



Integral University, Lucknow

Effective from Session: 2025-26											
Course Code	A080703T/HE413	Title of the Course	Monetary Economics	L	T	P	C				
Year	IV	Semester	VII	4	0	0	4				
Pre-Requisite	Intermediate	Co-requisite	None								
Course Objectives	This course analyses the significant role of Money and Banks in the economy. The course deals with banks and financial markets, which are most significant in the process of growth and development. Since reforms were introduced in the financial sector; many new concepts have emerged in this sector. For the students of economics, it is essential to understand and analyze these new concepts as well as monetary forces and real forces, their development role, and limitations in shaping and influencing the monetary and related policies both at the national and international levels.										
Course Outcomes											
CO1	Given the historical evolution and functional forms of money, students will be able to evaluate the role of money in modern economic systems, particularly in the Indian context.										
CO2	With the help of classical and modern theories, students will critically analyze different measures and determinants of money supply in India, including perspectives from the Quantity Theory and Wicksell's approach.										
CO3	Given the structure of the Indian banking system, students will be able to assess the role of financial intermediation, financial inclusion, and banking sector development.										
CO4	By comparing Indian banking structures with global counterparts, students will evaluate reform initiatives and regulatory challenges in the domestic and international banking environments.										
CO5	Given different theoretical approaches, students will examine and apply various theories of the demand for money to interpret real-world monetary dynamics.										
CO6	Using monetary instruments and policy reports, students will analyze reforms in Indian money and capital markets and assess the roles of institutions such as the RBI and SEBI.										
CO7	Given policy frameworks, students will evaluate the objectives, tools, and transmission mechanisms of monetary policy and assess the trade-offs between rules and discretion.										
CO8	With the use of recent Indian macroeconomic episodes, students will critically analyze case studies such as demonetization, inflation targeting, and global financial shocks using empirical data.										
Unit No.	Content of Unit			Contact Hrs.		Mapped CO					
1.	Introduction to Money and Monetary Systems: Money: History, Concept and Function; Measures of money supply in India; RBIs analysis of money supply; New monetary aggregates and Liquidity Aggregates.			05		CO1					
2.	Theories of Money Supply: Monetary theory: Quantity Theory of Money, Wicksell's Contribution, Keynes Theory of Money and Prices.			05		CO2					
3.	The Indian Banking System and Financial Intermediation: Indian banking system: Meaning and Types of Banks, Functions of Banks, Changing role and structure;			05		CO3					
4.	Comparative Banking Systems: Latest Trends in Banking Sector, Comparison of India with other developed countries. Banking sector reforms in India.			05		CO4					
5.	Theories of Demand for Money: Liquidity preference theory, Baumol's Inventory theory approach, Tobin portfolio approach, Friedman's restatement of the quantity theory of money, Patinkin's real balance effect, Monetary neutrality view of real business cycle theory.			05		CO5					
6.	Structure and Reforms in Indian Financial Markets: Money and Capital Markets: Organization, structure, and reforms in India; Major recommendations of the Chakravarty committee and Narasimham committee I & II.			05		CO6					
7.	Monetary Policy Frameworks and Mechanisms: Objectives, Intermediate targets, Instruments; Rules versus discretion; Monetary transmission mechanism and targeting; Financial globalization and impossible trinity;			05		CO7					
8.	Monetary Policy in Practice: India Case Studies Balance sheet of RBI; Impossible Trinity; Demonetization in India: A critical assessment			05		CO8					
Reference Books:											
1. Gupta S.B, Monetary Economics, S Chand and Co., New Delhi, 2001											
2. Jadhav N, Monetary Policy, Financial Stability and Central Banking in India, Macmillan India Ltd											
3. RBI, Report on currency and finance (various issues)											
4. Gregory Mankiw, N, Macroeconomics, 7th Ed., Worth Publishers.											
5. Government of India, Economic Survey (various issues)											
6. Lewis MK and Mizen PD, Monetary Economics, Oxford University Press, London											
7. Honda J, Monetary Economics, Routledge, New York, 2000											
8. Gibson, W.E. & G.C. Kaufman (Ed.), Monetary Economics: Readings of Current Issues.											
9. Kulkarni K G, Modern Monetary Theory, Macmillan India Ltd., 1999											
10. Khan, M. Y, Indian Financial System. Tata McGraw Hill, New Delhi.											
11. Fleming N, Monetary Economics: Macmillan Studies in Economics											
12. Gurley and Shaw, Money in a Theory of Finance, Brookings Institution, Washington.											
E-Learning Source:											
https://swayam.gov.in/ ; http://www.ignouhelp.in/ignou-study-material/											
Course Articulation Matrix: (Mapping of COs with POs and PSOs)											
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	1	2	2	2	2	3	2	2	2
CO2	3	3	2	2	3	2	1	2	3	2	3
CO3	3	3	2	2	2	3	2	2	3	2	3
CO4	3	2	2	2	2	2	3	3	2	2	3
CO5	3	3	2	2	3	2	1	2	3	2	3
CO6	3	3	2	3	2	3	2	2	3	2	3
CO7	3	2	2	2	3	2	3	3	3	2	3
CO8	3	3	2	3	3	2	2	3	3	2	3
1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation											
Name & Sign of Program Coordinator						Sign & Seal of HoD					



Integral University, Lucknow

Effective from Session: 2025-26							
Course Code	A080702T/HE414	Title of the Course	Rural Economics	L	T	P	C
Year	IV	Semester	VII	4	0	0	4
Pre-Requisite	Intermediate	Co-requisite	None				
Course Objectives	This course aims to equip students with foundational knowledge of financial economics, focusing on time value of money, investment evaluation, and security valuation. It also introduces risk-return analysis, cost of capital, asset pricing models, and financial derivatives.						

Course Outcomes	
CO1	Given foundational concepts, students will define the scope and characteristics of rural economics and assess its role in national development.
CO2	Using development approaches, students will compare Gandhian and Green Revolution models and analyze their implications on rural prosperity.
CO3	With institutional frameworks, students will evaluate the role of financial inclusion and land reforms in rural transformation.
CO4	Given resource and economic indicators, students will analyze diversification strategies and assess major issues like poverty and inequality in rural areas.
CO5	Using strategic frameworks, students will distinguish among rural development strategies and evaluate their effectiveness across socio-economic dimensions.
CO6	Given programme objectives, students will assess rural development schemes and diversification as key drivers of rural economic sustainability.
CO7	Using household data, students will evaluate rural asset ownership patterns and examine the impact of credit structures and cooperatives on financial well-being.
CO8	With institutional case studies, students will analyze the role of banking institutions and evaluate policy efforts toward financial inclusion in rural India.

Unit No.	Content of Unit	Contact Hrs.	Mapped CO
1.	Rural Economics; Concept, Scope, Basic Elements, Objectives and Importance of Rural Economics, Characteristics of Rural Economy; Rural-Urban Linkages, Rural Economy of India; Size and Structure of Rural Economy.	05	CO1
2.	Approaches to Rural Development in India-Gandhian Approach, Rural development through Green Revolution, Rural prosperity through direct attack on Poverty	05	CO2
3.	Rural Development through Financial Inclusion, Multi-sectoral, Territorial and Local Resource Use; Land Utilization and Land Reform	05	CO3
4.	Natural Resources and their importance in Rural Development Diversification of Rural Economy; Rural Industrialisation: Problems of Rural Economy; Poverty, Unemployment, Inequality.	05	CO4
5.	Strategies of Rural Development; Growth oriented strategy, Welfare strategy, Responsive strategy, Holistic strategy, Right-based strategy.	05	CO5
6.	Rural Development Programmes; Objectives and Appraisal (SJGSY and MGNREGS) Rural Economy; Diversification as strategy of Development.	05	CO6
7.	Asset distribution of rural households in India over time, Indebtedness of rural households, non-institutional and institutional sources of credit, role of co-operatives,	05	CO7
8.	Schedule Commercial Banks, Regional Rural Banks and NABARD, Schemes of Financial Inclusion.	05	CO8

Reference Books:

1.	Bilgrami S. A.R. An Introduction to Agricultural Economics, Himalaya Publishing House, Mumbai.
2.	Dandekar V.M The Indian Economy 1947-92 Vol 1: Agriculture, Sage Publishing House
3.	Lekhi R.K., and Joginder Singh, Agricultural Economics, Kalyani Publishers
4.	Schultz T.W. Economic Growth and Agriculture, McGraw Hill
5.	Surinder S. Jodhka, A Handbook of Rural India, Orient Blackswan
6.	Relevant Government publications.
7.	Maheshwari S.-Rural Development in India
8.	Report on MFDL-R.B.I. Mumbai
9.	Mathur B.S.-Co-operation in India
10.	Desai, Vasant-Study of Rural Economics, Himalaya Publishing Company, New Delhi.
11.	Jain P.C.-Agricultural Reforms in India

E-Learning Source:

<https://swayam.gov.in/>
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PO-PSO CO	Course Articulation Matrix: (Mapping of COs with POs and PSOs)										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	3	2	2	2	2	2	3	2	2
CO2	3	3	2	2	2	2	2	2	3	2	2
CO3	3	2	3	2	2	3	2	2	2	2	3
CO4	3	3	2	2	3	2	3	2	3	2	2
CO5	3	3	2	2	3	2	2	2	3	2	3
CO6	3	3	3	2	3	2	3	3	2	2	3
CO7	3	2	2	2	2	2	2	2	3	2	2
CO8	3	3	2	2	3	2	2	3	2	2	3

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator	Sign & Seal of HoD
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Integral University, Lucknow

Effective from Session: 2025-26

Course Code	A080702T/HE415	Title of the Course	Environmental Economics	L	4	T	0	P	0	C	4
Year	IV	Semester	VII								
Pre-Requisite	Intermediate	Co-requisite	None								
Course Objectives	Students will come to know about the relevance of environmental economics and how sometimes market fail to allocate environmental resources optimally and they will be familiarized with the basic concepts of ecology, environment and economy, Sustainable development, environmental impact assessment along with Global and local environmental concerns.										

Course Outcomes

CO1	Given ecological and economic frameworks, students will describe the scope and significance of environmental economics and analyze environment-economy interactions.
CO2	Using regulatory tools and policy measures, students will explain market failure and evaluate instruments like Pigouvian taxes and India's NAPCC framework.
CO3	With reference to classical development theories, students will analyze environmental implications and interpret sustainability through the Environmental Kuznets Curve.
CO4	Using global frameworks, students will evaluate India's SDG alignment and assess carbon trading and green accounting mechanisms.
CO5	Given theoretical models, students will assess externalities, property rights, and common resource dilemmas using tools like the Coase Theorem.
CO6	Using valuation techniques, students will explain the need and challenges in environmental valuation and apply methods such as travel cost and hedonic pricing.
CO7	With international case studies, students will evaluate climate change causes and responses, including major global agreements like Kyoto and Paris.
CO8	Given global trade frameworks, students will examine the environmental implications of trade and analyze different forms of pollution and mitigation strategies.

Unit No.	Content of Unit	Contact Hrs.	Mapped CO
1	Meaning, importance and scope of Environmental Economics; Evolution and Growth of Environmental economics; Environment, Ecology and Economy; Interaction between economy and environment; Ecological cycles.	05	CO1
2	Market Failure; The Pigouvian tax-subsidy approach; Emission Standard and Effluent Charges; National Action Plan for Climate Change (NAPCC).	05	CO2
3	Environment and Economic Development: Adam Smith's, Ricardian, Malthusian and Marxian Theory; Environmental Kuznets Curve; Economics of Sustainability: Weak and Strong Sustainability.	05	CO3
4	Sustainable Development Goals (SDGs) and India's position; Resources: Types, Renewable and Non-Renewable resources; Carbon Trading; Green Accounting.	05	CO4
5	The Theory of Externality- Positive & Negative Externality; Public Goods; Private Goods; Public Bads; Coase's Theorem and Property Rights; Common pool resources and Tragedy of commons.	05	CO5
6	Indicators of Economy and Environment; Environmental Valuation- Meaning, Need for Environmental Valuation, Difficulty in Measuring Environmental Values; Methods of Environmental Valuation: Travel cost method and Hedonic pricing method.	05	CO6
7	Global environmental issues; Overview of climate change: Causes, Possible effects; Adaptation and mitigation measures for climate change; Kyoto Protocol, Copenhagen, Paris Agreement.	05	CO7
8	International Trade and Environment under WTO; Ozone Depletion, Acid Rain, Global Warming and Greenhouse Effect; Types of pollution and its controlling measures.	05	CO8

Reference Books:

1. Bharucha, Erach: Parya varan Adhyann, Orient Black swan.
2. Bhattacharya, Rabindra Nath (2002): Environmental Economics – An Indian Perspective, Oxford University Press.
3. Eugene, T (2005): Environmental Economics, Vrinda publications, Delhi.
4. Jhingan, M.L. & Sharma, C.K (2009): Environmental Economics Theory Mgt & Policy, Vrinda publications, Delhi.
5. Kolstad, Charles. D (2012): Intermediate Environmental Economics, Oxford University Press.
6. Nagre, Vijay H (2012): Environmental Economics, Chandralok Prakashan.
7. Bromely, D. W. (ed.). Handbook of Environmental Economics. Blackwell, 1995
8. Dasgupta, P and Heal, G. M. Economic Theory and Exhaustible Resources. Cambridge: Cambridge University Press, 1979.
9. Sankar, U. (ed.). Environmental Economics, Oxford University Press., 2000
10. Karpagam M. Environmental Economics: A text book, Sterling Publishers Pvt. Ltd. Green Park Ext. New Delhi-16, 1992
11. United Nations. Accounting and Valuation of Environment, Vol. I and II: A primer for developing countries, New York: ESCAP, 1997.
12. World Bank. Development and the environment. World Development Report series. Washington, D.C.: World Bank, 1992.

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CO3	3	2	2	2	2	3	3	2	2	2	2
CO4	3	3	2	3	2	3	3	3	2	2	3
CO5	3	2	2	2	3	3	3	2	3	2	2
CO6	3	3	2	2	2	2	3	3	2	3	3
CO7	3	2	2	2	2	2	3	2	2	2	2
CO8	3	3	2	3	2	3	3	3	2	2	3

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator	Sign & Seal of HoD
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Integral University, Lucknow

Effective from Session: 2025-26							
Course Code	HM402	Title of the Course	Advanced Research Methodology	L	T	P	C
Year	IV	Semester	VII	4	0	0	4
Pre-Requisite	Graduation	Co-requisite	None				
Course Objectives	The course aims to equip students with a comprehensive knowledge of research methods, from design and data collection to analysis and reporting. It develops critical thinking, ethical awareness, and practical research skills for academic and applied contexts.						

Course Outcomes	
CO1	Given foundational concepts, students will describe the types, process, and ethics of research for effective problem identification and formulation.
CO2	Using academic sources, students will perform literature reviews, identify research gaps, and construct testable hypotheses.
CO3	Given research objectives, students will design studies using appropriate sampling methods to ensure validity and representativeness.
CO4	Using structured tools, students will collect valid and reliable data through questionnaires, interviews, and observations.
CO5	Given scaling methods, students will classify data levels and apply appropriate techniques to minimize measurement errors.
CO6	Using software tools (Excel/SPSS), students will process, tabulate, and present descriptive data through appropriate graphical and statistical summaries.
CO7	With statistical tools, students will conduct hypothesis testing using t-tests, chi-square, ANOVA, and interpret regression and correlation results.
CO8	Students will prepare ethically compliant research reports and proposals using correct structure, citation styles, and anti-plagiarism norms.

Unit No.	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction to Research Meaning, Objectives, and Characteristics of Research, Types of Research: Basic, Applied, Descriptive, Analytical, Experimental, Research Process and Formulation of Research Problem, Ethical Considerations in Research	05	CO1
2	Review of Literature and Hypothesis Formulation Need and Importance of Literature Review, Sources of Literature: Primary and Secondary, Identification of Research Gaps, Formulation of Hypotheses: Types and Characteristics	05	CO2
3	Research Design and Sampling Meaning and Types of Research Design, Components of a Good Research Design, Population and Sample, Sampling Techniques: Probability and Non-Probability Sampling	05	CO3
4	Methods and Tools of Data Collection Primary and Secondary Data, Tools: Questionnaire, Interview Schedule, Observation, Tests, Characteristics of a Good Research Tool, Reliability, Validity, and Norms	05	CO4
5	Measurement and Scaling Techniques Levels of Measurement: Nominal, Ordinal, Interval, Ratio, Attitude Scales: Likert, Thurstone, Semantic Differential, Errors in Measurement, Scaling Techniques	05	CO5
6	Data Processing and Analysis Data Editing, Coding, and Tabulation, Use of SPSS/Excel (Introductory Level), Graphical Representation: Tables, Charts, Graphs, Descriptive Statistics: Mean, Median, Mode, SD	05	CO6
7	Inferential Statistics Concept of Hypothesis Testing, t-test, Chi-square test, ANOVA (Conceptual Understanding), Techniques of Factor Analysis, Correlation and Regression, Interpretation of Results	05	CO7
8	Report Writing and Research Proposal Structure of Research Report/Thesis, Referencing Styles: APA, MLA (Basics), Plagiarism and Citation Tools, Writing a Research Proposal	05	CO8

Reference Books:

1. Kothari C R and Garg Gaurav- Research Methodology
2. Krishnaswami O R-Methodology of Research in Social Sciences
3. William G. Zikmund -Business Research Methods
4. Naresh K. Malhotra & Satyabhushan Dash- Marketing Research
5. ALVESSON (M) and SKOLDBERG (K). Reflexive methodology: new vistas in qualitative research. Ed. 2 Rev. 2009. Sage Publication, London.
6. GREENFIELD (T). Research methods: guidance for postgraduates. 1996. Hodder Arnold, London.

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PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
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CO2	3	3	2	2	3	2	2	2	3	2	3
CO3	3	3	2	2	2	2	2	2	3	3	3
CO4	3	2	2	2	2	2	2	3	3	2	3
CO5	3	3	2	2	2	2	2	2	3	3	3
CO6	3	3	2	2	2	2	2	2	3	3	2
CO7	3	3	2	2	2	2	2	2	3	3	3
CO8	3	3	2	3	3	3	2	3	3	2	3

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator	Sign & Seal of HoD
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Integral University, Lucknow

Effective from Session: 2025-26

Course Code	A080704T/HE416	Title of the Course	Public Economics	L	T	P	C
Year	IV	Semester	VII	4	0	0	4
Pre-Requisite	Intermediate	Co-requisite	None				

Course Objectives	This course aims to develop a comprehensive understanding of the role of the government in a mixed economy through the lens of public economics. It equips students with analytical tools to assess market failures, public goods, externalities, taxation, public expenditure, public debt, and fiscal policy—both in theory and in the Indian context—emphasizing efficiency, equity, and macroeconomic stability.
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Course Outcomes

CO1	Given foundational frameworks, students will describe the nature and scope of public economics and differentiate between positive and normative tools of analysis.
CO2	Using welfare economics concepts, students will analyze market failures and assess government interventions in promoting efficiency and equity.
CO3	Given theoretical models, students will evaluate the characteristics of public goods and interpret their efficient allocation under alternative frameworks.
CO4	Using institutional documents and reports, students will assess the evolution and reform of India's tax administration based on expert committee recommendations.
CO5	Students will distinguish between types of budget deficits and examine the theoretical foundations of public debt under alternative macroeconomic perspectives.
CO6	With fiscal data and debt indicators, students will evaluate the macroeconomic impact of public debt and examine India's external debt challenges.
CO7	Given expenditure models, students will analyze public expenditure patterns and assess their implications for fiscal stability and demand management.
CO8	Using Keynesian and Neoclassical frameworks, students will evaluate the objectives and challenges of fiscal policy under neoliberal and deficit-constrained regimes.

Unit No.	Content of Unit	Contact Hrs.	Mapped CO
1.	Economic Rationale of Mixed Economy; Nature and scope of public economics Public Finance and shift to Public Economics, Tools of public economics: Positive vs. normative analysis	05	CO1
2.	Role of Government in a State; Efficiency, markets and Governments, Equity and the Social Welfare Function; Market failure and role of government, Asymmetric Information and market Failure; The Problem of Externalities and their Internalization,	05	CO2
3.	Public goods – Concept, Characteristics and Types of Public Goods; Efficient Provision of Public Goods; Pure Theories of Public Goods – Bowen Model, Lindahl Model, Pigou Model	05	CO3
4.	Indian Tax Administration-Tax Reforms in India, Chelliah Committee Report – Kelkar committee report I & II.	05	CO4
5.	Budgetary Deficits: Concept & Types, Public Debt : Theories of public debt – Classical – Keynesian – Modern-	05	CO5
6.	Burden of Debt -Intergeneration equity, Impact of Public Debt on prices, output, employment and balance of payment; Crowding out; Methods of Debt Redemption Fiscal Deficit & Public debt: The Indian Context, External debt of India	05	CO6
7.	Public Expenditure: Wagner's Law and Wiesman-Peacock Hypothesis; Relationship between Public Expenditure and Fiscal Deficit; Public Expenditure as an instrument of demand management;	05	CO7
8.	Fiscal Policy: Deficit concepts- Objectives; Problem of fiscal deficit, Fiscal Policy in Keynesian and Neoclassical framework; Fiscal Policy and Neo-liberalism.	05	CO8

Reference Books:

1. Stiglitz, J. E., & Rosengard, J. K. (2015). *Economics of the public sector* (4th ed.). W.W. Norton & Company.
2. Bhatia, H. L. (2021). *Public finance* (30th ed.). Vikas Publishing House.
3. Tyagi, B. P. (2020). *Public finance* (45th ed.). Jai Prakash Nath & Co.
4. Government of India. (1992). *Report of the Tax Reforms Committee: Part I & II (Chelliah Committee Report)*. Ministry of Finance.
5. Jha, R. (2002). *Modern public economics*. Routledge
6. Goel, S. L. (2002). *Public financial administration*. Deep & Deep Publications.
7. Bhargava, R. N. (2005). *The theory and working of union finance in India*. Chaitanya Publishing House.

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CO3	3	3	2	2	3	3	2	2	3	2	2
CO4	3	2	2	2	2	2	2	2	2	2	3
CO5	3	3	2	2	3	2	2	2	3	2	3
CO6	3	3	2	2	3	2	2	2	3	2	3
CO7	3	2	2	2	2	2	3	2	2	2	3
CO8	3	3	2	2	3	2	2	2	3	2	3

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator	Sign & Seal of HoD
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