. External Examination for Theory Courses – 30 Marks

Duration: 1 Hours

Theory question paper pattern: All questions are compulsory.

Question	Based on	Marks
Q.1	Unit I A or B (7) C or D (8)	15
Q.2	Unit II E or F (7) G or H (8)	15

- All questions shall be compulsory with internal choice within the questions.
- Each Question may be sub-divided into sub questions as a, b, c, d, etc. & the allocation of Marks depends on the weightage of the topic.

NOTE: To pass the examination, attendance is compulsory in both Internal & External Examinations.