



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

Course Type	Course Code	Course Title	Teaching-Learning Scheme	Total Notional Hours	Course credits
			L-P-T		
DSC	P2ANC02ECO01	Market analysis and welfare economics	4-0-0	120	04

• Course Learning Outcomes (CLOs)

On completion of this course, students will be able to:

CLO1: Analyze cost and revenue dynamics and to distinguish between short-run and long-run costs.

CLO2: Determine firm equilibrium and to identify profit-maximizing output using various approaches of costs and revenue.

CLO3: Evaluate market power and price determination for various competitive, non-competitive and monopolistic competition.

CLO4: Assess imperfect competition strategies using various solution to pricing strategies.

CLO5: Apply game theory to strategic decision-making, to solve basic strategic problems and explaining the economic implications of the Prisoner's Dilemma.

CLO6: Appraise welfare economic criteria and evaluate social well-being by comparing this criterion.

Unit	Course Content	Learning Pedagogies*	CLO(s)
I	Cost and Revenue Analysis: 1.1 Cost concepts; short-run and long run cost 1.2 Distinction and relations between different cost curves and their analysis 1.3 U and L shapes of average cost curves 1.4 Revenue Analysis-Concepts of revenues 1.5 Relation between AR & MR Curves 1.6 Equilibrium analysis – Total cost and total revenue approach, marginal cost and marginal revenue approach	CL, Inquiry-Based Learning, PBL, Experiential Learning (Practice-based Tasks),	CLO1 CLO2
II	Market Equilibrium: 2.1 Perfect competition- Time element and price determination, equilibrium of the firm- Total Revenue and Total Cost Approach, Marginal Cost and Marginal Revenue Approach, Shut-down Point; 2.2 Monopoly- Equilibrium of the Firm- Total Revenue and Total Cost Approach, Marginal Cost and Marginal Revenue Approach, Discriminating Monopoly, Form and Degrees of Price Discrimination, Social Desirability of Price Discrimination, Equilibrium under Price Discrimination, Dumping; 2.3 Monopolistic competition – Equilibrium of a Firm- Marginal Cost and Marginal Revenue Approach, Chamberlin's Approach, Selling Cost and Advertising, Excess Capacity	CL, PBL, ICT-Enabled Learning,	CLO2 CLO3 CLO4



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

III	Oligopoly & Duopoly: 3.1 Kinked Demand Curve 3.2 Collusive Oligopoly- Cartels, Price Leadership 3.3 Cournot's and Edgeworth's Models of Duopoly 3.4 Theory of Game- Two Person zero-sum Game and Two Person non-zero- sum Game 3.5 Nash equilibrium 3.6 Prisoners' Dilemma	CL, Collaborative Learning (Peer Discussion) ICT-Enabled Learning, Self-Directed Learning	CLO2 CLO3 CLO4 CLO5
IV	Welfare Economics: 4.1 Pareto Optimality Criterion of Social Welfare 4.2 Kaldor-Hicks compensation Criterion 4.3 Scitovsky Paradox 4.4 Bergson- Samuelsson social welfare 4.5 The theory of second best	CL, Self-Directed Learning, Collaborative Learning, ICT-Enabled Learning	CLO6

- **(*) Learning Pedagogies/Methods**
 - (a) Classroom Lecture (CL)
 - (b) Problem-Based Learning (PBL)
 - (c) Collaborative Learning (Group Tasks, Peer Discussion, Joint Presentations)
 - (d) Experiential Learning (Community Engagement, Internship-linked Activities, Practice-based Tasks)
 - (e) ICT-Enabled Learning (LMS-based Tasks, Digital Resources, Virtual Labs/Webinars)
 - (f) Self-Directed Learning (Guided Readings, Concept Exploration Tasks)

• Assessment Methodologies

(A) Internal Assessment

a. Internal Formative assessment (30 marks)

- (a) Class Assignment (05 Marks)
- (b) Home Assignment (10 Marks)
- (c) Attendance (05 Marks)
- (d) Viva-voce (10 Marks)

b. Internal Summative Assessment (20 marks)

- (a) Mid-term tests (20 Marks)

(B) Weightage of Learning Efforts for External Assessment

Unit	Aligned COs	Total Learning Hours	Approximate weightage (Marks) to Learning levels (BT)			Total Marks
			Remember (R)	Understanding (U)	Application/ Analyse & above (A)	
I	CLO1 CLO2	28	2	5	06	13
II	CLO2 CLO3 CLO4	32	2	5	05	12



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

III	CLO2 CLO3 CLO4 CLO5	32	2	5	05	12
IV	CLO6	28	2	5	06	13
		120	08	20	22	50

• Assessment and Evaluation

Sr. No.	Assessment/Evaluation	Component	Weightage (%)
1	Continuous Internal Evaluation	- Class Assignment - Home Assignment - Attendance - Viva-voce - Mid-term tests	50%
2	End-Semester Examination	Written Exam	50%

(C) CLOs – PLOs Matrix

CLO	PLO								
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9
CLO1	3	2	1	-	2	3	2	1	-
CLO2	3	1	-	2	1	3	1	-	-
CLO3	3	1	1	2	1	3	2	2	-
CLO4	3	2	-	1	-	3	1	2	-
CLO5	3	2	2	-	2	3	1	1	1
CLO6	3	3	3	2	2	3	2	1	3

Values to CLO-PLO matrix are assigned by judging the importance of the particular CLO in relation to the PLOs.

CLO – PLO correlation	Value
Strong	3
Moderate	2
Low	1
No correlation	-

• Suggested Learning Materials Books:

Sr.No.	Title	Author(s)	Edition/ Year	Publisher
1	Advanced economic theory – Microeconomic Analysis	Ahuja H. L	2025	S. Chand and company, New Delhi.
2	Micro economic theory and welfare economics	Chopra P. N.	2022	Kalyani Publishers, New Delhi
3	Modern economic theory	Deweet K. K	2022	S. Chand and Company, New Delhi



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

4.	Price theory and applications	Hirshleifr J. and Glazer A.	2001	Prentice Hall, New Delhi
5.	Advanced Economic Theory	Jhingan M. L.	2021	Vrinda Publications, Delhi
6.	Modern Microeconomics	Koutsoyiannis A.	2001	Macmillan press, London
7.	Microeconomics Theory and Applications	Mishra and Puri	2024	Himalaya Publishing House
8.	Lectures on micro-economic theory	Prasad K. N.	2011	Himalaya publishing house
9.	Microeconomics-Theory and applications	Sen Anindya	2016	Oxford University press, New Delhi
10.	Principles of Economics (Micro and Macroeconomics)	Seth M. L.	2023	Lakshmi Narain Agrawas, Agra.
11.	Theory of price	Stigler	2015	Prentice hall, New Delhi
12.	A Textbook of Economic theory	Stonier A and Hague D.,	2010	Longman group, London
13.	Economic Analysis	Sundharam K.P.M. and Sundharam E.N.	2021	S. Chand and sons, New Delhi
14.	Economics	Samuelson	2012	Tata Mcgraw Hill, New Delhi

• Online Resources (Open Source)

Sr. No.	Description of Resource(s)	Weblink
1	An Introduction to Microeconomics	https://onlinecourses.nptel.ac.in/noc21_hs52/preview#:~:text=Course%20layout,Hal%20R.
2	Economic Analysis for Management	https://onlinecourses.nptel.ac.in/noc26_mg04/preview
3	Microeconomics: Theory & Applications	https://onlinecourses.nptel.ac.in/noc22_mg13/preview
4	Welfare Economics - Nature & Scope, Features, Necessary Conditions for Maximizing Welfare	https://www.youtube.com/watch?v=NB0GV-bN0j0#:~:text=This%20video%20describes%20about%20Welfare%20Economics:%20Nature,%20Features%2C%20Necessary%20Conditions%20for%20Maximizing%20Welfare%2C



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

Course Type	Course Code	Course Title	Teaching-Learning Scheme	Total Notional Hours	Course credits
			L-P-T		
DSC	P2ANC02ECO02	Macro-Economic Analysis	4-0-0	120	04

• Course Learning Outcomes (CLOs)

On completion of this course, students will be able to:

CLO1: Analyze National Accounting framework and differentiate between various national income accounting methods.

CLO2: Evaluate consumption hypotheses and establish various linkages among all these theories.

CLO3: Demonstrate the multiplier effect, to calculate and explain the working of investment multiplier.

CLO4: Synthesize interest rate theories and to distinguish between various interest rates under inflationary expectations.

CLO5: Understand and diagnose the sources of inflation, to evaluate the efficacy of various monetary, fiscal and income-based control measures.

CLO6: Assess the inflation-Unemployment trade-off and to incorporate modern concepts of it.

Unit	Course Content	Learning Pedagogies*	CLO(s)
I	Macroeconomics and National Income Accounting: 1.1 Definitions and concepts of national income- importance of national income analysis 1.2 Measurement of national income- Keynesian approach to national income and post Keynesian development- Circular Flow of Income in two-, three- and four-sector economy 1.3 Different forms of national income accounting — social accounting, input-output accounting, flow of funds accounting and balance of payments accounting.	CL, ICT-Enabled Learning, PBL	CLO1
II	Consumption Function: 2.1 Concept: Properties of consumption function- Keynesian Psychological Law of Consumption and its validity- The functional relationship between income and consumption- short and long run aspects 2.2 Post-Keynesian consumption function hypotheses: Duesenberry's demonstration effect, Friedman's permanent income hypothesis, Modigliani's life cycle theory 2.3 Multiplier: Meaning, working and importance- Leakages- Balanced budget multiplier.	CL, ICT-Enabled Learning, PBL, Research-Oriented Learning	CLO2 CLO3
III	Theory of Interest: 3.1 Interest rates and price expectations- Nominal and real interest rates- Inflationary expectations and Interest rates 3.2 Theories of Interest rates: Classical, Neo-Classical, Keynesian and modern IS-LM theory of rate of interest by Hicks and Hansen and its implications- Income, saving and investment and rate of interest	CL, ICT-Enabled Learning, PBL, Self-Directed Learning	CLO4



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

	3.3 Policy of administered interest rates- Deregulation of interest rates		
IV	Theory of Inflation: 4.1 Concept- Sources of inflationary pressure: Demand- pull, Cost-push factors, Sectoral demand shift 4.2 International aspect of inflation- Ratchet inflation- Inflation in less developed countries 4.3 Inflationary gap- Inflation and distribution of income- Stagflation 4.4 Control of inflation: Income policy, demand restriction, monetary policy, fiscal policy 4.5 Philips curve analysis: Relationship between unemployment and inflation- Samuelsson and Solow: The natural rate of Unemployment hypothesis, Tobin's modified Philips curve.	CL, ICT-Enabled Learning, PBL, Collaborative Learning, Self-Directed Learning	CLO5 CLO6

- **(*) Learning Pedagogies/Methods**
 - (a) Classroom Lecture (CL)
 - (b) Problem-Based Learning (PBL)
 - (c) Collaborative Learning (Group Tasks, Peer Discussion, Joint Presentations)
 - (d) ICT-Enabled Learning (LMS-based Tasks, Digital Resources, Virtual Labs/Webinars)
 - (e) Self-Directed Learning (Guided Readings, Concept Exploration Tasks)

• Assessment Methodologies

(A) Internal Assessment

a. Internal Formative assessment (30 marks)

- (a) Class Assignment (05 Marks)
- (b) Home Assignment (10 Marks)
- (c) Attendance (05 Marks)
- (d) Viva-voce (10 Marks)

b. Internal Summative Assessment (20 marks)

- (b) Mid-term tests (20 Marks)

(B) Weightage of Learning Efforts for External Assessment

Unit	Aligned COs	Total Learning Hours	Approximate weightage (Marks) to Learning levels (BT)			Total Marks
			Remember (R)	Understanding (U)	Application/ Analyse & above (A)	
I	CLO1	28	2	5	6	13
II	CLO2 CLO3	30	2	5	5	12
III	CLO4	32	2	5	5	12
IV	CLO5 CLO6	30	2	5	6	13
		120	08	20	22	50



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

• Assessment and Evaluation

Sr. No.	Assessment/Evaluation	Component	Weightage (%)
1	Continuous Internal Evaluation	- Class Assignment - Home Assignment - Attendance - Viva-voce - Mid-term tests	50%
2	End-Semester Examination	Written Exam	50%

(C) CLOs – PLOs Matrix

CLO	PLO								
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9
CLO1	1	3	1	1	1	1	2	1	1
CLO2	1	3	-	-	-	2	1	-	-
CLO3	1	3	2	-	3	1	1	1	-
CLO4	1	3	1	-	2	1	2	1	-
CLO5	1	3	3	1	2	1	2	1	-
CLO6	1	3	3	-	2	2	1	1	-

Values to CLO-PLO matrix are assigned by judging the importance of the particular CLO in relation to the PLOs.

CLO – PLO correlation	Value
Strong	3
Moderate	2
Low	1
No correlation	-

• Suggested Learning Materials Books:

Sr. No.	Title	Author(s)	Edition/ Year	Publisher
1	Macroeconomics: Theory and Policy	Ackley, G	1978	MacMillan, New York
2	Macroeconomics	Dornbusch, R. and F. Stanley	1997	MacMillan, New York
3	Modern Macroeconomics: Theory and Policy	Ghosh, B.N., and Rama Ghosh	1993	Himalaya Publishing
4	Monetary Planning in India	Gupta, S. B,	1995	Oxford University Press, New Delhi
5	Macroeconomics: Theory and Applications	Gupta, G.S.	2001	Tata McGraw-Hill publishing Company Ltd., New Delhi.
6	Money in a Theory and Finance	Gurley J. and E.S. Shaw	1960	Brookings Institution, Washington



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

7	Macroeconomics	Hall, R.E. and J.B. Taylor	1986	McGraw-Hill Inc. New York
8	Contemporary Macroeconomic Theory and Policy	Jha, R.	1991	Wiley Eastern Ltd. New Delhi
9	Demand for Money, Theory and Evidence	Laidler, D.E.W.	1977	Dum-Don Valley, New York
10	On Keynesian Economics and Economics of Keynes	Leijonhufwud, A.	1968	Oxford University Press, London.
11	New Keynesian Economics, 2 Vols.	Mankiw, N.G. and D. Romer (Eds.)	1991	MIT Press, Cambridge, Massachusetts, USA.
12	Reading in Macroeconomics	Mueller, M.G.	1966	Holt Rinehart & Winston, N.Y.
13	Money, Interest and Prices	Patinkin, D.	1965	Harper & Row, New York
14	Studies in Business Cycle Theory	Lucas, R.	1981	MIT Press, Cambridge, Massachusetts, USA
15	Structuralist Macroeconomics	Taylor, L.	1983	Basic Books, New Longman
16	Money, Banking, International Trade and Public Finance	Mithani D. M.	2010	Himalaya Publishing
17	Monetary Economics	M. L. Seth	2020	Lakshmi Narayan Agarwal
18	Theories of Inflation	Frisch, H.	1993	Cambridge University Press
19	Macroeconomics: Theory and Policy	Ahuja, H. L.	2025	S. Chand Publication
20	Macroeconomics: Theory and Policy	D. N. Dwivedi	2025	McGraw-Hill publishing Company Ltd.,

• Online Resources (Open Source)

Sr. No.	Description of Resource(s)	Weblink
1	e-Pustakdwar- A Digital library	https://web.sol.du.ac.in/epustakdwar/index.php?
2	e-GyanKosh	https://www.egyankosh.ac.in/
3	Reserve Bank of India Official Website	https://www.rbi.org.in/
4	Investopedia-Monetary Theory	https://www.investopedia.com/terms/m/monetary_theory.asp
5	Khan Academy- Monetary System	https://www.khanacademy.org/
6	e-PG Pathshala	https://epgp.inflibnet.ac.in/



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

Course Type	Course Code	Course Title	Teaching-Learning Scheme	Total Notional Hours	Course credits
			L-P-T		
DSC	P2ANC02ECO03	Research Methodology for Economics	4-0-0	120	04

• Course Learning Outcomes (CLOs)

On completion of this course, students will be able to:

CLO1: Define the core characteristics of social research and distinguish between various classifications to understand how scientific inquiry applies to societal issues.

CLO2: Demonstrate the ability to identify, state, and formulate a research problem while establishing clear objectives and testable hypotheses.

CLO3: Conduct a comprehensive review of literature to identify research gaps and provide a theoretical framework for their study.

CLO4: Differentiate between primary and secondary data sources and select appropriate census or sampling methods for their specific research goals.

CLO5: Acquire the skills to edit, code, and classify raw data into organized series ready for statistical analysis.

CLO6: Apply measures of central tendency, dispersion, and regression to interpret data patterns and relationships effectively.

CLO7: Compare and contrast quantitative and qualitative research methodologies, selecting the appropriate tools and software for each approach.

CLO8: Execute parametric and non-parametric tests using computer software to determine the significance and confidence levels of their research findings.

Unit	Course Content	Learning Pedagogies*	CLO(s)
I	Meaning & Significance of Research: 1.1 Definition, Characteristics, Classification 1.2 Social Research- Types, Motivations, Factors, Basic Assumptions; Importance of Social Research 1.3 Problems encountered by Researcher 1.4 Phases of Social Research: Selection of a Research Problem, Precautions to be undertaken, Formulation of a Research Problem: Statement of a Research Problem, Objectives, Hypothesis, Definitions and Indicators, Review of Literature	CL, PBL, Collaborative Learning, ICT-Enabled Learning (Digital Resources), Self-Directed Learning (Guided Readings, Concept Exploration Tasks)	CLO1 CLO2 CLO3
II	Data Analysis 2.1 Nature and Sources of Data- Primary and Secondary Data; Census and Sample Methods 2.2 Data for Research: Methods of Primary and Secondary Data Collection, Precautions to be Taken while Collecting Data, Limitations 2.3 Data Processing: Editing, Coding, Classification and Types; 2.4 Introduction to Series, Introduction to Basic	CL, PBL, Collaborative Learning, ICT-Enabled Learning (Digital Resources), Self-Directed Learning (Guided Readings, Concept Exploration Tasks)	CLO2 CLO4 CLO5 CLO6



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

	Statics- Measures of Central Tendency, Dispersion, Correlation and Regression-Innovative Techniques		
III	Quantitative and Qualitative Research 3.1 Quantitative and Qualitative research in social sciences: Introduction, Difference between qualitative and quantitative research 3.2 Methods of quantitative and qualitative research and their limitations 3.3 Data analysis in quantitative and qualitative research 3.4 Understanding the use of selected software for quantitative and qualitative research	CL, PBL, Collaborative Learning, ICT-Enabled Learning (Digital Resources), Self-Directed Learning (Guided Readings, Concept Exploration Tasks)	CLO1 CLO2 CLO6 CLO7
IV	Hypothesis 4.1 Concept and types of hypotheses 4.2 Significance of Hypothesis 4.3 Concept of Significance Level and Confidence Level 4.4 Hypothesis Testing – parametric and non-parametric testing 4.5 Use of Computer for Testing of Hypothesis	CL, PBL, Collaborative Learning, ICT-Enabled Learning (Digital Resources), Self-Directed Learning (Guided Readings, Concept Exploration Tasks)	CLO6 CLO7 CLO8

- **(*) Learning Pedagogies/Methods**
 - (a) Classroom Lecture (CL)
 - (b) Problem-Based Learning (PBL)
 - (c) Collaborative Learning (Group Tasks, Peer Discussion, Joint Presentations)
 - (d) ICT-Enabled Learning (LMS-based Tasks, Digital Resources, Virtual Labs/Webinars)
 - (e) Self-Directed Learning (Guided Readings, Concept Exploration Tasks)
- **Assessment Methodologies**
 - (A) Internal Assessment**
 - a. Internal Formative assessment (30 marks)**
 - (a) Class Assignment (05 Marks)
 - (b) Home Assignment (10 Marks)
 - (c) Attendance (05 Marks)
 - (d) Viva-voce (10 Marks)
 - b. Internal Summative Assessment (20 marks)**
 - (a) Mid-term tests (20 Marks)
 - (B) Weightage of Learning Efforts for External Assessment**

Unit	Aligned COs	Total Learning Hours	Approximate weightage (Marks) to Learning levels (BT)			Total Marks
			Remember (R)	Understanding (U)	Application/Analyse & above (A)	
I	CLO1 CLO2 CLO3	34	2	5	6	13



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

II	CLO2 CLO4 CLO5 CLO6	28	2	5	5	12
III	CLO1 CLO2 CLO6 CLO7	28	2	5	5	12
IV	CLO6 CLO7 CLO8	30	2	5	6	13
		120	08	20	22	50

• Assessment and Evaluation

Sr. No.	Assessment/Evaluation	Component	Weightage (%)
1	Continuous Internal Evaluation	- Class Assignment - Home Assignment - Attendance - Viva-voce - Mid-term tests	50%
2	End-Semester Examination	Written Exam	50%

(C) CLOs – PLOs Matrix

CLO	PLO								
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9
CLO1	1	1	1	2	1	3	3	2	-
CLO2	1	1	-	2	1	3	3	3	-
CLO3	-	1	-	1	-	3	3	3	-
CLO4	-	1	1	-	-	3	3	2	1
CLO5	-	-	1	1	-	3	3	3	-
CLO6	1	-	-	1	1	3	3	3	-
CLO7	1	1	-	-	1	3	3	2	-
CLO8	-	1	1	-	1	3	3	3	1

Values to CLO-PLO matrix are assigned by judging the importance of the particular CLO in relation to the PLOs.

CLO – PLO correlation	Value
Strong	3
Moderate	2
Low	1
No correlation	-



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

• Suggested Learning Materials Books:

Sr.No.	Title	Author(s)	Edition/Year	Publisher
1	Research Methodology- Methods and Techniques	Kothari C.R.	2022	New Age International Publishers, New Delhi
2	Research Methodology- Theory and Techniques	Raiyani J. R.	2012	New Century Publications, New Delhi
3	Research Methodology	Verma R. K. & Verma G.	1989	Commonwealth Publishers, New Delhi
4	Research Methodology: A Step-by-Step Guide for Beginners	Ranjit Kumar	2024	SAGE Publications
5	Research Methodology: Methods and Techniques	C.R. Kothari and Gaurav Garg	2024	New Age International Publishers, New Delhi
6	Social Research Methods	Alan Bryman, Liam Foster, and Tom Clark	2024	Oxford University Press
7	Qualitative Inquiry & Research Design: Choosing Among Five Approaches	John W. Creswell and Cheryl N. Poth	2018	SAGE Publications
8	Qualitative Data Analysis: A Methods Sourcebook	Matthew B. Miles, A. Michael Huberman, and Johnny Saldaña	2019	SAGE Publications
9	Methods in Social Research	William J. Goode and Paul K. Hatt	2025	McGraw-Hill/Sage South Asia
10	Numerical Methods of Statistical Analysis	Grewal P S	1987	S P Pvt. Ltd., New Delhi
11	An Introduction to Statistical Methods	Gupta C.B. & Gupta Vijay	23 rd edition 2004	Vikas Publishing House Pvt. Ltd., Noida
12	Quantitative Methods of Economics	Dave M.B & Pandya K	2012	Popular, Surat (Gujarati)
13	Business Statistic	Patel R.K. & Patel L.B.	2011	C. Jamanadas Co. Ahmedabad.
14	Statistical Analysis Made Simple Using Microsoft Excel	Suarbh R. Chaudhari & Dr. Dharmesh P. Raykundaliya,	2025 – First Edition	Madhuvan Stationery & General Store
15	Dhandhakiya Ankadashastra	Patel Balubhai	2015	University Granthnirman Board, Ahmedabad.
16	Arthshastrama Ganitshastra	Zala M.L.	1995	Purbiti Prakashan, Vallabh Vidyanagar.
17	Arthvishayak Ankadashastra	Dr. Jaiswal M.C.	1992	University Granthnirman Board, Ahmedabad.



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

• Online Resources (Open Source)

Sr. No.	Description of Resource(s)	Weblink
1	Descriptive statistics and Probability	https://onlinecourses.swayam2.ac.in/e-learning/preview/cec26_hs38
2	Research Methods for the Social Sciences: An Introduction	https://open.umn.edu/opentextbooks/textbooks/research-methods-for-the-social-sciences-an-introduction
3	The Craft of Sociological Research	https://open.umn.edu/opentextbooks/textbooks/the-craft-of-sociological-research
4	Quantitative Research Methods for the Applied Human Sciences	https://open.umn.edu/opentextbooks/textbooks?q=Quantitative+Research+Methods+for+the+Applied+Human+Sciences



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

Course Type	Course Code	Course Title	Teaching-Learning Scheme	Total Notional Hours	Course credits
			L-P-T		
DSE	P2ANE02ECO01	Entrepreneurship Development	4-0-0	120	04

• Course Learning Outcomes (CLOs)

On completion of this course, students will be able to:

CLO1: Critically analyse the role of entrepreneurship in economic and social development

CLO2: Apply creative and analytical skills to identify and evaluate business opportunities

CLO3: Develop a comprehensive business plan using real-world data and tools

CLO4: Assess institutional, financial, and policy support for entrepreneurship in India.

CLO5: Design a structured business plan integrating marketing, financial, and operational components.

Unit	Course Content	Learning Pedagogies*	CLO(s)
I	Foundations of Entrepreneurship and Economic Development: 1.1 Concepts, definitions, and characteristics of entrepreneurs 1.2 Types and functions of entrepreneurs 1.3 Motivational theories and entrepreneurial behaviour 1.4 Importance of entrepreneurship in economic development 1.5 Entrepreneur vs. Manager: A Comparative Analysis 1.6 Case studies of successful Indian entrepreneurs	CL, CBL, Industrial visit	CLO1
II	Entrepreneurial Process, Innovation, and Opportunity Recognition: 2.1 Entrepreneurial process and lifecycle 2.2 Sources of business ideas and innovation 2.3 Creativity techniques (brainstorming, SCAMPER, design thinking basics) 2.4 Environmental scanning and opportunity identification 2.5 Product planning and development 2.6 Feasibility analysis: Technical feasibility, Market feasibility, and financial feasibility	CL, CBL, Industrial visit	CLO2
III	Business Plan Development and Project Formulation: 3.1 Nature, importance, and scope of business plans 3.2 Components of a business plan: Marketing plan, financial plan, Organizational/operational plan 3.3 Project report preparation 3.4 Risk analysis and mitigation strategies 3.5 Causes of business failure and turnaround strategies	CL, CBL, Industrial visit	CLO3 CLO5



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

IV	Institutional Support, Policies, and Entrepreneurial Ecosystem: Sources of finance and capital structure Role of financial institutions: Small Industries Development Bank of India (SIDBI), Industrial Development Bank of India (IDBI), Industrial Finance Corporation of India (IFCI) Institutional support agencies: District Industries Centres (DICs), Small Industries Service Institutes (SISI) Government initiatives: Startup India, Standup India, Pradhan Mantri Mudra Yojana, Atal Innovation Mission	CL, CBL, Institutional visit	CLO4
----	---	------------------------------	------

- (*) Learning Pedagogies/Methods**

- (a) Classroom Lecture (CL)
- (b) Case-Based Learning (CBL)
- (c) Industrial Visit/Institutional visit

- Assessment Methodologies**

- (A) Internal Assessment**

- a. Internal Formative assessment (30 Marks)**

- (a) Class Assignment (05 Marks)
- (b) Home Assignments (10 Marks)
- (c) Attendance (05 Marks)
- (d) Viva Voce (10 Marks)

- b. Internal Summative Assessment (20 Marks)**

- (a) Mid-term tests (20 Marks)

- (B) Weightage of Learning Efforts for External Assessment**

Unit	Aligned COs	Total Learning Hours	Approximate weightage (Marks) to Learning levels (BT)			Total Marks
			Remember (R)	Understanding (U)	Application/Analyse & above (A)	
I	CLO1	30	2	5	6	13
II	CLO2	32	2	5	5	12
III	CLO3 CLO5	28	2	5	5	12
IV	CLO4	30	2	5	6	13
		120	08	20	22	50

- Assessment and Evaluation**

Sr.No.	Assessment/Evaluation	Component	Weightage (%)
1	Continuous Internal Evaluation	- Class Assignment - Home Assignment - Attendance - Viva-voce - Mid-term tests	50%
2	End-Semester Examination	Written Exam	50 %

(C) CLOs – PLOs Matrix



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

CLO	PLO								
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9
CLO1	3	1	3	2	1	2	–	2	2
CLO2	2	1	2	1	1	3	2	2	2
CLO3	1	2	1	1	–	3	3	2	2
CLO4	1	3	2	3	2	2	1	2	2
CLO5	1	2	1	1	–	3	3	3	2

Values to the CLO-PLO matrix are assigned by **judging the importance of the particular CLO** in relation to the PLOs.

CLO – PLO correlation	Value
Strong	3
Moderate	2
Low	1
No correlation	-

• Suggested Learning Materials Books:

Sr.No.	Title	Author(s)	Edition/Year	Publisher
1	Entrepreneurship Development	Khanka, S. S.	2013	S. Chand
2	Dynamics of Entrepreneurial Development and Management	Desai, V.	2011	Himalaya Publishing House
3	Entrepreneurship: Theory, Process, Practice	Kuratko, D. F	2016	South-Western College Publishing
4	Innovation and Entrepreneurship	Drucker, P. F.	2006	Harper Business
5	Entrepreneurship Development in India	Gupta, C. B., & Srinivasan, N. P.	2014	Sultan Chand

• Online Resources (Open Source)

Sr. No.	Description of Resource(s)	Weblink
1	Women entrepreneurship	Women Entrepreneurship
2	Entrepreneurship skills	NDLI: Entrepreneurship Skills
3	Pradhan Mantri Mudra Yojana	Mudra - Micro Units Development & Refinance Agency Ltd.
4	SIDBI Initiatives	Publications - Small Industries Development Bank of India



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

Course Type	Course Code	Course Title	Teaching-Learning Scheme	Total Notional Hours	Course credits
			L-P-T		
DSE	P2ANE02ECO02	Computer Enabled Learning for Economics	0-8-0	240	04

• Course Learning Outcomes (CLOs)

On completion of this course, students will be able to:

CLO1: Demonstrate understanding of computer hardware, software (system and application), operating systems, and user interfaces.

CLO2: Apply advanced formatting techniques, including insertion of symbols, equations, and structured layouts

CLO3: Perform data entry, cleaning, and worksheet management using spreadsheet tools with appropriate cell referencing.

CLO4: Integrate multimedia elements, hyperlinks, and external resources into presentations.

CLO5: Evaluate and utilize e-resources for economic analysis and academic research.

Unit	Course Content	Learning Pedagogies*	CO(s)
I	Computer Systems, Digital Environment, Ethics and Academic Integrity 1.1 Awareness and demonstration of Hardware and software: system software and application software 1.2 Operating systems and user interface 1.3 Multimedia tools in education and research 1.4 Introduction to digital ecosystems 1.5 Digital etiquettes and ethics 1.6 Academic integrity with AI	Experiential Learning (Practice-based Tasks) ICT-Enabled Learning (LMS-based Tasks, Digital Resources)	CLO1
II	Word Processing for Academic Writing 2.1 Basics of word processing software 2.2 Document creation, editing, formatting, saving in different formats and document management 2.3 Inserting different required symbols, economic equations and its formatting 2.4 Academic formatting: reports, assignments, dissertations	Experiential Learning (Practice-based Tasks) ICT-Enabled Learning (LMS-based Tasks, Digital Resources)	CLO2
III	Spreadsheet and Data Analysis 3.1 Basics of spreadsheets: data entry, data cleaning, cell referencing, and worksheet management 3.2 Data manipulation: sorting, filtering, formatting and processing data 3.3 Functions and formulas for data analysis 3.4 Visual representation of socio-economic data 3.5 Introduction to data interpretation and Power BI	Experiential Learning (Practice-based Tasks) ICT-Enabled Learning (LMS-based Tasks, Digital Resources)	CLO3



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

IV	Presentation tools, e-resources for economic analysis	Experiential Learning (Practice-based Tasks) ICT-Enabled Learning (LMS-based Tasks, Digital Resources)	CLO4 CLO5
	4.1 Using visual platforms to create economic presentations		
	4.2 Learning professional use of visual content presentation tools		
	4.3 Adding hyperlinks connecting presentation to word processing software/spreadsheet/online resources		
	4.4 Inserting various audio-visual formats in visual presentation		
	4.5 e-resources for economic analysis		

- **(*) Learning Pedagogies/Methods**

- (a) Collaborative Learning (Group Tasks, Peer Discussion, Joint Presentations)
- (b) Experiential Learning (Practice-based Tasks)
- (c) ICT-Enabled Learning (LMS-based Tasks, Digital Resources, Virtual Labs)

- **Assessment Methodologies**

- (A) **Internal Assessment**

- a. **Internal Formative assessment (30 Marks)**

- (a) Elementary Lab Assignment (05 Marks)
 - (b) Elaborate Lab Assignment (10 Marks)
 - (c) Attendance (05 Marks)
 - (d) Viva Voce (10 Marks)

- b. **Internal Summative Assessment (20 Marks)**

- (a) Mid-term Lab-based tests (20 Marks)

(B) External Assessment will be based on Lab-based practical exam and will be conducted in the Department of Economics Computer Lab (50 Marks)

- **CLOs – PLOs Matrix**

CLO	PLO								
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9
CLO1	1	1	1	1	1	2	2	1	2
CLO2	1	1	1	1	1	2	2	3	1
CLO3	2	2	2	1	1	3	3	2	1
CLO4	1	1	1	1	1	2	2	3	2
CLO5	2	2	2	2	2	3	3	2	3

Values to the CLO-PLO matrix are assigned by **judging the importance of the particular CLO** in relation to the PLOs.

CLO – PLO correlation	Value
Strong	3
Moderate	2
Low	1
No correlation	-



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

• Assessment and Evaluation

Sr. No.	Assessment/Evaluation	Component	Weightage (%)
1	Continuous Internal Evaluation	- Elementary Lab Assignment - Elaborate Lab Assignment - Attendance - Viva Voce - Mid-term Lab-based tests	50%
2	End-Semester Examination	Lab-based Practical Exam	50%

• Suggested Learning Materials Books:

Sr. No.	Title	Author(s)	Edition/Year	Publisher
1	Data Processing and Information Technology	C. S. French	1996	Cengage Learning EMEA
2	Computer Fundamentals	Sinha P. K	1992	BPB Publications
3	Writing Research Papers: A Complete Guide	James D. Lester	1996	HarperCollins College Div
4	Fundamentals of Computers	Rajaraman	2003	PHI Publication, New Delhi

• Online Resources (Open Source)

Sr. No.	Description of Resource(s)	Weblink
1	Basic concepts of computer	e-PGPathshala
2	Word Processing for Academic Writing	Preview: DCE- 01: General Principles of Writing SWAYAM
3	Data Analysis	Getting Started Microsoft Power BI
4	Presentation Tools	Untitled design - Presentation



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

Course Type	Course Code	Course Title	Teaching-Learning Scheme	Total Notional Hours	Course credits
			L-P-T		
DSE	P2ANE02ECO03	Theories of Agricultural Economics	4-0-0	120	04

● Course Learning Outcomes (CLOs)

On completion of this course, students will be able to:

CLO1: Explain key concepts of land reforms, agricultural labour, demand and supply, and production functions.

CLO2: Apply economic principles to analyse agricultural markets, labour dynamics, and farm management.

CLO3: Analyse the impact and limitations of land reforms and agricultural labour issues.

CLO4: Evaluate agricultural development theories in the Indian context.

CLO5: Design policy measures and farm plans for improving productivity and labour welfare.

Unit	Course Content	Learning Pedagogies*	CLO(s)
I	Land Reforms and Agricultural Labour in India: 1.1 Land reforms - tenancy reforms - ceiling of land holdings 1.2 Implementation of land reforms and their impact - suggestions for improvement. 1.3 Agricultural Labour – classification, causes of growth of agricultural labour - demand for and supply of labour 1.4 Migrant agricultural labour in India - reasons - effects - suggestions	CL, PBL	CLO1 CLO2 CLO3
II	Demand and supply behaviour: 2.1 Demand and supply behaviour – importance – determinations – Kinked output path response 2.2 Cobweb theorem of cyclically fluctuating supply 2.3 Supply response in agriculture – normal response – production and marketed surplus are inversely related to prices – supply is insensitive to price changes 2.4 Farm efficiency measures – Farm planning – Farm Budgeting	CL, ICT-Enabled Learning (Digital Resources)	CLO2 CLO3 CLO4
III	Theories of agricultural development: 3.1 Stages of agricultural development - role of the state in different phases 3.2 Schultz's transformation of traditional agriculture - definition - main characteristics - suggestions - diagrammatic representation - critical evaluation 3.3 Mellor's theory of agricultural development - stages of agricultural development - critical evaluation	CL, PBL, Self-Directed Learning (Guided Readings)	CLO3 CLO4 CLO5 CLO2



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

	3.4 Boserup's theory of agricultural development - view about Malthusian theory of population - stages of agricultural development - growing population and other changes - present-day underdeveloped economies - critical appraisal		
IV	Agricultural production function: 4.1 Increasing and decreasing production function 4.2 Factor-product relationship (Input - output relationship) 4.3 Factor-factor relationship - isoquant and isocosts - rational and irrational stage – expansion path 4.4 Product-product relationship – production possibility - optimum combination	CL, PBL, Self-Directed Learning (Guided Readings)	CLO4 CLO5 CLO3 CLO1

- (*) **Learning Pedagogies/Methods**
 - (a) Classroom Lecture (CL)
 - (b) Problem-Based Learning (PBL)
 - (c) ICT-Enabled Learning (LMS-based Tasks, Digital Resources, Virtual Labs/Webinars)
 - (d) Self-Directed Learning (Guided Readings, Concept Exploration Tasks)

• Assessment Methodologies

(A) Internal Assessment

a. Internal Formative assessment (30 marks)

- (a) Class Assignment (05 Marks)
- (b) Home Assignment (10 Marks)
- (c) Attendance (05 Marks)
- (d) Viva-voce (10 Marks)

b. Internal Summative Assessment (20 marks)

- (a) Mid-term tests (20 Marks)

(A) Weightage of Learning Efforts for External Assessment

Unit	Aligned COs	Total Learning Hours	Approximate weightage (Marks) to Learning levels (BT)			Total Marks
			Remember (R)	Understanding (U)	Application/ Analyse & above (A)	
I	CLO1 CLO2 CLO3	28	2	5	5	12
II	CLO2 CLO3 CLO4	30	2	5	5	12
III	CLO3 CLO4 CLO5 CLO2	32	2	5	6	13



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

IV	CLO4 CLO5 CLO3 CLO1	30	2	5	6	13
		120	08	20	22	50

● Assessment and Evaluation

Sr. No.	Assessment/Evaluation	Component	Weightage (%)
1	Continuous Internal Evaluation	- Class Assignment - Home Assignment - Attendance - Viva voce - Mid-term tests	50%
2	End-Semester Examination	Written Examination	50%

(B) CLOs – PLOs Matrix

CLO	PLO								
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9
CLO1	3	1	2	3	1	2	1	1	2
CLO2	3	2	2	3	1	3	2	2	2
CLO3	2	2	3	3	1	3	1	1	3
CLO4	2	1	3	2	2	2	1	2	2
CLO5	2	3	3	3	1	3	2	2	3

Values to the CLO-PLO matrix are assigned by judging the importance of the particular CLO in relation to the PLOs.

CLO – PLO correlation	Value
Strong	3
Moderate	2
Low	1
No correlation	-

● Suggested Learning Materials Books:

Sr. No.	Title	Author(s)	Edition/Year	Publisher
1	Agricultural Economics: An Indian Perspective	R. K. Lekhi Joginder Singh	2021	Kalyani Publishers
2	Principles and Problems: Agricultural Price Distribution Technical Address	M. L. Dantwala	1965	Society of Agricultural Research
3	Leading Issues in Agricultural Economics	R. N. Soni Sangeeta Malhotra	2020	Vishal Publishing Co.
4	The Economics of Agricultural Production and Resource Use	E. O. Heady	2012	Kalyani Publishers
5	Introduction to Agricultural Economic Analysis	C. E. Bishop W.D. Tonssaint	1963	Wiley



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

6	Farm Management Economics	E. O. Heady H. R Jensen	1954	Englewood Cliffs
7	Transforming Traditional Agriculture	T. W. Schultz	1964	Yale University Press

● Online Resources (Open Source)

Sr. No.	Description of Resource(s)	Weblink
1	National Bank for Agriculture and Rural Development	www.nabard.org/
2	Department of Agriculture and Farmers' Welfare, Government of India	https://www.agriwelfare.gov.in/
3	Economic Survey	https://www.indiabudget.gov.in/
4	Agricultural Statistics at a Glance	https://agriwelfare.gov.in/en/Agricultural Statistics at a Glance



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

Course Type	Course Code	Course Title	Teaching-Learning Scheme	Total Notional Hours	Course credits
			L-P-T		
DSE	P2ANE02ECO04	Applications of Environmental Economics	4-0-0	120	04

• Course Learning Outcomes (CLOs)

On completion of this course, students will be able:

CLO1: Analyze economic instruments of environmental policy and evaluate their effectiveness for promoting environmental conservation

CLO2: Examine the characteristics of exhaustible and renewable natural resources

CLO3: Examine the theories and models for optimal, sustainable use of renewable and exhaustible natural resources

CLO4: Examine the theories of collective action for managing Common Property Resources (CPRs)

CLO5: Critically evaluate major environmental laws and regulations and their implementation

CLO6: Examine the role of informal environmental movements in conservation of the environment

Unit	Course Content	Learning Pedagogies*	CLO(s)
I	Economic Instruments of Environmental Policy and Informal Environmental Regulation: 1.1 Command and Control measures (CAC) 1.2 Regulatory measures and market-based instruments (MBI) 1.3 Pigouvian taxes and subsidies for mitigating externalities 1.4 Marketable pollution permits 1.5 Carbon credit trading system, mixed instruments 1.6 Coasian bargaining solution and collective action 1.7 Informal, grass roots movements for environmental conservation	CL, CBL, PBL Reflective Practices (Concept Mapping)	CLO1
II	Natural Resources: 2.1 Types of natural resources 2.2 Theories of optimal use of exhaustible and renewable natural resources	CL, Reflective Practices (Concept Mapping)	CLO2 CLO3
III	Theories of Common Property Resources (CPR) Management: 3.1 Olson's theory 3.2 Oakeson's theory 3.3 Buchanan & Tullock's theory 3.4 Game Theory Approach 3.5 Elinor Ostrum's theory	CL, CBL, Reflective Practices (Concept Mapping)	CLO4



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

IV	Environmental Laws:	CL, CBL ICT-Enabled Learning (Digital Resources)	CLO5 CLO6
	4.1 Major environmental laws in India		
	4.2 Critical evaluation of environmental laws in India		
	4.3 Environmental Policy, Objectives, Instruments and Limitations		
	4.4 Environmental Policy in India		

- (*) Learning Pedagogies/Methods**

- (a) Classroom Lecture (CL)
- (b) Problem-Based Learning (PBL)
- (c) Reflective Practices (Concept Mapping)
- (d) Case-Based Learning (CBL)
- (e) ICT-Enabled Learning (Digital Resources)

- Assessment Methodologies**

- (A) Internal Assessment**

- a. Internal Formative assessment (30 marks)**

- (a) Class Assignment (05 Marks)
- (b) Home Assignment (10 Marks)
- (c) Attendance (05 Marks)
- (d) Viva-voce (10 Marks)

- b. Internal Summative Assessment (20 marks)**

- (a) Mid-term tests (20 Marks)

- (B) Weightage of Learning Efforts for External Assessment**

Unit	Aligned COs	Total Learning Hours	Approximate weightage (Marks) to Learning levels (BT)			Total Marks
			Remember (R)	Understanding (U)	Application/Analyse & above (A)	
I	CLO1 CLO2	30	2	5	6	13
II	CLO3	30	2	5	5	12
III	CLO4	30	2	5	5	12
IV	CLO5 CLO6	30	2	5	6	13
		120	08	20	22	50

- (C) CLOs – PLOs Matrix**

CLO	PLO								
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9
CLO1	1	1	3	3	1	3	2	2	2
CLO2	2	1	3	3	1	2	1	1	1
CLO3	3	1	3	3	1	3	2	1	2
CLO4	2	1	2	3	2	2	1	1	3
CLO5	1	2	2	3	2	3	1	2	3
CLO6	1	1	2	3	3	2	1	2	3



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

Values to CLO-PLO matrix are assigned by **judging the importance of the particular CLO** in relation to the **PLOs**.

CLO – PLO correlation	Value
Strong	3
Moderate	2
Low	1
No correlation	-

• Assessment and Evaluation

Sr. No.	Assessment/Evaluation	Component	Weightage (%)
1	Continuous Internal Evaluation	- Class Assignment - Home Assignment - Attendance - Viva-voce - Mid-term tests	50%
2	End-Semester Examination	Written Exam	50%

• Suggested Learning Materials Books:

Sr. No.	Title	Author(s)	Edition/Year	Publisher
1	The Theory of Environmental Policy	Baumol, W.J. and W.E. Oates	1988 2 nd Edition	Cambridge University Press
2	Handbook of Environmental Economics	Bromley, Daniel W. (Ed.)	1995 1 st Edition	Blackwell Publishers
3	Environmental Economics and Management: Theory, Policy and Applications	Callan, S.J. and J.M. Thomas	2000 2 nd Edition	South-Western College Publishing
4	Economic Analysis of Environmental Impacts	Dixon, J.A. et al.	1994 2 nd Edition	Earthscan Publications Ltd., London
5	Introduction to Environmental Economics	Hanley, N. et al.	2001 1 st Edition	Oxford University Press, New York
6	Natural Resource Economics: Theory and Applications in India	Kerr, John M. et al (Eds)	1997	Oxford & IBH Publishing Co. Pvt. Ltd, New Delhi
7	Environmental Economics and Policy	Lesser, J.A. et al.	1997	Addison-Wesley
8	The Earthscan Reader in Environmental Economics	Markandya, Anil and J. Richardson (Eds.)	1992	Earthscan Publications Ltd., London
9	Economics of Natural Resources and the Environment	Pearce, D.W. and R.K. Turner	1990	Johns Hopkins University Press, Baltimore.



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

10	Managing Common Pool Resources: Principles and Case Studies	Singh, Katar	1994	Oxford University Press.
11	Environmental Economics and Policy	Tietenberg, Tom	2001	Addison-Wesley
12	Environmental Economics: An Indian Perspective	Bhattacharya, R.N. (Ed.)	2001	Oxford University Press.
13	The Cost of Inaction: Valuing the Economy-wide Costs of Environmental Degradation in India	Brandon, C., K. Hommann and N.M. Kishor	1995	UNU Conference on the 'Sustainable Future', October 16-18, Tokyo, Japan.
14	Environmental Economics: An Introduction	Field, B.C. and M. Field	2002	McGraw-Hill Irwin (3rd ed.)
15	Paryavaraniya Arthashastrana Payana Siddhanto"	Khakhhar, K.K.,	2004	Adarsh Printing Press, Rajkot

• Online Resources (Open Source)

Sr. No.	Description of Resource(s)	Web link
1	UNEP - United Nations Environment Programme	www.unep.org
2	CPCB - Central Pollution Control Board, India, MoEFCC, Government of India	cpcb.nic.in
3	MoEFCC - Ministry of Environment, Forest and Climate Change, Government of India	moef.gov.in
4	DoWR, RD & GR - Department of Water Resources, River Development & Ganga Rejuvenation (Ministry of Jal Shakti), Government of India	jalshakti-dowr.gov.in
5	NGT - National Green Tribunal, India	greentribunal.gov.in



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

Course Type	Course Code	Course Title	Teaching-Learning Scheme	Total Notional Hours	Course credits
			L-P-T		
DSE	P2ANE02ECO05	Economic Development of Rural India	4-0-0	120	04

• Course Learning Outcomes (CLOs)

On completion of this course, students will be able to:

CLO1: Explain the concept, nature, scope, and importance of rural development

CLO2: Analyse the role of agricultural, allied, and non-agricultural sectors in rural development

CLO3: Examine the progress, problems, and institutional support for rural industrialization and assess the role of SMEs.

CLO4: Critically analyse major rural development programmes like MGNREGA, PMAY-G, PMGSY, and PM-Kisan

CLO5: Evaluate the effectiveness of rural development programs

Unit	Course Content	Learning Pedagogies*	CLO(s)
I	Rural Development 1.1 Concept, nature, scope, and objectives of Rural Development 1.2 Structure and characteristics of the rural economy in India 1.3 Role of agriculture, allied, and non-farm sectors 1.4 Rural transformation since Independence 1.5 Challenges & opportunities (Digitalisation, climate change, migration)	CL, Collaborative Learning	CLO1 CLO2
II	Strategies for Sustainable Development 2.1 Introduction - The Concepts of Sustainability and Sustainable Development 2.2 Some Indicators of Non-sustainable Development 2.3 A Critical Review of India's Strategies of Rural Development 2.4 Contents - Some Elements of a New Strategy for Sustainable Development	CL, PBL	CLO1
III	Rural Industrialization 3.1 Rural Industrialization in India: Progress and Problems 3.2 Rational Approach - Institutional Support - Future Task. 3.3 SMES in rural development- Role, Importance and limitations	CL, PBL	CLO1 CLO3
IV	Determinants of Rural Development 4.1 Change in Output - Changes in the Utilisation of Natural Resources – Employment, Capital, Technology and Industrial framework 4.2 Approaches to Rural Development: MGNREGA, PMAY-G, PMGSY, PM-Kisan. 4.3 MF.A.L.A.- D.P.A.P. - D.D.P. - I.R.D.P., D.W.C.R.A. 4.4 Self-help groups in Rural Development	CL, Inquiry-Based Learning	CLO1 CLO4



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

- (*) **Learning Pedagogies/Methods**
 - (a) Classroom Lecture (CL)
 - (b) Problem-Based Learning (PBL)
 - (c) Collaborative Learning (Group Tasks, Peer Discussion, Joint Presentations)
 - (d) Inquiry-Based Learning
- Assessment Methodologies**
 - (A) **Internal Assessment**
 - a. **Internal Formative assessment (30 Marks)**
 - (a) Class Assignment (05 Marks)
 - (b) Home Assignments (10 Marks)
 - (c) Attendance (05 Marks)
 - (d) Viva Voce (10 Marks)
 - b. **Internal Summative Assessment (20 Marks)**
 - (b) Mid-term tests (20 Marks)

(B) Weightage of Learning Efforts for External Assessment

Unit	Aligned COs	Total Learning Hours	Approximate weightage (Marks) to Learning levels (BT)			Total Marks
			Remember (R)	Understanding (U)	Application/Analyse & above (A)	
I	CLO1 CLO2	30	2	5	6	13
II	CLO1 CLO3	32	2	5	5	12
III	CLO1 CLO4	28	2	5	5	12
IV	CLO1 CLO5	30	2	5	6	13
		120	08	20	22	50

Assessment and Evaluation

Sr. No.	Assessment/Evaluation	Component	Weightage (%)
1	Continuous Internal Evaluation	- Class Assignment - Home Assignment - Attendance - Viva-voce - Mid-term tests	50%
2	End-Semester Examination	Written Exam	50%



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

(C) CLOs – PLOs Matrix

CLO	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9
CLO1	3	1	2	3	1	1	-	2	2
CLO2	2	1	3	3	1	2	-	2	2
CLO3	2	2	2	3	1	2	1	2	2
CLO4	2	3	3	3	1	3	2	2	3
CLO5	2	3	3	2	1	3	3	2	3

Values to CLO-PLO matrix are assigned by judging the importance of the particular CLO in relation to the PLOs.

CLO – PLO correlation	Value
Strong	3
Moderate	2
Low	1
No correlation	-

• Suggested Learning Materials Books:

Sr. No.	Title	Author(s)	Edition/Year	Publisher
1	Rural Development - principles policies and Management	Katar Singh	1999	Sage Publications, New Delhi.
2	Rural Development	I. Satyasundaram	1999	Himalaya Publishing House
3	Economic Liberalisation and Indian Agriculture	Bhalla. G. S.	1994	Institute for Studies in Industrial Development, New Delhi.
4	Agricultural Change and Rural Poverty	John Mellor and Guntant Desai	1986	Oxford University Press, Bombay.

• Online Resources (Open Source)

Sr. No.	Description of Resource(s)	Weblink
1	Details regarding MSME by MSME Ministry	E-Book On Schemes of MSME-2025 (English) Ministry of Micro, Small & Medium Enterprises
2	Sustainable Development & Indicators	Publications United Nations Development Programme
3	Rural Development Programmes & Policies	1_MGNREGA_Act.pdf



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

Course Type	Course Code	Course Title	Teaching-Learning Scheme	Total Notional Hours	Course credits
			L-P-T		
SKILL	P2ANS02ECO01	Financial Literacy	2-0-0	60	02

• Course Learning Outcomes (CLOs)

On completion of this course, students will be able to:

CLO1: Develop a comprehensive and operational understanding of financial literacy, including its conceptual foundations, components (knowledge, behaviour, attitude, and well-being), and its significance for youth in achieving financial inclusion and stability.

CLO2: Analyze income sources (active and passive) and real income, along with taxation systems, salary components, and digital financial practices (e.g., net banking), to design efficient budgeting and expenditure strategies.

CLO3: Apply principles of savings, credit management, and investment decision-making by comparing financial instruments (insurance, mutual funds, SIPs, shares, debentures, and other assets) in terms of risk, return, liquidity, and time horizon.

CLO4: Design lifecycle-based financial plans incorporating goal setting, emergency funds, credit choices, and retirement planning to ensure long-term financial security and well-being.

CLO5: Critically evaluate the determinants and barriers to financial literacy, including socio-economic, institutional, and behavioural factors, and assess their implications for individual financial decision-making and policy interventions.

Unit	Course Content	Learning Pedagogies*	CLO(s)
I	Fundamental aspects of Financial Literacy: 1.1 Meaning, definition and operational definition of financial literacy 1.2 Importance of Financial Literacy for a youth 1.3 Components of financial literacy (financial knowledge, behaviour, attitude, and well-being) 1.4 Reasons for low financial literacy 1.5 Factors affecting financial literacy	CL, CBL, PBL, Collaborative learning, self-directed learning	CLO1 CLO5
II	Knowledge of Various aspects related to financial decision making: 2.1 Avenues of income sources (active and passive), concept of real income, understanding salary slips 2.2 Taxation and Expenditure, net banking and safety aspects, creating a budget 2.3 Savings and credit: setting goals, emergency funds, comparing options to seek credit 2.4 Investments and rate of returns, duration, amount/percentage of income: Insurance, assets, SIPs, mutual funds, shares, debentures 2.5 Planning for various stages of life and retirement	CL, CBL, PBL, Collaborative learning, self-directed learning	CLO2 CLO3 CLO4 CLO5



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

- **(*) Learning Pedagogies/Methods**
 - (a) Classroom Lecture (CL)
 - (b) Case-Based Learning (CBL)
 - (c) Problem-Based Learning (PBL)
 - (d) Collaborative Learning (Group Tasks, Peer Discussion, Joint Presentations)
 - (e) Self-Directed Learning (Guided Readings, Concept Exploration Tasks)
- **Assessment Methodologies**
 - (A) Internal Assessment**
 - a. Internal Formative Assessment (15 Marks)**
 - (a) Home Assignment – 07 marks
 - (b) Viva voce – 05 marks
 - (c) Attendance – 03 marks
 - b. Internal Summative Assessment (10 Marks)**
 - (a) Mid-term test: 10 marks

(B) Weightage of Learning Efforts for External Assessment

Unit	Aligned CLOs	Total Learning Hours	Approximate weightage (Marks) to Learning levels (BT)			Total Marks
			Remember (R)	Understanding (U)	Application/ Analyse & above (A)	
I	CLO1 CLO5	32	2	5	5	12
II	CLO2 CLO3 CLO4 CLO5	28	2	5	6	13
		60	04	10	11	25

• Assessment and Evaluation

Sr. No.	Assessment/Evaluation	Component	Weightage (%)
1	Continuous Internal Evaluation	• Home Assignment • Viva voce • Attendance • Mid-term tests	50%
2	End-Semester Examination	Written Exam	50%



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II

• CLOs – PLOs Matrix

CLO	PLO								
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9
CLO1	2	2	1	-	-	2	-	1	2
CLO2	2	3	-	-	-	3	2	1	2
CLO3	1	3	-	-	-	3	2	1	2
CLO4	-	2	2	-	-	3	1	2	3
CLO5	2	2	3	2	1	3	2	2	2

Values to CLO-PLO matrix are assigned by judging the importance of the particular CLO in relation to the PLOs.

CLO – PLO correlation	Value
Strong	3
Moderate	2
Low	1
No correlation	-

• Suggested Learning Materials Books:

Sr.No.	Title	Author(s)	Edition/Year	Publisher
1	The Almanack of Naval Ravikant: A Guide to Wealth and Happiness	Eric Jorgenson	September 2021	Harper business
2	Rich Dad Poor Dad	Robert T. Kiyosaki	April 2022	Plata Publishing
3	The Psychology of Money	Morgan Housel	2020	Harriman House
4	Let's Talk Money: You've Worked Hard for It, Now Make It Work for You	Monika Halan	July 2018	Harper Business
5	The Big Book of Financial Literacy for Teenagers	Vandana Verma	January 2026	Diamond books

• Online Resources (Open Source)

Sr. No.	Description of Resource(s)	Weblink
1	A podcast by Naval Ravikant on 'How to get rich'	https://www.youtube.com/watch?v=1-TZqOsVCNM
2	e-pathshala's content prepared for UGC, MHRD for financial literacy	https://vidyamitra.inflibnet.ac.in/data-server/eacharya-documents/64df692b8007becee3432635_INFIEP_851/1/ET/Module-1%20Financial%20Literacy.pdf
3	Notes entitled 'The ultimate guide to financial literacy from adults' a part of a series of notes by Investopedia	https://www.investopedia.com/guide-to-financial-literacy-4800530
4	Notes entitled 'Financial literacy basics for adults' by Metis nation for Ontario	https://www.metisnation.org/wp-content/uploads/2022/01/Financial-Literacy-Basics-for-Adults.pdf
5	While all the units in this link provided by renowned Khan Academy are resourceful, particularly units 1 to 9 are of explicit relevance to the defined syllabus	Unit 1 to 9 from https://www.khanacademy.org/college-careers-more/financial-literacy



SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

NAAC 'A' Grade (10-01-2023 To 09-01-2028)

NEP-2020 aligned Curriculum with effect from Academic Year 2026-27

Masters of Arts (Economics) Semester-II
