

Curriculum Framework

Master of Arts in Economics

As per NEP 2020 and Learning Outcomes-based National Curriculum Framework
(Aligned with NCrF and NHEQF)

Effective From Academic Year 2025-2026



Founded by Mahatma Gandhi in 1920

Gujarat Vidyapith
Ahmedabad

Curriculum Framework

Master of Rural Economics

As per NEP 2020 and Learning Outcomes-based National Curriculum Framework
(Aligned with NCrF and NHEQF)

Effective from Academic Year 2025-2026



GUJARAT VIDYAPITH: AHMEDABAD

Curriculum Framework of Master Rural Economics

Published by:

Dr. Himanshu Patel

Registrar

Gujarat Vidyapith

Near Income Tax Office, Ashram Road, Ahmedabad - 380009.

From the Desk of Vice Chancellor...



Dear All,

Any curriculum, at any level, must be firmly grounded in the objectives and goals that an educator or an educational institution aspires to achieve for its students. A course that trains students to solve mathematical equations must be very different from one that teaches them how to play a musical instrument, practice yoga, or conduct social research. Each subject requires its own methods, activities, and learning goals, which is why curriculum design is so important.

Therefore, curriculum is of utmost importance, as it determines how teachers and students will spend their time—in laboratories, in clinical practice, in creative endeavors, or in interactive lectures. It also reflects what a class, a department, a school, or an institution values; what it defines as its mission; and what it expects its graduates to accomplish. In this sense, the curriculum is the map that guides the essentials of learning from the classroom level to the institutional level.

The true success of any curriculum must be judged by its ability to achieve its intended objectives. It is a test of how well an institution—or an individual teacher—understands and articulates those objectives, and how effectively a pathway is created for students to attain success as defined by them. Curriculum is, in fact, a continuous chain of activities designed to translate broad educational goals into concrete practices, learning materials, and observable changes in behavior. A lesson plan, for instance, is curriculum at the classroom level, answering the critical questions: *What do I want my students to know? How can I engage them meaningfully? How will I measure what they have learned?*

For a society to achieve its educational aspirations, the curriculum must be both functional and relevant to its needs. Through careful management of curriculum, effective use of resources, and policies that bring systemic improvements, education can move society toward a more promising future. Indeed, curriculum is the very foundation of any academic institution—without it, the institution would lose its purpose and direction.

At Gujarat Vidyapith, established by Mahatma Gandhi in 1920 with its rich cultural and educational heritage, we remain committed to these ideals and we work with well-defined objectives to prepare our students for a brighter academic and social future.

It gives me immense pride and joy to announce the unveiling of the latest curriculum of Gujarat Vidyapith. This curriculum has been carefully designed in alignment with the objectives and guiding principles of the National Education Policy (NEP) 2020. I take this opportunity to place on record my deep appreciation for the efforts of the teaching faculty of Gujarat Vidyapith, the Members of the Board of Studies, and the Members of the Academic Council. Their dedication and vision have given shape to this comprehensive neo-curriculum, which will guide our students and our institution toward continued excellence.

With best wishes,

Dr. Harshad Patel
Vice Chancellor
Gujarat Vidyapith

Curriculum Framework

Master of Rural Economics

Effective From Academic Year 2025-2026

Department of Rural Economics
Faculty of Social Science
Gujarat Vidyapith

Board of Studies

Chairperson:

Prof. Kaniyalal Nayak

Professor & Dean, Faculty of Socialsciences, Gujarat Vidyapith, Ahmedabad.

External Experts:

1) Dr. Gaurang Rami

Professor & Head of the Department of Economics, Veer Narmad South Gujarat University, Surat

2) Dr. Himani Baxi

Assistant Professor, Pandit Deendayal Upadhyay Energy (PDEU) University, Gandhinagar.

Members from the Department:

1) Prof. Nimisha Shukla

Professor, Department of Rural Economics, Faculty of Social Sciences, Gujarat Vidyapith.

2) Prof. Hashmukh Desai

Professor, Department of Rural Economics, Faculty of Social Sciences, Gujarat Vidyapith. Ahmedabad.

3) Prof. Manjula Dabhi

Professor, Department of Rural Economics, Faculty of Social Sciences, Gujarat Vidyapith, Ahmedabad.

4) Dr. Naresh Chauhan

Assistant Professor, Department of Rural Economics, Faculty of Social Sciences, Gujarat Vidyapith, Ahmedabad.

5) Dr. Dhara Vaghadiya

Assistant Professor, Department of Rural Economics, Faculty of Social Sciences, Gujarat Vidyapith, Ahmedabad.

6) Kailas Bhoya

Assistant Professor, Department of Rural Economics, Faculty of Social Sciences, Gujarat Vidyapith, Ahmedabad.

7) Nasheman Bandukwala

Assistant Professor, Department of Rural Economics, Faculty of Social Sciences, Gujarat Vidyapith, Ahmedabad.

Curriculum Framework- Master of Rural Economics) - 2025

PROGRAMME STRUCTURE							
Course Code	Course Name	Hours		Credit	Evaluations		
		Theory	Type		CCE	TEE	
SEMESTER-1							
256010411001	Modern Micro Economics	60	Core	4	40	60	
256010411002	Public Economics	60	Core	4	40	60	
256010411003	Quantitative Methods in Economics	60	Core	4	40	60	
256010411004	Indian Economy	60	Core	4	40	60	
256010411005	Agricultural Economics-1	60	Optional	4	40	60	
256010411006	Health Economics -1	60	Optional	4	40	60	
256010411007	Economics of Cooperation -1	60	Optional	4	40	60	
MECNEC10 8	MOOC-1	60	Optional	4			
Total				20	280	420	
SEMESTER-2							
256010411009	Modern Macro Economics	60	Core	4	40	60	
256010411010	Principles of International Trade	60	Core	4	40	60	
256010411011	Research in Social Sciences	60	Core	4	40	60	
256010411012	Economic Thoughts of M K Gandhi	60	Core	4	40	60	
256010411013	Agricultural Economics-2	60	Optional	4	40	60	
256010411014	Health Economics -2	60	Optional	4	40	60	
256010411015	Economics of Cooperation - 2	60	Optional	4	40	60	
MECNEC208	MOOC -2 Introduction to Economics of Education (3+1)	60	Optional	4	40	60	
Total					320	480	
SEMESTER-3							
256510411017	International Monetary System	30	0	2	40	60	
256510411018	Environmental Economics	45	0	3	40	60	
256510411019	Rural Economics	45	0	3	40	60	
256510411020	Economics of Education	45	0	3	40	60	
256510411021	Humane Economics	30	30	3	40	60	
256510411022	Contributions of Indian-Origin Economists	15	135	4	40	60	
256510411023	History of Economic Thought	15	30	2	40	60	
MECNE3208	MOOC -3						
Total		225	195	20	280	420	
SEMESTER-4							
256510411025	Welfare Economics	30	Core	2	40	60	
256510411026	Economics of Development	45	Core	3	40	60	
256510411027	Economics of Natural Resources	45	Core	3	40	60	
256510411028	Field Work based Report Writing	45		3	40	60	
256510411029	Labour Economics	30		3	40	60	
256510411030	Introduction to Ecological Economics	15		4	40	60	
256510411031	Econometrics	15		2	40	60	
MECNEC407	Term Paper						
	MOOC -4 Macro foundation for Micro Economics(3+1)						
GRAND TOTAL		840	945	80	1120	1680	

*CCE- Continuous Comprehensive Evaluation; **TEE- Term End Evaluation

Programme Contents	Credits
Core Courses	48
Field and Research	06

Professional Competency	08
Development Elective Modules	08
Institutional Managerial Internship	10
Total Credits of Programme	80

Collaborating Organisations

Programme Outcomes (POs)

After successful completion of the management program, students will be able to:

PO-1	Advanced Scientific Knowledge	Apply advanced knowledge of management theories and data-driven practices to solve organisational and developmental problems through evidence-based approaches.
PO-2	Research & Problem-Solving Skills	Develop and use research methodologies, case study analysis, and market research techniques to identify organisational challenges and provide innovative, strategic solutions.
PO-3	Experimental & Analytical Proficiency	Use tools like data analytics, financial modelling, and forecasting to evaluate alternatives, test business hypotheses, and improve decision-making in real-world business scenarios.
PO-4	Interdisciplinary Approach	Integrate concepts from economics, psychology, sociology, law, and technology with management principles to address complex organizational and societal challenges holistically.
PO-5	Environmental Consciousness & Sustainability	Apply sustainable practices and ESG (Environmental, Social, Governance) principles in business strategy, operations, and corporate social responsibility to support long-term ecological balance.
PO-6	Ethics & Professional Values	Demonstrate integrity, fairness, and accountability in business decisions and workplace environment, fostering a culture of ethical leadership and responsible management.
PO-7	Effective Scientific Communication	Communicate business insights, research findings, and strategic plans effectively through written reports, presentations, and digital platforms, suitable for diverse stakeholders.
PO-8	Modern Technological Applications	Leverage modern tools like MIS, AI, and data visualization, data analytics and accounting software for smarter business operations.
PO-9	Teamwork & Leadership in Research	Lead and collaborate in multidisciplinary teams, fostering innovation and collective problem-solving through effective coordination and motivational leadership.
PO-10	Lifelong Learning & Adaptability	Adapt to technological advancements, policy changes, and evolving market demands through continuous learning, upskilling, and reflective managerial practice.
PO-11	Project Management & Entrepreneurial Thinking	Plan and manage business projects efficiently while demonstrating entrepreneurial spirit to identify new opportunities, mitigate risks, and create value.
PO-12	Social & Community Engagement	Design and participate in inclusive development initiatives, CSR activities, and stakeholder-driven programs to contribute positively to

		society and underprivileged communities.
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Programme Specific Outcomes (PSOs)

After successful completion of the MBA program with a specialization in Rural Management, students will be able to:

PSO-1	Sustainable Rural Development and Resource Management	Demonstrate sensitivity towards the sustainable use of natural resources and implement village development plans that integrate environmental, cultural, and socio-economic dimensions.
PSO-2	Rural Leadership, Institutions, and Human Capital Development	Effectively engage with government bodies, NGOs, cooperatives, and community organizations to build rural human capacity and manage institutions for inclusive and participatory development in context with Gandhian ideology.
PSO-3	Technology, Research, and Entrepreneurship in Rural Contexts	Utilize research methodology, advanced technology, and entrepreneurial skills to address rural challenges, support local businesses, and align development practices with Indian knowledge systems and global trends.

CO Attainment Levels (OBE & NEP 2020 Aligned)

COs Attainment Levels	Level	Description	Attainment Criteria			
	Level 3	High	≥ 80% of students score above a set performance benchmark			
	Level 2	Moderate	60%–79% of students meet the performance benchmark			
	Level 1	Low	40%–59% of students meet the performance benchmark			
	Level 0	Not Attained	< 40% of students achieve the desired learning outcome			
Target Attainment (Benchmark)	COs		CO-1	CO-2	CO-3	CO-4
	Target Level (%)		60	60	60	60

**Program - M.A (Master of Rural Economics)
Semester- 1**

Course Code 256010411001	Name of Course Modern Micro Economics	Core
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO1: Evaluate the Methods of Studying Economics and Demand Analysis.

CO2: Develop the Skill to Evaluate the Interrelationships Between Production and Costs.

CO3: Develop the Ability to Apply Different Forms and Equilibriums in the Current Market.

CO4: Develop the Ability to Understand Oligopoly

Detailed Syllabus

Unit 1. Introduction to Micro Economics

- 1.1 Market: Definition, Types in Changing Times
- 1.2 Assumptions and their importance in Economics
- 1.3 Recent approaches to the Law of Demand
- 1.4 Types of Consumer Surplus

Unit 2 Production, Cost and Revenue

- 2.1 Short-run and long-run Laws of production and their implications
- 2.2 Product function and its application in practice
- 2.3 Production Costs: Types and interrelationships
- 2.4 Revenue and its concepts.

Unit 3. Market Equilibrium

- 3.1 Perfect Competition: Characteristics and Equilibrium
- 3.2 Monopoly: Characteristics and Equilibrium
- 3.3 Monopolistic Competition
- 3.4 Equilibrium Price, Efficiency, Output, Profit and Consumer satisfaction in Perfect Competition- Monopoly

Unit 4 Market Equilibrium

- 4.1 Oligopoly Concept and Characteristics
- 4.2 Classical and Collusive Models (Non-Price Competition)
- 4.3 Non-Collusive Models
- 4.4 Game Theory, Applications and Recent Development in Oligopoly Market

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	1	-	-	2	1	1	2	1	-	1.67				
CO-2	3	3	3	-	-	-	2	2	1	1	1	-	2.00				
CO-3	3	3	3	-	-	-	1	2	1	2	2	-	2.13				
CO-4	3	3	3	2	-	1	1	2	1	2	2	-	2.00				
Avg	3.00	2.75	2.75	1.50	-	1.00	1.50	1.75	1.00	1.75	1.5	-					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling

CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

Books:

1. .Amin, R. K. (2000). Principles of Value. Ahmedabad , University Book Publishing Board.
2. Trivedi, H.K. (2000). Principles of Economics: Value and Distribution. Ahmedabad , University Publication Board.
3. Varian, Hal R. (2015) – Microeconomic Analysis, WW Norton and Company, London.
4. Lipsey, Richard; Ragan, Christopher T.S.; Storer, Paul A. (2007) – Micro Economics (13th Edition), Pearson, USA.
5. Ahuja, H.L. (2000) – Advance Economic Theory, S. Chand and Co., Delhi.
6. Samuelson, P.A.; Nordhaus, W.D. (1998) – Economics, Tata MacGraw Hill, New Delhi.
7. Koutsoyiannis, A. (1990) – Modern MicroEconomics, MacMillan.
8. Prasad, K.N. (1985) – Lectures in Micro Economic Theory, Himalaya Publishing Co., Mumbai.
9. Henderson, J.M.; Quandt, R.E. (1980) – Micro Economic Theory: A Mathematical Approach, MacGraw Hill, New Delhi.

Stonier, A.W.; Hague, D.C. (1972) – A Textbook of Economic Theory, ELBS and Longman Group, London.

Online Resources & Tools:

- <https://www.core-econ.org/the-economy/>
- <https://openstax.org/books/principles-Economics-3e/pages/1-introduction>
- <https://www.introecon.com/>
- <https://www.thoughtco.com/microEconomics-4160496>
- <https://www.econlib.org/library/Topics/HighSchool/MicroEconomics.html>
- https://www.youtube.com/watch?v=HDz_HgjN6hM
- <https://www.youtube.com/watch?v=5uHMWn4DmnQ>
- <https://www.youtube.com/watch?v=CVU69ilTeUA>
- <https://www.youtube.com/watch?v=GzeRzr5J5Ng>

**Program - M.A (Master of Rural Economics)
Semester- 1**

Course Code 256010411002	Name of Course Public Economics	Core
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

Upon completion of the course, students shall be able to

- CO1:** Understand the Scope of the Current Welfare State and Public Economics from a Historical Perspective.
CO2: Understand the Problems of Public Choice and Practice in the Public Decision-Making Process, Including the Indian Federal System.
CO3: Understand the Approaches to Public Revenue and Public Expenditure.
CO4: Understand the Principles of Public Debt and the Experiences of India.

Detailed Syllabus

Unit 1: Welfare State: Concept and Role

- 1.1 Police state- welfare State: Meaning and Characteristic
 1.2 Role of State as Economic Planning and Development Agent
 1.3 Market Failures: Monopoly; Resources Waste; Social Justice
 1.4 Public Good: Private Good , Public Good, Merit Good

Unit - 2 Public Choice

- 2.1 Public and Private Goods in Resources Allocation and Social Equilibrium
 2.2 Locke Choice: Logical Voter's Choice Concept, Types of Polls; Arrow's Impossibility Theorem; Downs Model
 2.3 Public Choice: Civil Servant System and Management in Democracy, Public Choice and its Limitations
 2.4 India Federal Finance: Historical Perspective, Objectives, Structure

Unit – 3 Fiscal Policy and Tax

- 3.1 Fiscal Policy: Concept, Objectives, Tools
 3.2 Budget: Form, Type; Deficit and its Implications
 3.3 Direct and Indirect Tax, Role of Tax in Development. Economic Effect of Tax
 3.4 Tax Burden: Principles, Tax deduction: Concept, Principle, Effects

Unit - 4 Public Expenditure and Public Debt

- 4.1 Theories of Increasing State Activates
 4.2 Public Expenditure in Developing Countries.
 4.3 Public Expenditure in Indian economy
 4.3Public Debt: Internal and External sources, Debt Management in India

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	3	-	3	2	3	2	-	2	1	3	3	2.50				
CO-2	3	1	-	3	-	1	-	2	1	1	1	2	2.25				
CO-3	3	1	2	3	-	1	2	-	1	1	-	2	2.33				
CO-4	3	2	-	2	-	1	-	-	1	1	-	2	2.67				
Avg	3.00	1.75	2.00	2.75	2.00	1.50	2.00	2.00	1.25	1.00	2.00	2.25	1.96				

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

Curriculum Framework- Master of Rural Economics) - 2025

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling				
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation				
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling				
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
	CO-1	10	Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
CO-4	10	5	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-1	15	Term End Examination		
	CO-2	15	Term End Examination		
	CO-3	15	Term End Examination		
CO-4	15	Term End Examination			
References					

Books:

- Bhatt, M. (2012). Principles of Public Finance. Ahmedabad: University Publication Board.
- Trivedi, R. (1999). Principles of Public Economics. Ahmedabad: University Book Publishing Board.
- Bhatia, HL (2023). *Public finance* (31st ed.). New Delhi: Vikas Publication.
- Musell, R. M. (2019). *Understanding government budgets*. London: Routledge.
- Chen, G. G., Weikart, L. A., and Williams, D. W. (2014). *Budget tools: Financial methods in the public sector* (2nd ed.). Washington, DC: CQ Press.
- Atkinson, A. B., and Stiglitz, J. E. (2015). *Lectures on public Economics*. Princeton: Princeton University Press.
- Sheth. (2017). *Money, banking, international trade and public finance*.
- ingan, L. M. (2013). *Money, banking, international trade, and public finance* (8th ed.). New Delhi: Vrinda Publication.
- Stiglitz, J. (2000). *Economics of the public sector*. New York: W. W. Norton and Company.
- Jha, R. (1998). *Modern public Economics*. London: Routledge.

Online Resources & Tools:

- Ministry of Finance, Government of India.NIPFP, New Delhi.
<https://www.youtube.com/watch?v=kIai18LRm-Y>
<https://www.youtube.com/watch?v=9OYNqYOkgZw>
<https://www.youtube.com/watch?v=I4q3Zhk-Ue0>
<https://www.youtube.com/watch?v=cOIXBAvwT54>

**Program - M.A (Master of Rural Economics)
Semester- 1**

Course Code 256010411003	Name of Course Quantitative Methods in Economics	Core
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO1** Understand the Economic Uses of Mathematical Expressions.
CO2: Explain the Importance of Function Optimization, Higher-Order Derivatives, and Their Applications in Economics.
CO3: Apply Linear Programming and Understand the Use of Game Theory in Economics.
CO4: Understand the Meaning and Types of Index Numbers and Their Importance.

Detailed Syllabus

Unit 1. Mathematics

- 1.1 Derivation: Meaning, Types and Uses in Economics
 1. 2 Functional impairment
 1. 3 Meaning of Partial Diferential
 1. 4 Integration and its uses

Unit-2 . Mathematics - 2

- 2.1 Maximization and Minimization of Functions
 2.2 High-level disabilities
 2.3 Conditions for Finding Maximum and Minimum Value
 2.4 Uses in Economics

Unit 3. Mathematics– 3

- 3.1 Linear Programming: Concept Meaning and Use
 3.2 GameTheory
 3. 3Applications of Game Theory
 3.4 Examples of Different types of Game

Unit 4. Index and Time Series

- 4.1 Meaning and types of Indices
 4.2 Cost of Living Index
 4. 3 Time Serie and its components
 4.4 Time series: Structure and its Uses

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	-	-	-	1	-	-	-	-	-	2.00				
CO-2	3	2	-	-	-		2	-	-	-	-	-	2.33				
CO-3	3	2	-	-		-	2	-	-	-	-	-	2.33				
CO-4	3	2	-	-	-	-	-	-	2	-	-	-	2.33				
Avg	3	2	-	-	-	-	-	-	2	-	-	-					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation

CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling

Assessment Method

Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5

Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

References

Books:

Modi , R. J. (nd). Econometrics . Ahmedabad : University . Book production Board .
 Modi , R. J. (nd) . Mathematical Economics . Ahmedabad : University Book production Board .
 Modi , R. J. , Joshi , K. C. , and Shah , V. D. (nd) . Economics Quantitative O. Dr .: Anada Publication .
 Shah , Vimal . (nd). (Book title not specified). Ahmedabad : University. Book production Board
 Greene, WH (nd). Econometric analysis. New York: Pearson.
 Hayashi, F. (n.d.). Econometrics. Princeton: Princeton University Press.
 Cameron, AC, and Trivedi, PK (nd). Microeconometrics: Methods and applications. Cambridge: Cambridge University Press.
 Handry, AT (1999). Operation research. New Delhi: Prentice Hall of India.
 Mehta, S., and Madnani, G. (1992). Mathematics for economists. New Delhi: S. Chand Publishing.
 Chiang, A. C. (1974). Fundamental methods of mathematical Economics. New York: McGraw Hill.
 Yamane, T. (1973). Mathematics for economists. New Delhi: Prentice Hall.
 Monga, G. S. (1972). Mathematics and statistics for economists. New Delhi: Vikas Publishing House.

Online Resources & Tools:

https://www.youtube.com/watch?v=kapk_VLWrFk
<https://www.youtube.com/watch?v=ZP2QyLWEGHc>
https://www.youtube.com/watch?v=GxrxjM0bH7_w
<https://www.youtube.com/watch?v=m5FycBoKTuw>
<https://www.youtube.com/watch?v=AWY8KGgFH1I>
https://www.youtube.com/watch?v=S_YbdfdJAZc

**Program - M.A (Master of Rural Economics)
Semester- 1**

Course Code 256010411004	Name of Course Indian Economy	Core
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO1:** Understand India’s Regional Changes and Issues and Consider Modern Solutions.
CO2: Understand the Structure of India’s Economic Development and Policy.
CO3: Analyze Economic Problems of India and Explore Modern Solutions.
CO4: Explain the Global Position and Transformation of India.

Detailed Syllabus

Unit - 1 Sectoral changes in the Indian economy

- 1.1 Agricultural Sector: Productivity and Cropping Patterns, Challenges, Technological Changes, Chemical Farming and Natural Farming.
 1.2 Industrial Sector: Use of Artificial Intelligence (AI), Global Challenges and Industrial Policy
 1.3 Service Sector: Structure, Development, Role and Challenges for a Developed India
 1.4 Core infrastructure (Education, Health, Electricity, Water): Development, Issues and Policy

Unit - 2 Planning and economic transformation in India

- 2.1 Economic Planning: Meaning, Objectives and Limit
 2.2 NITI Aayog: Composition, Objectives, Strategy, Planning Commission and Planning Committee
 2.3 New Economic Policy: Components, Evaluation
 2.4 Privatization and Divestment

Unit. 3 Economic Problems of India

- 3.1 Population: Classification of Indian Population, Population and Human Resources, Human Investment and Population Returns, Economic Impact of Population Growth in India
 3.2 Poverty: Types, Measurement, Committees on Measuring Poverty Line, Government Policies for Poverty Eradication
 3.3 Unemployment: Types, Measurement, Policy Measures to Eliminate Unemployment
 3.4 Migration: Concept, Types, Causes and Effects.

Unit. 4 Indian Economy & Globalization

- 4.1 International Trade of India: Size, Structure and Direction (in last decade)
 4.2 Indian Trade Policy
 4.3 Sustainable Development Goals and Indian Economy
 4.4 Vision of Developed India

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	1	1	-	1	2	1	-	1	2	1.60				
CO-2	3	1	1	2	-	-	1	1	-	1	-	1	1.38				
CO-3	2	3	2	3	-	1	-	3	1	2	-	2	2.11				
CO-4	3	2	1	-	2	1	-	2	-	-	-	1	1.71				
Avg	2.75	2.00	1.50	2.00	1.50	1.00	1.00	2.00	1.00	1.50	1.00	1.50					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
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Curriculum Framework- Master of Rural Economics) - 2025

CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling

Assessment Method

Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5

Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
	CO-4	15			

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IGNOU eGyankosh – MA Economics Notes. <https://egyankosh.ac.in>
<https://www.youtube.com/watch?v=ZkC5FHraXF4>
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<https://www.youtube.com/watch?v=j5SIVW7mzkA>
https://www.youtube.com/watch?v=ZawvY08cF_Q

**Program - M.A (Master of Rural Economics)
Semester- 1**

Course Code 256010411005	Name of Course Agricultural Economics -1	Core
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

CO1: Understand the Elements of Agricultural Economy, Its Forms, Features, Agricultural Productivity, and Labor Market.

CO2: Analyze Land Management, Agricultural Transformation, and Technology-Driven Change in the Agricultural Sector.

CO3: Evaluate the Functioning of Agricultural Markets, Pricing Policies, and the Effectiveness of the Public Distribution System.

CO4: Acquire and Apply Knowledge of Modern Trade Techniques Related to Agriculture.

Detailed Syllabus

Unit 1 Agricultural Economics

- 1.1 Meaning - Form - Features
- 1.2 Agricultural Production Function: Factors of Production; Factor-Factor function.
- 1.3 Agricultural production and productivity.
- 1.4 Agricultural Labor Market of India: Demand and Supply

Unit 2 The Process of Agricultural Transformation

- 2.1 Land Use Classification and Ownership agriculture (Peasant, Capitalist , collective and state agriculture)
- 2.2 Land Yield in India and the reasons for Low Productivity
- 2.3 Agricultural Transformation : Meaning, Importance, Role of Technology in Agricultural Transformation
- 2.4 Contract Farming and Corporate Farming, Organic Farming and Natural Farming

Unit 3 Agricultural Market and Pricing Policy

- 3.1 Agricultural Markets and Market Efficiency, Imperfections in the Market Structure.
- 3.2 Regulated Markets, The Cobweb Theorem in the context of Agricultural Pricing.
- 3.3 State Policy in Agricultural Marketing, Storage, agricultural taxes and Crop Insurance.
- 3.4 agricultural Price policy, Public Distribution System and Food Security.

Unit 4 Technological Changes and in Agriculture

- 4.1 E-marketing of Agricultural Products .
- 4.2 International Market for Agricultural Products
- 4.3 Modern Agriculture- Farm Budgeting and Management.
- 4.4 Fisheries, Poultry Farming and Beekeeping

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	2	2	2	1	-	1	1	1	2	1.73				
CO-2	3	3	2	3	2	2	2	1	1	1	1	2	1.92				
CO-3	3	3	3	3	2	3	2	1	-	2	2	3	2.45				
CO-4	3	3	3	3	3	3	2	1	1	2	2	3	2.42				
Avg	3.00	2.75	2.50	2.75	2.25	2.50	1.75	1.00	1.00	1.50	1.50	2.50					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation

CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling				
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

Books:

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<https://www.youtube.com/watch?v=qzGy95Cj9WQ>
<https://www.youtube.com/watch?v=7gbHMOwDrM4>

**Program - M.A (Master of Rural Economics)
Semester- 1**

Course Code 256010411006	Name of Course Health Economics-1	Optional
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO1:** Understand the Nature, Scope, and Relationship of Health Economics to Other Sciences.
CO2: Conduct Economic Studies of Public Health, Market Failures, Supply and Demand, and Insurance.
CO3: Recognize Health as a Public, Valued, and Private Good and Understand the Economic Aspects of Maternal and Child Health.
CO4: Analyze the Relationship Between Health Expenditure and Human Investment from the Perspective of a Developed India 2047.

Detailed Syllabus

Unit 1 Introduction to Health Economics

- 1.1 Nature of Health Economics and Public Health
- 1.2. Scope of Health Economics
- 1.3. Analysing Health Economics
- 1.4. Relationship between Health Economics and Other Social Sciences

Unit 2 Demand and Supply of Health Economics

- 2.1 Public Health and Market Failure
- 2.2 Health and Spread Effects.
- 2.3. Economical Analysis and Health Demand
- 2.4 Health Insurance

Unit 3 Health Of the dead Miscellaneous Perspective

- 3.1 Health as Public Good
- 3.2 Health Appraiser Item
- 3.3 Health as Private Good
- 3.4 Maternal and Child Health Care: An Economic Perspective

Unit 4 Health Spending and Human Investment

- 4.1 Health Spending and Human Investment
- 4.2 Health Spending: Productivity Growth and Human Labour Cost Reduction
- 4.3 Developed India 2047 and Health Investment
- 4.4 Food Security

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	2	2	2	3	2	1	2	1	2	1	1	2	1.75				
CO-2	3	3	3	2	3	2	2	1	2	1	2	2	2.17				
CO-3	2	2	2	2	2	3	3	1	2	2	2	3	2.17				
CO-4	2	3	3	3	3	2	2	1	3	2	3	3	2.50				
Avg	2.25	2.50	2.50	2.50	2.50	2.00	2.25	1.00	2.25	1.50	2.00	2.50					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling

CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

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Benerjee, B. (1975). *Social, Cultural and Foundation of Health Services Systems of India*, Inquiry, Supplement to Vol. XII June.

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Program - M.A (Master of Rural Economics)		
Semester- 1		
Course Code	Name of Course	Optional
256010411007	Economics of Co operation-1	
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60
Course Outcomes (COs)		
<p>CO1: Understand the Core Principles of Cooperation, Development, and Various Perspectives.</p> <p>CO2: Develop the Skill to Assess Cooperation as an Instrument for Economic Development.</p> <p>CO3: Evaluate the Cooperation Model in Its Current State.</p> <p>CO4: Examine the Status of Cooperative Activity in the Context of India.</p>		
Detailed Syllabus		
<p>Unit 1. Concept of Cooperation</p> <p>1.1 Concept, Evolution and Development of Cooperation</p> <p>1.2 Economic aspects of Cooperation, Social and Ethical Perspective</p> <p>1.3 Principles and Values of Cooperation</p> <p>1.4 Emergence of Cooperative Activity in India</p>		
<p>Unit 2. Management and Comparison of Cooperation</p> <p>2.1 Management of a Cooperative Society.</p> <p>2.2 Cooperation as a Trade unit</p> <p>2.3 Cooperation vis-a-vis Capitalism and Socialism</p> <p>2.4 Cooperation in Planning</p>		
<p>Unit 3. Models of Cooperation</p> <p>3. 1 Raiffeisen Model, Schulze-Delitzsch model</p> <p>3.2. Amul model</p> <p>3.3. Current Status of Cooperative System</p> <p>3.4. Cooperation at the international level in the 21st Century</p>		
<p>Unit- 4 Evaluation of Cooperation</p> <p>4.1 Cooperative System in India Structure</p> <p>4.2 Forms of Cooperation</p> <p>4.3 Achievements and Limitations of Cooperative Activity in India</p> <p>4.4 Field-based study</p>		

Mapping Matrix of POs, PSOs, and COs																	
COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	2	-	2	2	1	2	2	1	2	1.91				
CO-2	3	3	3	2	-	2	2	1	2	2	2	2	2.18				
CO-3	2	2	2	3	-	3	3	-	3	2	2	3	2.50				
CO-4	3	3	2	3	-	2	2	1	3	3	3	3	2.55				
Avg	2.75	2.50	2.25	2.50	-	2.25	2.25	1.00	2.50	2.25	2.00	2.50					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy	
CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling

Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

References

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<https://uwcc.wisc.edu/>
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<https://www.fao.org/cooperatives>
<https://www.youtube.com/watch?v=otEardrSia4>
<https://www.youtube.com/watch?v=zSK56TTCE-k>
<https://www.youtube.com/watch?v=7IBpS1iTG7Y>
<https://www.youtube.com/watch?v=GN08IGfQ0w>

**Program - M.A (Master of Rural Economics)
Semester- 2**

Course Code 256010411009	Name of Course Modern Macro Economics	Core
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO1:** Explain Core Economic Concepts and the Importance of Income and Employment.
CO2: Evaluate the Importance of Consumption and Its Economic Implications.
CO3: Understand the Importance of Investment, Finance, and the Trade Cycle in the Economy.
CO4: Develop an Understanding of National Income and the Causes of Inflation.

Detailed Syllabus

Unit 1 Classical Economic Approaches

- 1.1 Income and Employment Approach
 1.2 Savings-Interest Rate, Theory of Investment Determination
 1.3 Difference between Classical and Neo-classical Approach
 1.4 Advanced Economic Model: Assumptions, Equilibrium, Limitations

Unit 2 Keynes Economics

- 2.1 Consumption Function of Keynes - Empirical Testing and Implications
 2.2 Keynesian Income and Employment Equilibrium, Life Cycle and Permanent Income Hypothesis,
 2.3 Marginal Efficiency of Capital: Measurement, Impact, Factors affecting MEC, Concept of Accelerator
 2.4 Rate of Interest in Keynesian Approach

Unit 3 Keynesian Approach to Money and Real Market Equilibrium

- 3.1 Keynesian Approach: IS - LM model
 3.2 Changes in IS - LM model
 3.3 Trade Cycle: Concept and aspects
 3.4 Trade Cycle Approaches: Karl Marx, Schumpeter, Hayek, Hicks

Unit 4 National Income, Unemployment and Inflation

- 4.1 National Income: Measurement, Importance, Limitations,
 4.2 Unemployment: Concept, Measurement, Natural Rate of Unemployment, Full Employment
 4.3 Phillips Curve and Tradeoff between Inflation and Unemployment: General Price Level
 4.4 Inflation Concept, Causes, Measurement, Control

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	-	-	2	-	-	-	2	-	-	-	-	2.33				
CO-2	3	2	-	-	-	-	-	2	-	-	-	-	2.33				
CO-3	3	-	-	-	-	-	-	2	-	2	-	2	2.25				
CO-4	3	2	-	2	-	-	1	2	2	-	-	2	2.00				
Avg	3	2	-	-	-	-	-	-	2	-	-	-					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling

CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

Books:

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Online Resources & Tools:

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- <https://www.youtube.com/watch?v=BkNVbIOFnoQ&list=PLfORSyPTUEKp8ECno63nnmu02beGOfn9>
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<https://www.youtube.com/watch?v=7hnT2JpXZYc>

https://www.youtube.com/watch?v=g-wOXmYgY_o

<https://www.youtube.com/playlist?list=PLKeynes-ISLM-Phillips-NationalIncome>

Program - M.A (Master of Rural Economics)		
Semester- 2		
Course Code 2560104110010	Name of Course Theory of International Trade	Core
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60
Course Outcomes (COs)		
CO1: Gain a Basic Introduction to the Principles of International Trade.		
CO2: Understand the Factors that Determine the Terms of Trade Between Developing and Developed Countries.		
CO3: Understand the Meaning of Balance of Payments and Its Components and Nature in a Country.		
CO4: Understand the Meaning of Exchange Rate and Its Determination.		
Detailed Syllabus		
Unit 1 Theory of International Trade		
1.1 Core Theories of International Trade		
1.2 Haberler's Opportunity Cost Oheory		
1.3 Theory of Hecker- Ohlin		
1.4 Factor Price Equality Theorem		
Unit 2 Measuring the Benefits of International Trade and Economic Cooperation		
2. 1. Rybzinski's theorem		
2. 2 International Trade under Imperfect Competition		
2. 3. Terms of Trade		
2. 4 Custom Union and its effects		
Unit 3 Balance of Payments		
3. 1. Meaning of Balance of Trade and Balance of Payment		
3. 2. Balance of Payments Equilibrium		
3. 3. Causes of In-equilibrium in Balance of Payment		
3. 4 Policies to Reduce Imbalances.		
Unit 4 Exchange Rate Determination		
4. 1 .Exchange Rate: Definition		
4. 2. Foreign Rrade Multiplier		
4. 3. Fixed and Floating Exchange Rates		
4.4. Contemporary Market, Futures Market; Speculation and Exchange Trading		

Mapping Matrix of POs, PSOs, and COs																	
COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	2	3	1	2	2	-	-	-	2	3	2	2	2.11				
CO-2	3	3	2	2	-	1	2	-	-	2	1	1	1.89				
CO-3	2	3	1	3	2	1	-	2	2	-	-	2	2.00				
CO-4	3		3	2	3	1	-	-	-	2	1	3	2.25				
Avg	2.75	2.67	1.75	2.25	2.33	1.00	2.00	2.00	2.00	2.33	1.33	2.00	2.03				

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy	
CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling

Assessment Method					
Continuous Comprehensive Evaluation	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
40 Marks	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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**Program - M.A (Master of Rural Economics)
Semester- 2**

Course Code 256010411011	Name of Course Research in Social Sciences	Core
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO1:** Understand the Theoretical Nature of Research in Social Sciences.
CO2: Learn the Research Process in Social Sciences.
CO3: Understand Methods of Data Collection and Analysis for Research.
CO4: Learn the Process of Hypothesis Testing and Research Report Writing.

Detailed Syllabus

Unit 1: Research in Social Sciences

- 1.1 Definition and Characteristics of Social Research
- 1.2 Importance of Research in Social Sciences
- 1.3 Theory and research
- 1.4 Social research Form

Unit – 2: Research Process and Outline

- 2.1 Stages of the Research
- 2.2 Research Proposal: Structure and Importance
- 2.3 Research Outline: Concept, Features, Structure and Important
- 2.4 Population and Sample: Meaning, Characteristics and Types

Unit – 3: Data Collection and Analysis

- 3.1 Variable: Meaning and Types
- 3.2 Data: Meaning, Types and Sources
- 3.3 Data Collection Techniques : Interview, observation and questionnaire
- 3.4 Measurement Standards and selection

Unit – 4: Hypothesis Testing and Report Writing

- 4.1 Hypothesis: Concept , Types and Testing Techniques (T, Chi-square, F)
- 4.2 Dos and Don'ts in Report Writing
- 4.3 Structure and Stages of report writing
- 4.4 Plagiarism, Ethics in Research and reference writing

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	1	3	-	-	-	-	-	2	1	-	2.00				
CO-2	3	3	2	3	-	1	-	1	-	3	2	1	2.11				
CO-3	3	3	3	3	-	2	2	3	3	3	3	2	2.73				
CO-4	3	2	3	3	-	-	1	3	3	2	3	-	2.56				
Avg	3.00	2.50	2.25	3.00	-	1.50	1.50	2.33	3.00	2.50	2.25	1.50					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling

CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

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<https://www.youtube.com/watch?v=IJofS0JYIT8>

**Program - M.A (Master of Rural Economics)
Semester- 2**

Course Code 256010411012	Name of Course Economic Thought of M. K. Gandhi	Core
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO1 Explain Gandhi’s Moral Man, Principles, and Economic Concepts.
 CO2 Analyze Gandhian Perspectives on Production, Consumption, and Distribution.
 CO3 Evaluate Contributions of Gandhian Economists.
 CO4 Assess Ideas from Hind Swaraj and Their Relevance to Current Economy.

Detailed Syllabus

Unit - 1: Introduction to Gandhi’s Economic Thoughts

- 1.1 Gandhi’s Moral Man: Principles and System of Economic Thought
- 1.2 Economic Thought of M. K. Gandhi: Sarvodaya, Swadeshi, and Self-Reliance
- 1.3 The Concept of Development in Gandhian Thought: Social Welfare
- 1.4 Economic and Environmental Balance in Gandhian Thought

Unit - 2: Gandhian Perspective on Production, Consumption, and Distribution

- 2.1 Decentralized Production System in the Context of Production
- 2.2 Khadi, Village Industries, and Machine Limitations
- 2.3 Consumption and Gandhian Thought: Control over Desire and Voluntary Poverty
- 2.4 Trusteeship, Social Justice, and Egalitarian Understanding in Gandhian Thought

Unit - 3: Gandhian Economists

- 3.1 J. C. Kumarappa and Dhananjay Ramachandra Gadgil
- 3.2 Srimannarayana and J. K. Mehta
- 3.3 Ernst Friedrich Schumacher and Alvin Toffler
- 3.4 Mark Lindley and Joseph Stiglitz

Unit - 4: Hind Swaraj

- 4.1 Reading
- 4.2 Features and Consequences of Western Reforms Introduced in Hind Swaraj
- 4.3 True Education and Hindustan
- 4.4 Current Economy and Hind Swaraj

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	-	3	1	3	3	-	1	2	1	3	2.1				
CO-2	2	1	-	3	3	3	1	-	1	1	2	3	1.9				
CO-3	3	3	-	3	1	3	2	-	2	2	1	2	2.1				
CO-4	3	3	-	2	2	3	3	-	1	2	1	3	2.2				
Avg	2.75	2.25	-	2.75	1.75	3.00	2.25	-	1.25	1.75	1.25	2.75					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling

Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

References

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**Program - M.A (Master of Rural Economics)
Semester- 2**

Course Code 2560104110013	Name of Course Agricultural Economics-2	Optional
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO.1** understand the structure, production and labour issues of the Indian agricultural sector.
- CO.2** gain knowledge regarding process of agricultural transformation and different types of modern farming.
- CO.3** analyze issues related to agricultural markets and pricing policy.
- CO.4** gain an understanding of technology and policies against climate change in the agricultural sector.

Detailed Syllabus

Unit 1 Agriculture in Indian Economy

- 1.1. Fragmentation and Division of land : Non-economic unit
1. 2. Trends in agricultural production and productivity in India
1. 3. Factors affecting agricultural productivity in India
1. 4. Problems and possible solutions of agricultural workers in India

Unit 2 Agricultural transformation In India

2. 1 process of agricultural transformation in India after independence
2. 2. Soil Fertility in India - Issues and Solutions
2. 3. Experiments in cooperative farming, contract farming and corporate farming
2. 4 . Experiments in organic farming and natural farming in India

Unit 3 Agricultural Market and Pricing in India

3. 1. Imperfections in the market structure and measures to address them
3. 2. Benefits of a regulated market
3. 3 Agricultural produce – Factors affecting the bargaining power of farmer
- 3.4. Agricultural Marketing

Unit 4 Impact of Modern technology on Agriculture

- 4.1. Digital technology application in agriculture sector (e-Choupal etc.)
- 4.2. Modern farming experiments (greenhouses, modern irrigation etc.)
4. 3. Climate change and the resilience of Indian agriculture
4. 4. Unit Study : Agricultural Science Center Valsad, NICRA Project

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	1	2	1	1	1	-	-	1	1	3	1.60				
CO-2	3	3	2	3	2	2	1	1	1	2	3	3	2.17				
CO-3	3	3	3	3	2	2	2	1	1	2	3	3	2.33				
CO-4	3	3	3	3	2	2	2	2	2	3	3	3	2.58				
Avg	3.00	2.75	2.25	2.75	1.75	1.75	1.50	1.33	1.33	2.00	2.50	3.00					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling

CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

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Program - M.A (Master of Rural Economics)		
Semester- 2		
Course Code 2560104110014	Name of Course Health Economics-2	Optional
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60
Course Outcomes (COs)		
Detailed Syllabus		
Unit 1 Health: Demand and Supply		
1.1 Determination for Demand and Supply of Health		
1.2 Vicious Cycle of Low Hygienic		
1.3 Interdependence of Health Services and Poverty		
1.4 Human Investment: Private and Public Health		
Unit-2 Determination of Health Standard		
2.1 Private and public health spending		
2.2 Output Indicator, Health Service Availability Indicators		
2.3 Status of health Indicators in Development Indicators		
2.4 Health related International and National Survey Reports		
Unit- 3 Health Standards in India		
3.1 Health Expenditure in Planning Period in India		
3.2 Comparison between Internal and International Health Indicators		
3.3 Evaluation of various Schemes for Health Services by State and Central Government.		
3.4 Health Goals for MDGs. SDGs.		
Unit- 4 Economic Perspective of selected Health Schemes in India		
4.1 Janani Suraksha Yojana		
4.2 Dudh Sanjeevani Yojana		
4.3 Pradhan Mantri Jan Arogya Yojana		
4.4 Accidental Disability Assistance Scheme		

Mapping Matrix of POs, PSOs, and COs																	
COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	2	1	2	2	-	2	2	1	2	1.91				
CO-2	3	3	3	2	-	2	2	-	2	2	2	2	2.30				
CO-3	2	2	2	3	-	3	3	-	3	2	2	3	2.50				
CO-4	3	3	3	3	-	2	2	-	3	3	3	3	2.80				
Avg	2.75	2.50	2.50	2.50	1.00	2.25	2.25	-	2.50	2.25	2.00	2.50					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy	
CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling
Assessment Method	
	COs Marks Exam Component

Curriculum Framework- Master of Rural Economics) - 2025

Continuous			Class Test	Assignment	Presentation
Comprehensive Evaluation 40 Marks	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

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Program - M.A (Master of Rural Economics)		
Semester- 2		
Course Code 2560104110015	Name of Course Economics of Cooperation-2	Optional
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60
Course Outcomes (COs)		
<p>CO.1 Understand the complete process of formation and administration of a cooperative society.</p> <p>CO.2 Develop an understanding of law, regulations, and governance in cooperative management.</p> <p>CO.3 Evaluate state-level cooperative units and analyze their functions.</p> <p>CO.4 Examine the relevance, challenges, and potential solutions for the cooperative sector through case studies and unit analysis.</p>		
Detailed Syllabus		
<p>Unit 1 Management of Cooperation</p> <p>1.1 Registration process for Forming a cooperative society.</p> <p>1.2 Executive Committee and its functions</p> <p>1.3 Duties and functions of the President and Secretary</p> <p>1.4. Ordinary General Meeting - Functions and Duties</p>		
<p>Unit 2 Cooperative Polices.</p> <p>2.1 Role and form Cooperatives</p> <p>2.2 Basic Principles of Cooperation</p> <p>2.3 New Cooperative Policy, 2025</p> <p>2.4 Specificity of the Policy</p>		
<p>Unit 3 Cooperative Organisations</p> <p>3.1 Gujarat Co- operative Milk Marketing Federation Ltd. (GCMMF)</p> <p>3.2 National Dairy Development Board(NDDDB)</p> <p>3.3 Gujarat State Agriculture And Rural Development Bank</p> <p>3.4 National Bank for Agriculture and Rural Development (NABARD)</p>		
<p>Unit 4 Cooperative Dairy Sector in Gujarat</p> <p>4.1 White Revolution: Emergence and Impact</p> <p>4. Gujarat Cooperative Dairy Sector</p> <p>4.3 Challenges against Cooperative Dairy</p> <p>4.4 Study visit to a Dairy Unit</p>		

Mapping Matrix of POs, PSOs, and COs																	
COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	2	-	2	-	-	2	2	2	2	2.11				
CO-2	3	3	3	2	-	3	1	-	2	2	2	2	2.30				
CO-3	2	2	2	3	-	2	1	1	3	2	2	2	2.00				
CO-4	3	3	2	3	-	2	1	1	3	3	3	3	2.45				
Avg	2.75	2.50	2.25	2.50	-	2.25	1.00	1.00	2.50	2.25	2.25	2.25					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy	
CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling

CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

Books:

Mulani , Jagdish . (2009). Cooperation - Festival . Ahmedabad : Gurjar. Publication .
 Cooperation Principle And Transactions . (2015). Ahmedabad : Popular. Publication .
 Desai , Has Mukh . (2012). Milk Festival . Ahmedabad : Gurjar. Publication .
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Online Resources & Tools:

<https://www.ica.coop/>
<https://www.india.gov.in/topics/agriculture/cooperatives>
<https://uwcc.wisc.edu/>
<https://www.fao.org/cooperatives>
<https://www.fao.org/cooperatives>
<https://www.youtube.com/watch?v=otEardrSia4>
<https://www.youtube.com/watch?v=zSK56TTCE-k>
<https://www.youtube.com/watch?v=V1WOSrKjeVo>
<https://www.youtube.com/watch?v=BM7587v-GzM>

Program - M.A (Master of Rural Economics)		
Semester- 3		
Course Code	Name of Course	Core
2560104110017	International Financial Systems	
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60
Course Outcomes (COs)		
CO.1 Gain knowledge about international liquidity and the Bretton Woods Agreement.		
CO.2 Understand the role and functions of international financial institutions.		
CO.3 Acquire knowledge of India's foreign trade policy.		
CO.4 Learn about India's position and status in the global economy.		
Detailed Syllabus		
Unit 1 : International Monetary system		
1.1 Rise and Collapse of Gold Standard		
1.2 Brittonwoods System: Rationale and Impact on International Trade		
1.3 International Liquidity: Concept, Challenges		
1.4 Movement of Capital		
Unit 2: Financial institutions		
2.1 World Bank		
2.2 International Monetary Fund		
2.3 Asian Development Bank		
2.4 World Trade Organization		
Unit 3 : Foreign Trade Policy of India		
3.1 Foreign Trade Policy: Meaning and Importance		
3.2 Import Policy: Definition, Arguments in Favour and Against Import Policy		
3.3 Export Policy Definition, Arguments in Favour and Against Export Policy		
3.4 International Trade Policy Accounts		
Unit 4: Foreign Debt and the Global Economy		
4.1 Foreign Debt of India: State and Consequences of Increasing Foreign Debt		
4.2 Global Economy: Non-economic Factors of affecting Global Economy		
4.3 Forms of Global Economy in Contemporary World		
4.4 State of Global Economy		

Mapping Matrix of POs, PSOs, and COs																	
COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	1	2	2	-	-	-	2	3	2	2	2.11				
CO-2	3	3	2	2	-	1	2	-	-	2	1	1	1.89				
CO-3	2	3	1	3	2	1	-	2	2	-	-	2	2.00				
CO-4	3		3	2	3	1	-	-	-	2	1	3	2.25				
Avg	2.75	2.67	1.75	2.25	2.33	1.00	2.00	2.00	2.00	2.33	1.33	2.00	2.03				

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy	
CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling

Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
CO-4	10	5	--	5	
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

Books:

M. N. Rawal . (2000). Economic . Principles . Ahmedabad : University Book production Board .
 Shastri , R. V. (1984-85) . International Economics . Surat : Popular Publication .
 Trivedi , H. K. (1982). International . Trade Finance Ahmedabad : University Book production Board .
 Trivedi , H. K. (1980). International . Trade Policy . Ahmedabad : University Book production Board .
 Lakdawala , D. T. , and Shah , Ramesh B. (1977). International Economics . Ahmedabad : University Book production Board .
 Krugman, P., and Obstfeld, M. (2007). International Economics. New Delhi: Pearson.
 Sodersten, B., and Reed, G. (2008). International Economics. London: Macmillan Press Ltd.
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 Bhagwati, J. (Ed.). (1981). International trade: Selected readings. Cambridge: Cambridge University Press.
 Dixit, A. (n.d.). The theory of international trade.
 Krugman, P. R., and Obstfeld, M. (n.d.). International Economics: Theory and policy.
 Salvatore, D. (n.d.). International Economics.
 Krugman, P. R., Obstfeld, M., and Melitz, M. (n.d.). International Economics.

Online Resources & Tools:

<https://ocw.mit.edu/courses/14-581-international-Economics-i-spring-2013/>
<https://www.oercommons.org/courses/international-Economics-theory-and-policy>
<https://www.core-econ.org/the-economy/>
<https://wps.pearsoned.com/krugmanmelitz8e/>
<https://www.youtube.com/watch?v=DN4Jh2Occ7E>
https://www.youtube.com/watch?v=wjmfIXv_FBI
<https://www.youtube.com/watch?v=XKZr5U9lPKk>
<https://www.youtube.com/watch?v=F3EgImj89qo>

**Program - M.A (Master of Rural Economics)
Semester- 3**

Course Code 2560104110018	Name of Course Environmental Economics	Core
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO.1** Gain knowledge about Environmental Economics.
- CO.2** Apply various methods to measure and quantify environmental degradation.
- CO.3** Develop the ability to evaluate environmental policies and propose practical solutions.
- CO.4** Prepare reports based on innovative solutions for environmental issues.

Detailed Syllabus

Unit 1 Introduction to Environmental Economics

- 1.1 Environmental Economics: Definitions, Scope and relation with Other Social and Pure Sciences
- 1.2 Market Failure: Forms of Market Failure

Unit 2 Environmental Valuation and Policy

- 2.1 Economic valuation of Environmental Resources Concept and Importance
- 2.2 Types of Environmental Valuation
- 2.3 Environmental Project: Cost Benefit Analysis
- 2.4 Environmental Impact Analysis, Environmental Assessment

Unit 3 Environmental Policy

- 3.1 Environmental Policy: Meaning, Criteria and Operative Principles
- 3.2 Decentralized and Centralized Policy: Definition and Instruments
- 3.3 Market-based Economic Policy: (Price Rationing and Quantitate Rationing)
- 3.4 Indian Environmental Policy and Evaluation

Unit 4 Environmental degradation (pollution) and protection

- 4.1 Global Environmental Movements, Agreements and Treatie
- 4.2 Fieldwork based Assignment

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	3	1	1	3	1	-	2	-	-	-	2	2.00				
CO-2	3	3	2	2	3	2	-	2	-	-	2	2	2.33				
CO-3	3	3	2	2	3	2	-	2	-	-	2	2	2.33				
CO-4	2	3	3	3	3	2	2	2	1	2	3	3	2.42				
Avg	2.75	3.00	2.00	2.00	3.00	1.75	2.00	2.00	1.00	2.00	2.33	2.25					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling

Assessment Method

Continuous	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation

Curriculum Framework- Master of Rural Economics) - 2025

Comprehensive Evaluation 40 Marks	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

Books:

- Rangarajan, M. (2007). *Environmental issues in India: A reader*. Pearson Education.
- Kumar, P. (Ed.). (2005). *Economics of environment and development*. Ane Books.
- Murty, M. N., and Kumar, S. (2004). *Environmental and economic accounting for industry*. New Delhi: Oxford University Press.
- Field, B., and Field, M. (2002). *Environmental Economics: An introduction*. New Delhi: Tata McGraw Hill.
- Sankar, U. (Ed.). (2001). *Environmental Economics*. New Delhi: Oxford University Press.
- Markandya, A., and Richardson, J. (Eds.). (1997). *Environmental Economics*. London: Earthscan.
- Hanley, N., Shogren, J. F., and White, B. (1997). *Environmental Economics in theory and practice*. London: Macmillan.
- Fisher, A. C. (1981). *Resource and environmental Economics*. Cambridge: Cambridge University Press.

Online Resources & Tools:

<https://www.oecd-ilibrary.org/environment>

<https://www.nber.org/programs-projects/programs-working-groups/environment-and-energy-Economics>

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

<https://www.unep.org/resources>

<http://www.env-econ.net/>

<https://www.eli.org/>

<https://www.youtube.com/watch?v=j3A1PCURfRo>

<https://www.youtube.com/watch?v=l8EuoPsTTfc>

<https://www.youtube.com/watch?v=9y5hcuI0chs>

<https://www.youtube.com/watch?v=8f8ev7YRDpo>

**Program - M.A (Master of Rural Economics)
Semester- 3**

Course Code 2560104110019	Name of Course Rural Economics	Core
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO1 Explain the Concepts, Scope, and Significance of Rural Economics.
- CO2 Understand the Agricultural and Non-Agricultural Sectors and Their Development Challenges.
- CO3 Analyse Rural Infrastructure and Its Role in Economic Development.
- CO4 Evaluate the Core Problems of the Rural Economy and the Effectiveness of Development Schemes.

Detailed Syllabus

Unit - 1: Introduction to Rural Economics

- 1.1 Meaning, Form, Significance and Characteristics
- 1.2 Scope of Rural Economics
- 1.3 Importance of Agricultural-Related Systems (Animal Husbandry and Dairying, Forestry, Fisheries, etc.)
- 1.4 Agriculture-related Trade – Issues and Solutions

Unit - 2: Non-Agricultural Sector

- 2.1 Meaning, Importance
- 2.2 Employment, Productivity, Income in Non-Farm Sectors
- 2.3 Development of Non-Agricultural Sectors in India – Problems
- 2.4 Role of the State

Unit - 3: Rural Infrastructure

- 3.1 Form, Transportation, Communication, Banking, Extension Services
- 3.2 Rural Electrification
- 3.3 Rural Social Infrastructure: Education and Health
- 3.4 Infrastructure: Issues and Policy

Unit - 4: Basic Problems of Rural Economy and Various Schemes for Development

- 4.1 Poverty, Unemployment – Migration: Forms, Measurement, Causes and Effects
- 4.2 SFDA, MFALA, DPAP, DDP, IRDP, DWCRA, SYSG, NREGA Assessment
- 4.3 Rural Unemployment and Labor Migration
- 4.4 Contribution of Voluntary Organizations in Rural Development -Role of Gramshilpi

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	2	1	2	1	-	1	1	-	2	1.70				
CO-2	3	3	2	3	2	2	2	-	1	1	-	2	2.10				
CO-3	3	3	3	3	2	2	2	1	2	2	1	3	2.25				
CO-4	3	3	3	3	1	3	2	1	2	2	-	3	2.36				
Avg	3.00	2.75	2.50	2.75	1.50	2.25	1.75	1.00	1.50	1.50	1.00	2.50					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation

CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling				
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
CO-4	10	5	--	5	
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
CO-4	15				
References					

Books:

Kumar, P. (Ed.). (2005). *Economics of environment and development*. New Delhi: Ane Books.
 Rangarajan, M. (2007). *Environmental issues in India: A reader*. New Delhi: Pearson Education.
 Murty, M. N., and Kumar, S. (2004). *Environmental and economic accounting for industry*. New Delhi: Oxford University Press.
 Field, B., and Field, M. (2002). *Environmental Economics: An introduction*. New Delhi: Tata McGraw Hill.
 Sankar, U. (Ed.). (2001). *Environmental Economics*. New Delhi: Oxford University Press.
 Markandya, A., and Richardson, J. (Eds.). (1997). *Environmental Economics*. London: Earthscan.
 Hanley, N., Shogren, J. F., and White, B. (1997). *Environmental Economics in theory and practice*. London: Macmillan.
 Fisher, A. C. (1981). *Resource and environmental Economics*. Cambridge: Cambridge University Press.

Online Resources & Tools:

<https://www.youtube.com/playlist?list=PLGpgVkVJH48NsXqtiUAhqpmN705cctgE->
https://www.youtube.com/watch?v=nsAfG_KBYEo
<https://www.youtube.com/watch?v=Ltf5BM2dDms>
<https://www.youtube.com/watch?v=FdBvx8o4GV4>

Program - M.A (Master of Rural Economics)		
Semester- 3		
Course Code	Name of Course	Optional
2560104110020	Economics of Education	
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60
Course Outcomes (COs)		
CO1 Explain the Importance and Challenges of Education in the Economy.		
CO2 Analyse the Economic Returns of Education.		
CO3 Understand Education Finance and Its Status in India.		
CO4 Evaluate the Structure and Policy Arrangements of Education.		
Detailed Syllabus		
Unit - 1: Education and Economy		
1.1 Importance and Challenges of Education in Indian Economy		
1.2 Economic Returns to Education		
1.3 Status of Education Finance in India		
1.4 Education Structure and Finance Arrangements		
Unit - 2: Human Capital and Investment		
2.1 Human Capital and Physical Capital: Contribution to Economic Development		
2.2 Factors Affecting Impact of Human Capital Investment		
2.3 Theoretical Approaches to Rate of Compensation		
2.4 Rate of Compensation of Human Investments: Case Studies		
Unit - 3: Education Policy, Arrangement and Structure in India		
3.1 Education Policy in India (1986, 2020)		
3.2 Education Structure in India: Public, Private and Mixed System		
3.3 Cost of Public Education		
3.4 Role of Education in Economic Development of India		
Unit - 4: Education Market and Challenges in India		
4.1 Public and Private Education: Access, Equality and Efficiency		
4.2 The Education Market and Factors Affecting the System		
4.3 Economic Liberalization and Higher Education in India		
4.4 Field Work – Report Writing		

Mapping Matrix of POs, PSOs, and COs																	
COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	2	-	2	2	-	-	2	1	2	2.00				
CO-2	3	2	2	2	-	2	2	1	1	2	1	2	1.82				
CO-3	3	3	3	2	-	3	2	1	1	3	2	3	2.36				
CO-4	2	3	3	3	-	2	3	1	2	2	2	2	2.27				
Avg	2.75	2.50	2.50	2.25	-	2.25	2.25	1.00	1.33	2.25	1.50	2.25					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy	
CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling

CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

Books:

Tilak, JB (2018). Political economy of external aid for education in India: Critical issues in public policy. Education and Development in India.
https://www.researchgate.net/publication/327679021_Political_Economy_of_External_Aid_for_Education_in_India_Critical_Issues_in_Public_Policy DOI:10.1007/978-981-13-0250-3_10

Government of India. (2017). All India survey on higher education (2016-17). Ministry of Human Resource Development, Department of Higher Education.
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Lovenheim, M., and Turner, S. (2018). Economics of education. Worth Publishers.

Johnes, G. (Ed.). (2006). International handbook on the Economics of education. Edward Elgar Publishing.

Conrad, D. A. (n.d.). Education’s contribution to economic growth. The University of the West Indies, St. Augustine campus.

Tilak, J. B. G. (2003). (Ed.). Financing education in India: Current issues and changing perspectives. Ravi Books.
https://www.researchgate.net/publication/327674759_The_Kothari_Commission_and_Financing_of_Education_Critical_Issues_in_Public_Policy_and_Development

Babalola, J. B. (Ed.). (2015). Fundamentals of Economics of education (Revised). Core Text in Educational Planning. Department of Educational Management, University of Ibadan.

Hirshleifer, J. (1985). The expanding domain of Economics. The American Economic Review, 75(6), 53–68.

Cohn, E., and Geske, T. G. (n.d.). The Economics of education.

Lee, J. H., Jeong, H., and Hong, S. C. (n.d.). Human capital and development. Edward Elgar Publisher.

Online Resources & Tools:

<https://www.youtube.com/watch?v=NX4sS5rj7aw>
<https://www.youtube.com/watch?v=ldejvpRFU-k>
https://www.youtube.com/watch?v=tF-Eh9_wX0o

**Program - M.A (Master of Rural Economics)
Semester- 3**

Course Code 2560104110021	Name of Course Humane Economics	Optional
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

CO1 Describe Fundamental Concepts of Human Economics and Its Distinction from Mainstream Economics.

CO2 Understand Human Well-Being and Contributions of Indian Thinkers.

CO3 Analyse Economic Systems and Their Effect on Human Development.

CO4 Evaluate Current Challenges in Globalization, Technology, and Human Rights.

Detailed Syllabus

Unit - 1: Fundamentals of Humane Economics

- 1.1 Introduction to Humane Economics: Concept, Importance, Scope
- 1.2 Origin and Progress of the Humane Economy
- 1.3 Difference between Humane Economics and Mainstream Economics
- 1.4 Economics of Welfare, Social Justice and Humane Development

Unit - 2: Human Well-Being and Indian Thinkers

- 2.1 Mohandas Karamchand Gandhi, Vinayak Narhar Bhave
- 2.2 Bhimrao Ramji Ambedkar
- 2.3 Jean Drèze
- 2.4 Human Development and Capability (Amartya Sen)

Unit - 3: Economic System and Human Development (Well-Being)

- 3.1 Market: Benefits and Limitations in Terms of Well-Being
- 3.2 Role of the Organization: State, Cooperative/Collective/Community
- 3.3 Public-Private Arrangement, Citizen Society
- 3.4 Case Study

Unit - 4: Current Challenges in Human Economics

- 4.1 Globalization, Technological Change and Human Well-Being
- 4.2 Unethical Capitalism and Its Economic and Non-Economic Implications
- 4.3 Nature and Challenges of Exile
- 4.4 Problems of Social Justice and Human Rights

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	1	-	1	2	2	2	2	1	1	2	2	1.73				
CO-2	3	-2	2	-	3	3	2	-	2	2	2	3	2.00				
CO-3	3	3	2	2	2	3	2	2	-	-	3	3	2.50				
CO-4	3	2	2	-	3	3	-	-	2	2	3	3	2.56				
Avg	3.00	1.00	2.00	1.50	2.50	2.75	2.00	2.00	1.67	1.67	2.50	2.75	2.11				

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling				
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation				
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling				
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
CO-4	10	5	5	--	
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
CO-4	15				
References					

Books:

Gandhiji. (2006). India of my dreams. R. K. Prabhu (compilation). Navjivan Prakashan Mandir , Ahmedabad.

Gandhi , M. (1962). Gramswaraj. H. M. Vyas (compiled). Navjivan Prakashan Mandir , Ahmedabad.

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Fine, B. (2004). Economics and ethics: Amartya Sen as point of departure. New School Economic Review, 1(1), 95–103.

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Lutz, M. A., and Lux, K. (1988). Humanistic Economics: The new challenge. Bootstrap, New York.

Sen, A. (2002). Rationality and freedom. Harvard University Press, Cambridge, MA.

Sen, A. (1999). Development as freedom. Oxford University Press, Oxford.

Rogers, C. R. (1957). Becoming a person. Association Press, New York.

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Online Resources & Tools:

<https://www.youtube.com/watch?v=tUdKOS5jGO0>

<https://www.up.ac.za/human-economy-programme/article/16511/about-human-economy>

<https://www.youtube.com/watch?v=LkKEI3-BjX4>

<https://www.youtube.com/watch?v=Y-3ChUg2DRA>

<https://www.youtube.com/watch?v=ZZ6Pvdn1BU8>

**Program - M.A (Master of Rural Economics)
Semester- 3**

Course Code 2560104110022	Name of Course Contributions of Indian-origin Economists	Optional
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO1:** Gain Knowledge about Ancient Economics.
CO2: Be Prepared to Understand the Role of Economic Thought That Became Popular in India after Independence.
CO3: Understand the Effectiveness of the Role of Economists in Various Sectors of the Indian Economy.
CO4: Examine the Contributions of Economists in India or of Indian Origin.

Detailed Syllabus

Unit - 1 Origin and Evolution of Indian Economic Thought

- 1.1 Ancient and pre-modern economic thought
 1.2 Critique of Colonialism: Dadabhai Naoroji, Romesh Chandra Dutt, Mahadev Govind Ranade, Mohandas Karchand Gandhi
 1.3 Mumbai Plan (1944–45), People 's Plan (1944–45)
 1.4 Gandhian-based plan (1944)

Unit - 2 : Planning and Policy in Post-Independent India

- 2.1 Planning and Development Strategy in the 1950s
 2.2 Babasaheb Bhimrao Ambedkar
 2.3 P. C. Mahalanobis , Vijayendra Kasturi Rangarajan , Varadarajan Rao
 2.4 Sukhomaya Chakravarthy , Tirukodikal Neelkanth Srinivasan

Unit -3 : Modern Economist I

- 3.1 Manmohan Singh, Chakraborty Rangaraj
 3.2 Kaushik Basu, Jean Drez
 3.3 Pranab Bardhan, Ashok Gulati
 3.4 Amresh Bagch, Govind Rao

Unit - 4 Modern-day Economist II

- 4.1 Jagdish Bhagwati , Partha Dasgupta , Geeta Gopinath
 4.2 Amartya Sen
 4.3 Bina Agarwal
 4.4 Reserve Bank of India, Role of NITI Aayog

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	1	-	1	2	2	2	2	1	1	2	2	1.73				
CO-2	3	-2	2	-	3	3	2	-	2	2	2	3	2.00				
CO-3	3	3	2	2	2	3	2	2	-	-	3	3	2.50				
CO-4	3	2	2	-	3	3	-	-	2	2	3	3	2.56				
Avg	3.00	1.00	2.00	1.50	2.50	2.75	2.00	2.00	1.67	1.67	2.50	2.75	2.11				

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation

CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling				
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

Books:

Enlightened Economics : Ambedkar And His Economic Vision (any date no). baba saheb ambedkar of Economic Thinking Of Hindi Analysis .

Banerjee, A., Gopinath, G., et al. (2019). What the economy needs now. Juggernaut.

Agarwal, B. (2010). Gender and green governance. Oxford University Press.

Rajan, R. (2010). Fault lines: How hidden fractures still threaten the world economy. Princeton University Press.

Basu, K. (2010). Beyond the invisible hand: Groundwork for a new Economics. Princeton University Press.

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Chakravarty, S. (1987). Development planning: The Indian experience. Oxford University Press.

Bardhan, P. (1984). The political economy of development in India. Oxford University Press.

Bhagwati, J. N., and Desai, P. (1970). India: Planning for industrialization. Oxford University Press.

Mahalanobis, P. C. (1955). The approach of operational research to planning in India. Sankhya: The Indian Journal of Statistics, 16(1/2), 3–130.

Narayan, J. (1950). Sarvodaya: Our programme for economic and social change. Kitabistan.

Agarwal, S. N. (1944). Gandhian plan of economic development for India. Kitabistan.

Roy, M. N. (1944). People’s plan for economic development of India. Indian Renaissance Institute.

Online Resources & Tools:

https://www.youtube.com/playlist?list=PLCNWn1Abl7iOoNcrJ5vIb_piwituse3mw

https://en.wikipedia.org/wiki/Bombay_Plan

https://en.wikipedia.org/wiki/Gandhian_economic_principles

**Program - M.A (Master of Rural Economics)
Semester- 3**

Course Code 2560104110023	Name of Course History of Economic Thought	Optional
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO1:** Gain an Understanding of Greek Economic Thought.
CO2: Understand the Contributions of Leading Economists to Economics.
CO3: Explore Questions Regarding Socialism and Its Role in Fostering Economic Understanding.
CO4: Understand the Contributions of Nine Distinguished Economists to Economics.

Detailed Syllabus

Unit 1. Greek ideology

- 1.1 Aristotle, Plato
- 1.2 Naturalism, Mercantilist: Main Features
- 1.3 Petty, Locke, and Hume’s Economic Thought
- 1.4 Stoicism (The Stoics)

Unit-2 Classical Economists

- 2.1 Adam Smith (1723–1790)
- 2.2 David Ricardo (1772–1823)
- 2.3 Thomas Robert Malthus (1766–1834)
- 2.4 J. S. Mill

Unit - 3: Nationalist and Socialist

- 3.1 Friedrich List
- 3.2 Gunnar Myrdal
- 3.3 Karl Marx
- 3.4 Rosa Luxemburg

Unit 4. Neo-Classical Economists

- 4.1 Antoine Augustin Cournot
- 4.2 William Stanley Jevons, Johann Wicksell
- 4.3 Alfred Marshall
- 4.4 J. M. Keynes

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	-	-	1	-	-	1	1	-	-	1	1.50				
CO-2	3	2	-	-	1	-	-	1	1	-	-	1	1.50				
CO-3	3	2	-	-	1	-	-	1	1	-	-	1	1.50				
CO-4	3	2	-	-	1	-	-	1	1	-	-	1	1.50				
Avg	3	2	-	-	-	-	-	-	1	-	-	-					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling

CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

Books:

Acemoglu, D., and Robinson, JA (2006). Economics origin of dictatorship and democracy. Cambridge University Press.

Buchholz, T. (1990). New ideas from dead economists. A Plume Book.

Collander, D. C., and Landreth, H. (1989). History of economic thought. Washington.

Black, R. D. C. (1986). Ideas in Economics. Barnes and Noble.

Backhouse, R. E. (2002). History of economic thought. Penguin.

Blackhouse, R. (1985). A history of modern economic analysis. Basil Blackwell, Oxford.

Schumpeter, J. A. (1954). History of economic analysis. Oxford University Press, New York.

Gide, C., and Rist, G. (1956). A history of economic doctrines. George H. and Co., London.

Online Resources & Tools:

<https://www.youtube.com/watch?v=LFBtifPX4Skandlist=PLd9YkwHGMPp69txsS0Owr2QxtHBepuvji>

<https://www.youtube.com/playlist?list=PLOV7ykEqGK1ZYPO4Cg1Ap5sNqO3zLWJw7>

<https://www.youtube.com/watch?v=i8oPzlOE7nY>

Program - M.A (Master of Rural Economics)

Semester- 4

Course Code 2560104110025	Name of Course Welfare Economics	Core
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO1 Understand Theory of Marginal Productivity and Returns to Various Factors of Production
 CO2 Explain Principles and Scope of Welfare-Oriented Economics.
 CO3 Understand Approaches to Returns and Social Welfare Functions.
 CO4 Analyse Equality, Social Justice, and Cost-Benefit Evaluation.

Detailed Syllabus

Unit 1 Distribution

- 1.1 Economic Implications of the Principle of Marginal Productivity
 1.2 Modern Explanation of Return on Capital
 1.3 The concept of Fair Wage Distribution and its principles
 1.4 Relationship between Technological Changes and Distribution

Unit-2 Economics of Welfare : Introduction to the Subject

- 2.1 Introduction to Welfare-Oriented Economics: Definition and Scope
 2.2 Evolution of Welfare-Oriented Economics and Its Relationship with Other Branches of Economics
 2.3 Personal Welfare and Social Welfare: Functional Understanding
 2.4 Pareto Efficiency and Theoretical Conditions for Welfare Structure

Unit – 3 Returns Approach

- 3.1 Hicks-Kaldor, Lerner
 3.2 Stitvosky and Others
 3.3 Social Welfare Function
 3.4 Partial Equilibrium and Macro Equilibrium

Unit - 4: Welfare-Oriented Economics

- 4.1 Workflows and Other Personal Choice Aggregation
 4.2 Equality and Social Justice: Roles and Concepts of Contentment in Economics, Justice Scale, Inequality Criteria – Lorenz Curve and Gini Coefficient
 4.3 Cost–Benefit Analysis: Principles, Evaluation of Costs and Benefits, Public Policy and Project Evaluation
 4.4 Public Goods, Externalities, and Market Failure

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	1	1	1	-	-	-	1	-	-	1	2	1.43				
CO-2	3	3	2	2	-	-	-	2	-	1	2	2	2.13				
CO-3	3	3	2	2	3	-	-	2	-	1	2	2	2.22				
CO-4	2	2	3	3	2	-	1	1	-	2	1	3	2.00				
Avg	2.75	2.25	2.00	2.00	2.50	-	1.00	1.50	-	1.33	1.50	2.25					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation

CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling				
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

Books:

Ahuja, H. L. (2022). Modern microEconomics: Theory and applications (19th ed.). S. Chand Publishing, New Delhi.

Dwivedi, D. N. (2021). MicroEconomics: Theory and applications (2nd ed.). Vikas Publishing House.

Pindyck, R. S., and Rubinfeld, D. L. (2020). MicroEconomics (9th ed.). Pearson Education.

Mankiw, N. G. (2020). Principles of microEconomics (9th ed.). Cengage Learning.

Jhingan, M. L. (2020). Microeconomic theory (6th ed.). Vrinda Publications.

Varian, H. R. (2019). Intermediate microEconomics: A modern approach (9th ed.). W. W. Norton and Company.

Samuelson, P. A., and Nordhaus, W. D. (2010). Economics (19th ed.). McGraw-Hill Education.

Koutsoyiannis, A. (1979). Modern microEconomics (2nd ed.). Macmillan.

Online Resources & Tools:

<https://openstax.org/books/principles-microEconomics-2e/pages/1-introduction>

<https://www.econlib.org/library/Topics/HighSchool/MicroEconomics.html>

<https://www.youtube.com/watch?v=dV8sJ3l8avU>

<https://www.youtube.com/watch?v=yVP5qS7ej7I>

<https://www.youtube.com/watch?v=Sbcef8EZh48>

Program - M.A (Master of Rural Economics)		
Semester- 4		
Course Code	Name of Course	Core
2560104110026	Development Economics	
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60
Course Outcomes (COs)		
CO1 Describe Key Principles of Economic Growth and Contributions of Classical Economists.		
CO2 Understand Major Economic Growth Models and Theories.		
CO3 Analyze Contributions of Mid-20th Century Growth Economists.		
CO4 Evaluate Modern Economic Growth Theories and their Applications.		
Detailed Syllabus		
Unit - 1: Principles of Economic Growth		
1.1 Devid Ricardo		
1.2 Karl Marx		
1.3 Joseph Schumpeter		
1.4 Walt Rostow		
Unit - 2: Principles of Economic Growth		
2.1 Economic Model		
2.2 Harrod-Domar		
2.3 Lionel Robbins		
2.4 James Meade		
Unit - 3: Principles of Economic Growth		
3.1 Solow Model		
3.2 Nicholas Kaldor		
3.3 John Hicks		
3.4 Hirofumi Uzawa (Uzawa)		
Unit - 4: Principles of Economic Growth		
4.1 Robert Solow – Trevor Swan (Solow-Swan)		
4.2 Kenneth Arrow		
4.3 Robert Lucas		
4.4 Paul Romer		

Mapping Matrix of POs, PSOs, and COs																	
COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	1	2	-	1	2	-	1	1	-	-	1.63				
CO-2	3	3	1	3	-	1	2	1	1	1	-	-	1.78				
CO-3	3	3	2	3	-	1	3	1	1	2	-	1	2.00				
CO-4	3	2	1	2	-	2	3	1	2	3	-	2	2.10				
Avg	3.00	2.50	1.25	2.50	-	1.25	2.50	1.00	1.25	1.75	-	1.50					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy	
CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling

CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
			Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
	CO-4	15			
References					

Books:

Joshi , R. C. (2001). Development . Planning And Economic Policy Economics . Popular Publication , Surat .

Dholakia , B. A. , and Dholakia , R. A. (no . Year Showed Not). Economic Growth Model University Book Construction Board , Gujarat State , Ahmedabad .

Trivedi , H. K. (no . Year Showed Not). Developing Of nations Economics . University Book Construction Board , Gujarat State , Ahmedabad .

Madhukari . (1987 – 2004). June 1988 , June 2004 and December 1987.

Meier, GM, and Rauch, JE (2000). Leading issues in economic development. Oxford University Press, New Delhi.

Todaro, MP (no. Year Showed not). Economics for a developing world. Longman Group, UK Limited.

Online Resources & Tools:

<https://www.khanacademy.org>

<https://ocw.mit.edu/>

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

<https://www.edx.org/>

<https://www.youtube.com/watch?v=2zEPjn-cOvU>

<https://www.youtube.com/watch?v=UHJXQB7p0Og>

<https://www.youtube.com/watch?v=e26eNaNYZNw>

Program - M.A (Master of Rural Economics)		
Semester- 4		
Course Code 2560104110027	Name of Course Economics of Natural Resources	Core
Credit: 04	Prerequisites: Understanding of Basic Micro Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO1 Explain Natural Resources, Property Rights, and Community Resource Management.
 CO2 Analyse Renewable Resources and Sustainability Policies.
 CO3 Evaluate Non-Renewable Resource Issues and Optimal Exploitation Strategies.
 CO4 Assess Sustainable and Nurturing Development, Including Technology and Conflict Resolution.

Detailed Syllabus

Unit - 1: Natural Introduction to Resource Economics

- 1.1 Natural Resources: Concept, Types, and Status
- 1.2 Property Rights: Concept, Types, and Features
- 1.3 Community Resources: Meaning, Characteristics, and Management
- 1.4 Problems with Community Resources in India

Unit - 2: Economics and Sustainability of Renewable Resources

- 2.1 Status and Challenges of Fisheries, Forests, and Water Resources
- 2.2 Rules of Optimum Fishing and Resource Management
- 2.3 Renewable Resources Policy and Its Evaluation (with Reference to India)
- 2.4 Case Study

Unit - 3: Economics and Sustainability of Non-Renewable Resources

- 3.1 Fossil Energy Resource Issues
- 3.2 Deterioration and Shortage in the Quantity and Quality of Resources
- 3.3 Hotelling’s Rule and Optimal Mining
- 3.4 Case Study

Unit - 4: Sustainable and Nurturing Development

- 4.1 Sustainable Development: Concept and Standards
- 4.2 Sustainable Development versus Nurturing Development
- 4.3 Role of Technology and Innovation in Resource Development
- 4.4 Global Conflicts and Possible Solutions

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	2	2	3	3	3	1	2	-	2	3	2	2	2.27				
CO-2	2	2	3	3	3	2	2	2	1	3	2	3	2.33				
CO-3	2	2	3	3	3	2	2	3	2	3	2	3	2.50				
CO-4	2	2	3	2	3	2	2	2	2	2	3	3	2.33				
Avg	2.00	2.00	3.00	2.75	3.00	1.75	2.00	2.33	1.75	2.75	2.25	2.75					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling

Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

References

Books:

Iyengar and Shukla Nimisha. Environmental **Economics** :An Introduction. Gujarat Vidyapith , Ahmedabad.

Madhukari Ank.

Khakhar , K.K. Fundamental Principles of Environmental **Economics**. Adarsh Printing- **2004**.

Shukla Nimisha. Community Land Resources : Issues and Prospects for Development , Gujarat Vidyapith , Ahmedabad.

Savaliya. Ramesh. Environmental Companion (S) Environmental Education Center , Ahmedabad.

Hanley, N., JF Shogeren and B. White (1997), Environmental Economics in Theory and Practice, Macmillan.

Field, Berry and Martha Field. (2002). Natural Resource Economics: An Introduction. Tata McGraw Hill

Sankar, U. (Ed) (2001), Environmental Economics Oxford University Press, New Delhi.

Tietenberg, T., and Lewis, L. (2024). Natural resource Economics: The essentials (2nd ed.). Routledge. A concise, policy-oriented text with updated case studies and international examples api.pageplace.de/waveland.com/+3taylorfrancis.com/+3amazon.com/+3.

Field, B. C. (2024). Natural resource Economics: An introduction (4th ed.). Waveland Press. Accessible and comprehensive, covering valuation methods, policy design, sustainability, and institutional frameworks .

Deng, X., Song, M., Li, Z., Zhang, F., and Liu, Y. (2024). Environmental and natural resources Economics. Springer Singapore. Emphasizes resource abundance, land and water management, and policy tools, with a strong empirical and spatial planning focus .

Aboulajras, A. S. A., Khalifa, W. M. S., and Kareem, P. H. (2025). Environmental sustainability in emerging economies: The impact of natural resource rents, energy efficiency, and economic growth via quantile regression analysis. Sustainability, 17(8), 3670. Explores how natural resource rents and renewables affect CO₂ emissions across developing nations arxiv.org/+2mdpi.com/+2link.springer.com/+2.

Kosnik, L.-R., Whitehead, J. C., and Haab, T. C. (2023). Shifting perspectives: An updated survey of environmental and natural resource economists. Appalachian State University Working Paper No. 25 02. A 2023 survey revealing consensus levels on key topics like market failures and support for Pigouvian policy tools env-econ.net/+1ideas.repec.org/+1.

Van der Ploeg, F. (2023). Natural resource curse: A literature survey and comparative assessment. Energy Policy.

Journal of Environmental Economics and Management – Flagship journal for theoretical and empirical work on environment and natural resources en.wikipedia.org+1env-econ.net+1.

Environmental and Resource Economics – European Association's official journal covering policy instruments, valuation, and institutional modeling link.springer.com.

Annual Review of Resource Economics – Publishes yearly summaries on current theory and empirical insights in resource Economics

Online Resources & Tools:

<https://www.youtube.com/watch?v=6Z7h1zuz-ls>

<https://www.youtube.com/watch?v=Q0gP4HQ8mU0>

<https://www.youtube.com/watch?v=vn7GmpOjA48>

Program - M.A (Master of Rural Economics)		
Semester- 4		
Course Code	Name of Course	Core
2560104110028	Block-Placement based Report Writings	
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60
Course Outcomes (COs)		
<p>CO1: Gain a Basic Understanding of Economic Research. CO2: Prepare a Proposal for Economic Research. CO3: Collect Data Through Field Visits and Related Methods. CO4: Write a Research Project Report.</p>		
Detailed Syllabus		
Unit - 1: Concept of Research and its Importance in Economics		
<p>1.1 Core understanding of research and its tools 1.2 Stages of research 1.3 Economic research and its features 1.4 Limitations of Economic Research</p>		
Unit 2- Outline of the selected topic for economic research		
<p>2.1 Selection of topic and collection of secondary source information 2.2 understanding of objectives 2.3 Population-based Probability Sample Selection</p>		

2.4 Draft Schedule
Unit-3 Field Visit
3.1 Introduction to the field of study
3.2 Collection of Data
3.3 Data Analysis
3.4 Unit Study (as required)
Unit - 4 Report writing

Mapping Matrix of POs, PSOs, and COs																	
COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	2	-	3	3	1	2	2	1	1	2.00				
CO-2	3	3	3	3	-	2	3	2	2	2	3	2	2.55				
CO-3	2	3	3	3	-	2	3	3	2	3	3	2	2.64				
CO-4	3	3	3	3	-	2	3	3	3	3	3	3	2.91				
Avg	2.75	2.75	2.75	2.75	-	2.25	3.00	2.25	2.25	2.50	2.50	2.00					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy	
CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling

Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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<https://www.youtube.com/watch?v=kzRINZLVgBE>

<https://www.youtube.com/watch?v=YEASkqW-3j0>

Program - M.A (Master of Rural Economics)		
Semester- 4		
Course Code 2560104110029	Name of Course Labor Economics	Optional
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60
Course Outcomes (COs)		
CO1 Explain the Purpose and Scope of Labour Economics.		
CO2 Understand Principles of Compensation and Labour Returns.		
CO3 Analyze Size, Status, and Impact of Labour in India.		
CO4 Evaluate Labour Laws, Welfare Measures, and Trade Unions.		
Detailed Syllabus		
Unit - 1: Economics of Labour		
1.1 Labour Economics: Purpose and Scope		
1.2 Human Resources: Concept and Related Matters (Labour Force and Labour Force Participation Rate)		
1.3 Occupation-Based Labour Force (Organized and Unorganized Labour)		
1.4 Labour Market: Concept and Equilibrium		
Unit - 2: Principles of Compensation of Labour Resources		
2.1 The Tradesmen Approach		
2.2 Theories of Special Economists		
2.3 Labour Returns in Different Markets		
2.4 Relationship Between Economic Growth and Employment		
Unit - 3: Labour Resource in India: Size and Status		
3.1 Definition of Labour by NSSO		
3.2 Period and Status of Labour According to Region and Form		
3.3 Economic Liberalization Policy and Its Impact on Labour		
3.4 Discrimination in the Labour Market: Women and Gender; Problem of Child Labour		
Unit - 4: Labour Laws and Protection in India		
4.1 Role of the State in Labour Welfare		
4.2 Evaluation of the National Labour Policy		
4.3 Labour-Related Laws in India		
4.4 Trade Unions in India: Structure, Industrial Disputes, and Questions		

Mapping Matrix of POs, PSOs, and COs																	
COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	2	-	2	1	-	1	2	1	2	1.80				
CO-2	3	2	3	3	-	2	1	1	1	2	1	1	1.82				
CO-3	3	3	3	3	-	3	1	-	2	3	2	2	2.50				
CO-4	2	2	2	2	-	3	1	1	2	2	1	2	1.82				
Avg	2.75	2.25	2.50	2.50	-	2.50	1.00	1.00	1.50	2.25	1.25	1.75					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy	
CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling

Assessment Method					
Continuous Comprehensive Evaluation	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
40 Marks	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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(Search: “Labour Economics” or course codes like ECO-13, ECO-14)

NPTEL Course on Labour Economics (IIT Kanpur – Prof. Anjani Kumar Singh) <https://nptel.ac.in/courses/109/104/109104178/>

Shodhganga (Labour Economics theses and dissertations) <https://shodhganga.inflibnet.ac.in>

Rajya Sabha Secretariat – Labour Welfare Reports (Hindi/English) <https://rajyasabha.nic.in>
Labour Economics | Prof. Anjani Kumar Singh (NPTEL)
<https://www.youtube.com/watch?>
<https://www.youtube.com/watch?v=fnxuEuZMfWg>
https://www.youtube.com/watch?v=R146I_sQJCM
<https://www.youtube.com/watch?v=AWY8KGgFH1I>

**Program - M.A (Master of Rural Economics)
Semester- 4**

Course Code 2560104110030	Name of Course Introduction to Ecological Economics	Optional
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO1 Explain Interrelationships Between Mainstream Economics and Ecological Economics.
 CO2 Analyze Ecosystems, Energy Flow, and Ecological Footprint.
 CO3 Evaluate Sustainable Development, Climate Change, and Economic Planning.
 CO4 Assess Contemporary Ecological Problems, Globalization, and Social Justice.

Detailed Syllabus

Unit - 1: Ecology Economics

- 1.1 Definition, Importance, and Interrelationship Between Mainstream Economics and Ecology Economics
- 1.2 Evolution of Ecology Economics and Differences from Environmental Economics
- 1.3 Sustainability and Nourishment
- 1.4 Relationship Between Natural Capital and Ecological Services

Unit - 2: Ecosystems Arrangement

- 2.1 Forms of Energy, Energy Mobility, and Rules of Usage
- 2.2 Ecological Footprint and Population: Earth's Carrying Capacity
- 2.3 Climate Change and Economics
- 2.4 Biodiversity and Ecosystem Services: A Study

Unit - 3: Policy for Sustainable Development and Its Limitations

- 3.1 Deep Economy Concept
- 3.2 Effect of Global Temperature Growth on the Economy
- 3.3 Economic Planning and Ecological Equilibrium
- 3.4 Case Study

Unit - 4: Contemporary Problems

- 4.1 Key Contemporary Economic Problems
- 4.2 Ecological Economics and Globalization
- 4.3 Ecological Economics and Social Justice
- 4.4 Key Indicators and Indian Context

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	2	2	2	2	3	2	1	1	2	2	1	2	1.83				
CO-2	2	3	3	2	3	2	2	2	2	2	2	2	2.25				
CO-3	3	3	3	3	3	2	1	2	2	3	2	3	2.50				
CO-4	3	3	2	2	3	1	2	2	3	3	3	3	2.50				
Avg	2.50	2.75	2.50	2.25	3.00	1.75	1.50	1.75	2.25	2.50	2.00	2.50					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling

Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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**Program - M.A (Master of Rural Economics)
Semester- 4**

Course Code 2560104110031	Name of Course Econometrics	Optional
Credit: 04	Prerequisites: Understanding of Basic Economics	Teaching Hours: 60

Course Outcomes (COs)

- CO1 Explain the Importance and Applications of Econometrics.
 CO2 Understand and Interpret Economic Models.
 CO3 Apply Estimation Techniques and Distinguish Their Types.
 CO4 Analyse Fixed Relationships and Their Role in Economics.

Detailed Syllabus

Unit - 1: Introduction

- 1.1 Econometrics: Meaning, Definitions, and Importance
- 1.2 Forms of Econometrics (Mathematical Econometrics, Economic Statistics, etc.)
- 1.3 Importance of Econometrics
- 1.4 Limitations of Econometrics

Unit - 2: Science of Econometrics

- 2.1 Meaning and Definition of Models
- 2.2 Micro, Macro, and Simultaneous Equation Models
- 2.3 Model Calculation
- 2.4 Desirable Features of Econometric Models

Unit - 3: Calculation

- 3.1 Meaning of Estimation and Estimated Values
- 3.2 Types of Estimation (Point Estimation and Interval Estimation)
- 3.3 Features of an Ideal Point Estimator
- 3.4 Importance of Estimation

Unit - 4: Fixed Relationship

- 4.1 Meaning and Definition of a Fixed Relationship
- 4.2 Model of Fixed Relationship
- 4.3 Linear Relationship
- 4.4 Multilateral Contract

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	3	2	-	-	-	2	1	1	-	-	-	2.00				
CO-2	3	3	2	-	-	-	2	1	1	-	-	-	2.00				
CO-3	3	3	2	-	-	-	2	1	1	-	-	-	2.00				
CO-4	3	3	2	-	-	-	2	1	1	-	-	-	2.00				
Avg	3	3	-	-	-	-	-	1	1	-	-	-					

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

Curriculum Framework- Master of Rural Economics) - 2025

CO-1 (Unit: 1)	• Lecture, , Group Discussion, Story Telling				
CO-2 (Unit: 2)	• Lecture, Ask & Know Technique, Group Discussion, Assignment, Presentation				
CO-3 (Unit: 3)	• Lecture, Ask & Know, Technique, Gamification, Story Telling				
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
	CO-1	10	Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
CO-4	10	5	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-1	15			
	CO-2	15			
	CO-3	15			
CO-4	15				
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