



Department of Humanities and Social Sciences
Study and Evaluation Scheme
Program: Four Year B.A. in Economics with Honours (>75% Marks)
Session: 2025-26

IVth Year / VIIIth Semester

Course code	Course Title	Type of Paper	Period Per hr/week/sem.			Evaluation Scheme				Sub Total	Credit	Total Credits	Attributes							SDGs			
			L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		Indian Knowledge System		
A080701T/HE413	Monetary Economics	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓	✓			4		
A080702T/HE414	Rural Economics	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓	✓			11		
A080703T/HE415	Environmental Economics	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓	✓			13		
HM402	Advanced Research Methodology	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓	✓			4		
A080704T/HE416	Public Economics	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓	✓			4		
			20	0	0	75	50	125	375	500	20	20											

L- Lecture T-Tutorial P-Practical
 CT= Mid1+Mid2 TA= Assignment + Quiz + Attendance

C-Credit CT-Class Test TA-Teacher Assessment
 Subject Total = Sessional Total (CA) + End Semester Examination (ESE)

Apul
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 Integral University, Lucknow



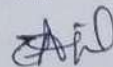
Department of Humanities and Social Sciences
Study and Evaluation Scheme
Program: Four Year B.A. in Economics (Honours with Research) (<75% Marks)
Session: 2025-26

IVth Year / VIth Semester

Course code	Course Title	Type of Paper	Period Per hr/week/sem.			Evaluation Scheme				Sub Total	Credit	Total Credits	Attributes							SDGs
			L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
A080701T/HE413	Monetary Economics	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓	✓		4
A080702T/HE414	Rural Economics	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓	✓		11
A080703T/HE415	Environmental Economics	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓			13
HM402	Advanced Research Methodology	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓	✓		4
A080705R/HE490	*Internship/Field Study/Project Work	Major (Own Faculty)	0	2	2	0	0	0	0	100	4:0:0	4		✓	✓		✓	✓		
			16	2	2	75	50	125	375	500	20	20								

L- Lecture T-Tutorial P-Practical C-Credit CT-Class Test TA-Teacher Assessment
 CT= Mid1+Mid2 TA= Assignment + Quiz + Attendance

Subject Total = Sessional Total (CA) + End Semester Examination (ESE)


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B.A [H]o
7th Sem

Effective from Session: 2025-26			
Course Code	A080701T/HE413	Title of the Course	Monetary Economics
Year	IV	Semester	VII
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 significant in the process of growth and development. Since reforms were introduced in the financial sector, many new concepts in this sector. For the students of economics, it is essential to understand and analyze these new concepts as well as monetary policy for their development role, and limitations in shaping and influencing the monetary and related policies both at the national and international level.		

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; RBI's 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:

- Gupta S.B, Monetary Economics, S Chand and Co., New Delhi, 2001
- Jadhav N, Monetary Policy, Financial Stability and Central Banking in India, Macmillan India Ltd
- RBI, Report on currency and finance (various issues)
- Gregory Mankiw, N, Macroeconomics, 7th Ed., Worth Publishers.
- Government of India, Economic Survey (various issues)
- Lewis MK and Mizzen PD, Monetary Economics, Oxford University Press, London
- Honda J, Monetary Economics, Routledge, New York, 2000
- Gibson, W.E. & G.C. Kaufman (Ed.), Monetary Economics: Readings of Current Issues.
- Kulkarni K G, Modern Monetary Theory, Macmillan India Ltd., 1999
- Khan, M. Y, Indian Financial System. Tata McGraw Hill, New Delhi.
- Fleming N, Monetary Economics: Macmillan Studies in Economics
- Gurley and Shaw, Money in a Theory of Finance, Brooking 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
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Head
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 Integral University, Lucknow



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

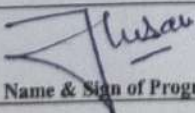
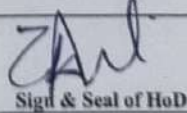
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Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO-PSO CO	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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Head
 Humanities & Social Science
 Integral University, Lucknow



Integral University, Lucknow

Effective from Session: 2025-26

Course Code	A080703T/HE415	Title of the Course	Environmental Economics	L	T	P	C
Year	IV	Semester	VII	4	0	0	4
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.

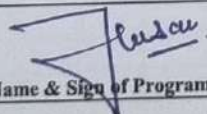
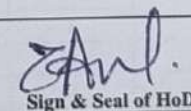
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CO1	3	2	2	2	3	2	3	3	3	2	2
CO2	3	3	2	2	3	3	3	2	2	2	3
CO3	3	2	2	2	2	3	3	3	2	2	3
CO4	3	3	2	3	2	3	3	2	3	2	2
CO5	3	2	2	2	3	3	3	2	3	3	3
CO6	3	3	2	2	2	2	3	3	2	2	2
CO7	3	2	2	2	2	2	3	2	2	2	2
CO8	3	3	2	3	2	3	3	3	2	2	3

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

 Name & Sign of Program Coordinator	 Sign & Seal of HoD
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Head
 Humanities & Social Science
 Integral University, Lucknow



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.

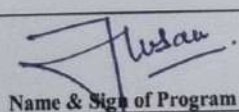
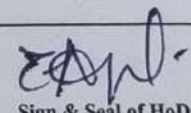
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Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	2	2	2	3	2	3	3	2	3
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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Head
Humanities & Social Science
Integral University, Lucknow



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.						

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.


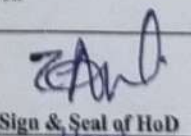
E-Learning Source:

- <https://swayam.gov.in/>
- <http://www.ignouhelp.in/ignou-study-material/>

Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
	CO1	3	2	2	2	2	2	2	2	3	2
CO2	3	3	2	2	3	3	2	2	3	2	3
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 Head
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Humanities & Social Science
Integral University, Lucknow



Integral University, Lucknow

Effective from Session: 2025-26

Course Code	A080705R/HE490	Title of the Course	Internship/Field Study/Project Work	L	T	P	C
Year	IV	Semester	VII	2	0	2	4
Pre-Requisite	Graduation	Co-requisite	None				
Course Objectives	This course aims to equip students with practical skills through internships, field studies, or project-based research. It enables students to apply economic theories and methods to real-world problems, enhancing their analytical, research, and communication abilities						

Course Outcomes

CO1 They will gain the ability to independently conduct research, collect and analyze data, and interpret findings in a structured and meaningful way. The course will also enhance their report-writing skills, critical thinking, and the capacity to draw policy-relevant insights from real-world economic experiences.

Content of Unit

Each student may opt for any one of the three modes, subject to approval by the HoD and Programme Coordinator.

A. Internship:

- o Each student shall undergo an Internship of 4-8 weeks (approx.) in relevant industry or any other business. The objective of this training is to make the students acquainted with the industrial/ business working environment.
- o After completion of the training, they will have to submit a training report.
- o The internship/project reports will carry 100 marks. It will be evaluated by the examiner. It is to be submitted on or before the due date. The students will also have to submit a performance certificate from the company where he/she undertook the training/internship. This report will also be considered while evaluating the training report by examiners.
- o Alternatively, if it is not possible to do an industrial internship the students will prepare a project report on a topic assigned. This allows students to undertake experiential learning by working with organisations/in the industry to critically examine a major aspect of their operation.

B. Field Study:

To carry out the field project work following guidelines should be used:

- o Students should participate in field-based learning under the supervision of faculty. The actual field work should be carried out after college hours or on holidays.
- o Assignment of project topics to individual student or groups of students (2 or 3 students in one group).
- o Preparation of a questionnaire (20-30 questions or more) related to their topic.
- o The departmental coordinator/guide should check the questions and finalize the questionnaire. The question that may create unnecessary complications should be avoided. The questions should be qualitative as well as quantitative.
- o Students should go to their chosen field with the questionnaire and collect the information regarding the questions asked to the concerned people or collect samples/data. The more the data, the better it will be for analysis.
- o The student should compile all the relevant data and carry out its analysis.
- o Write a project report in the standard format. The report should mention the clear OUTPUT drawn from the study. The typed project report should have minimum 35 pages in Times New Roman with font size 12 and line spacing of 1.5.
- o Submit the project report with the Guide's signature.
- o The Oral presentation for all the projects in the department should be arranged in the department. To evaluate the project, Examiners (external/internal) should be appointed by HoD/controller of examination.
- o The total project work including preparation of questionnaire to oral presentation should be evaluated for 4 credits (100 Marks).
- o Since it is a compulsory subject in our syllabus, passing students in this field project is MUST to complete their degree

C. Project Work:

Project Work Guidelines: -

- o The students shall declare the option of project work at the beginning of the semester.
- o Every student is provided with a faculty member as a mentor/Supervisor.
- o Project Work Report should be done by each student separately or in group of not more than 3, under the guidance of the faculty.
- o Topics might be in the view of regional issues.

Write up: General Guide Lines: -

- o The Project Work Report should cover the following aspects.
 - a. Introduction:
 - Objectives of the study.
 - Methodology
 - b. Review of Literature
 - c. Data Analysis and Interpretation
 - d. Findings and Discussion
 - e. Conclusion and Policy Suggestions
 - f. References
 - g. Appendices
- o Every table, figure, photograph should have a caption and with references.
- o The list of references should be given at the end and all the references should be complete in all respects in APA style.
- o The total number of pages should be minimum 35, including text, figures, tables, photographs, references and appendices.
- o At the time of viva-voce, presentation may be given by the Student with the help of equipment which are available in the department.
- o Plagiarism should be below 10%. Reports will be checked using anti-plagiarism software.

Suggested Readings/Tools:

- o Choubey, Varanya (2018): Research Writing: The Structural Challenge of Communicating Knowledge + A Method to Meet it.
- o Greenlaw, Steven A (2005): Doing Economics: A Guide to Understanding and Carrying Out Economic Research.
- o Kothari, C R (2013): Research Methodology. New Age International Publishers.
- o Thomson, Williams (2011): A Guide for the Young Economists. MIT Press.
- o Government Reports: Economic Survey, Budget, RBI Reports, NITI Aayog publications
- o Statistical Tools: SPSS, STATA, Excel, EViews, R (as per topic)

Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO											
CO1	3	3	2	2	2	2	1	2	3	2	2

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

 Name & Sign of Program Coordinator	 Sign & Seal of HoD
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Head
Humanities & Social Science
Integral University, Lucknow



Department of Humanities and Social Sciences
Study and Evaluation Scheme
Program: Four Year B.A. in Economics with Honours (>75% Marks)
Session: 2025-26

IVth Year / VIIIth Semester

Honours

Course code	Course Title	Type of Paper	Period Per hr/week/sem.			Evaluation Scheme				Sub Total	Credit	Total Credits	Attributes							SDGs	
			L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		Indian Knowledge System
A080801T/HE417	Indian Economic Development since 1947	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓		✓		4 QUALITY EDUCATION
A080802T/HE418	Econometrics	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓				4 QUALITY EDUCATION
A080803T/HE419	Economics of Development	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓		✓		12 RESPONSIBLE CONSUMPTION AND PRODUCTION
A080804T/HE420	Labour Economics	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓		✓		8 DECENT WORK AND ECONOMIC GROWTH
A080805T/HE421	Resource Economics	Major (Own Faculty)	4	0	0	15	10	25	75	100			✓	✓	✓		✓		✓		
A080806T/HE422	Financial Economics	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓		✓		4 QUALITY EDUCATION
			20	0	0	75	50	125	375	500	20	20									

L- Lecture T-Tutorial P-Practical
 CT= Mid1+Mid2 TA= Assignment + Quiz + Attendance

C-Credit CT-Class Test TA-Teacher Assessment
 Subject Total = Sessional Total (CA) + End Semester Examination (ESE)

[Signature]
 Head
 Humanities & Social Science
 Integral University, Lucknow



Department of Humanities and Social Sciences
Study and Evaluation Scheme
Program: Four Year B.A. in Economics (Honours with Research) (<75% Marks)
Session: 2025-26

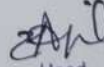
Honours with Research

IVth Year / VIIIth Semester

Course code	Course Title	Type of Paper	Period Per hr/week/sem.			Evaluation Scheme				Sub Total	Credit	Total Credits	Attributes							SDGs		
			L	T	P	CT	TA	Total	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		Indian Knowledge System	
A080801T/HE417	Indian Economic Development since 1947	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓		✓		4	Quality Education
A080802T/HE418	Econometrics	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓				4	Quality Education
A080803T/HE419	Economics of Development	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓		✓		12	Responsible Consumption and Production
A080804T/HE420	Labour Economics	Major (Own Faculty)	4	0	0	15	10	25	75	100	4:0:0	4	✓	✓	✓		✓		✓		8	Industry, Innovation and Infrastructure
A080805T/HE421	Resource Economics	Major (Own Faculty)	4	0	0	15	10	25	75	100			✓	✓	✓		✓		✓			12
A080807R/HE491	Internship/ Field Study/Project Work	Major (Own Faculty)	0	2	2	0	0	0	0	100	4:0:0	4		✓	✓			✓		✓		
			16	2	2	75	50	125	375	500	20	20										

L- Lecture T-Tutorial P-Practical
 CT= Mid1+Mid2 TA= Assignment + Quiz + Attendance

C-Credit CT-Class Test TA-Teacher Assessment
 Subject Total = Sessional Total (CA) + End Semester Examination (ESE)


 Head
 Humanities & Social Science
 Integral University, Lucknow



Integral University, Lucknow

B-A [Hon
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Effective from Session: 2025-26				
Course Code	A080801T/HE417	Title of the Course	Indian Economic Development since 1947	L
Year	IV	Semester	VIII	4
Pre-Requisite	Intermediate	Co-requisite	None	
Course Objectives	To provide students with a comprehensive understanding of India's economic journey post-independence, analyzing key structural changes, and development challenges.			

Course Outcomes			
CO1	Given historical data and texts, students will be able to analyze the structure and challenges of the Indian economy at Independence, and evaluate legacy's long-term economic impacts.		
CO2	Students will be able to critically examine the planning framework and developmental strategies adopted during the Nehruvian era (1951-1964), and assess the outcomes of the first three Five-Year Plans.		
CO3	Students will be able to evaluate the economic shocks (wars, droughts, oil crises) and their influence on nationalization policies, and critically appraise the shift toward populism and the decline of planning.		
CO4	Based on economic performance indicators, students will be able to assess the liberalization efforts and industrial policy reforms of the 1980s, and identify macroeconomic imbalances and their implications.		
CO5	Given macroeconomic data and policy documents, students will be able to analyze the 1991 economic crisis and IMF intervention, and evaluate the impact of LPG reforms on India's economic structure.		
CO6	Students will be able to compare post-1991 sectoral transformations in agriculture, industry, and services, and critically analyze policy measures such as MSP, Make in India, and the rise of the IT sector.		
CO7	Students will be able to evaluate contemporary issues like inequality, demographic changes, and regional disparities, and formulate policy suggestions for inclusive and sustainable development.		
CO8	Given India's participation in global institutions, students will be able to assess India's role in international forums such as WTO and BRICS, and evaluate recent geo-economic strategies and responses to global crises.		
Unit No.	Content of Unit	Contact Hrs.	Mapped CO
1	The Indian Economy at Independence: Colonial legacy and its economic impact; Structure and characteristics of the Indian economy in 1947; Partition and its economic consequences; Early development debates: Gandhian vs. Nehruvian visions.	5	CO1
2	Planning and the Nehruvian Era (1951-1964): Rationale for planning in a mixed economy; Five-Year Plans: objectives, strategies, and outcomes (1st to 3rd Plans); Public sector development and import-substitution industrialization; Agricultural policy and Community Development Programme.	5	CO2
3	Crisis, Retrenchment and Populism (1965-1980): Economic shocks: wars, droughts, and oil crisis; Green Revolution: features, regional disparities, and outcomes; Nationalization: banking and key industries; Shift towards populist policies and the decline of planning.	5	CO3
4	The 1980s - Prelude to Liberalization: Gradual liberalization and industrial policy reforms (1980 & 1985); Fiscal expansion and macroeconomic imbalances; Technological policy and public-private dynamics; Performance and limits of the pre-reform economy.	5	CO4
5	The 1991 Economic Reforms: Balance of payments crisis and IMF intervention; Structural Adjustment Programme and New Economic Policy; Liberalization, privatization, and globalization (LPG); Role of international financial institutions.	5	CO5
6	Sectoral Transformations Post-1991: Agriculture: stagnation, policy neglect, and MSP debates; Industry: de-licensing, privatization, and Make in India; Services: IT boom, BPO sector, and financial services; Informal sector and employment patterns.	5	CO6
7	Contemporary Issues in Indian Economic Development: Inequality and poverty trends; Demographic dividend and labour market dynamics; Environmental challenges and sustainable development; Regional disparities and urbanization pressures.	5	CO7
8	Indian Economy in the Global Context: India in global trade and capital flows; Role in WTO, BRICS, and multilateral trade negotiations; Recent FTAs and geo-economic strategies; India's response to global crises (e.g., COVID-19, financial crises).	5	CO8

Reference Books:

1. Bipan Chandra et al. India Since Independence.
2. T. Krishnan, R. Kapila (eds.) Indian Economy Since Independence.
3. Uma Kapila (ed.) Indian Economy: Performance and Policies.
4. Pulapre Balakrishnan, Economic Growth in India.
5. Rakesh Mohan, Growth with Financial Stability.
6. Bardhan, P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi.
7. Brahmananda, P.R. and V.R. Panchmukhi (Eds.) (2001), Development Experience in the Indian Economy: Inter-State Perspective, Bookwell, Delhi.
8. Chakravarty, S. (1987), Development Planning: The Indian Experience, Oxford University Press, New Delhi.
9. Dantwala, M.L. (1996), Dilemmas of Growth: The Indian Experience, Sage Publications, New Delhi.
10. Jalan, B. (1992), The Indian Economy - Problems and Prospects, Viking, New Delhi.

E-Learning Source:
<https://swamyam.gov.in/>

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	3	2	2	3	2	2	2	3	2	2
CO2	3	3	2	2	3	2	2	2	3	2	3
CO3	3	3	2	2	2	2	3	2	3	2	3
CO4	3	2	1	2	2	2	2	2	2	2	2
CO5	3	3	2	2	3	3	3	3	3	3	3
CO6	3	3	2	2	3	2	3	3	3	3	3
CO7	3	3	2	2	3	3	3	3	3	3	3
CO8	3	3	2	2	3	2	3	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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Humanities & Social Science
 Integral University, Lucknow



Integral University, Lucknow

Effective from Session: 2025-26

Course Code	A080803T/HE419	Title of the Course	Economics of Development	L	T	P	C
Year	IV	Semester	VIII	4	0	0	4
Pre-Requisite	Intermediate	Co-requisite	None				

Course Objectives
This course aims to introduce students to the basic concepts of development, key development theories, and indicators. It covers the role of population, health, education, urbanization, and international factors like trade and investment. It also highlights Sen's capability approach and the importance of sustainability in economic development.

Course Outcomes
Given data on development indicators, students will be able to analyze the differences between economic growth and development, and evaluate human development using HDI and GDI.

CO1 Using Sen's capability approach and environmental sustainability framework, students will be able to evaluate the roles of market and state as agents of development, and formulate arguments for inclusive growth.

CO2 Given major theoretical models, students will be able to compare and critically assess contemporary theories of growth and underdevelopment, including Romer's endogenous growth theory and coordination failure models.

CO3 Based on demographic data and microeconomic theory, students will be able to analyze the causes and consequences of high fertility rates in developing economies, and evaluate the microeconomic household theory of fertility.

CO4 Using the human development and capabilities framework, students will be able to critically examine the relationship between growth, well-being, and development outcomes, with reference to Sen's and UNDP's approaches.

CO5 Given empirical data and policy reports, students will be able to evaluate the contribution of health and education to development, and analyze government interventions aimed at improving productivity and well-being.

CO6 Drawing from urban economic models and labour data, students will be able to analyze patterns of urbanization, migration, and the informal sector, with reference to the Harris-Todaro model and rural-urban dynamics.

CO7 Given international trade and finance data, students will be able to evaluate trade strategies (inward vs. outward), FDI flows, and BOP financing, and assess their impact on development and global integration.

CO8

Unit No.	Content of Unit	Contact Hrs.	Mapped CO
1	Meaning of Development and Relevant Concepts I Distinction between growth and development, human development, Human Development Index, Gender Development Index	5	CO1
2	Meaning of Development and Relevant Concepts II Sen's capabilities approach, environmental sustainability and development, Market and State as agencies of development.	5	CO2
3	Contemporary Models of Development and Underdevelopment : Theories of endogenous growth with special reference to Romer's model, underdevelopment as coordination failure, multiple equilibria, the big push theory and Leibenstein Theory of Critical Minimum Efforts.	5	CO3
4	Population and Human Resources: I Causes of high fertility in developing countries – the microeconomic household theory of fertility; consequences of high fertility.	5	CO4
5	Population and Human Resources: II Human Development and Capabilities. Consequences of growth – ends and means of development, human development and capabilities approach	5	CO5
6	Health and Education Access to health and education, Interrelation between health, education and productivity, Government policies to improve health and education, contribution of education and health to economic growth and development, role of health in economic development.	5	CO6
7	Urbanization and Informal Sector: Causes and effects of urbanization, Harris-Todaro model of rural-urban migration, migration and development	5	CO7
8	International Aspects of Development: I Trade strategies for development: inward looking and outward looking, financing of balance of payments deficits, foreign direct investment and multinational corporations.	5	CO8

Reference Books:

- Misra, S. K., & Puri, V. K. (2023). Economics of development and planning (42nd ed.). Himalaya Publishing House.
- Adelman, I. (1961). theories of Economic Growth and Development, Stanford University Press, Stanford.
- Ghatak, S. (1986), An Introduction to Development Economics, Allen and Unwin, London.
- Dhingra, I. C. (2021). Indian economy (41st ed.). Sultan Chand & Sons.
- Agarwal, A. N., & Singh, S. P. (2020). Indian economy: Problems of development and planning (41st ed.). New Age International.
- Sundaram, K. P. M. (2021). Indian economy: A critical analysis of economic policy (18th ed.). S. Chand Publishing.
- Thirlwall, A. P., & Joshi, A. V. (2019). Growth and development: With special reference to developing economies (9th ed.). Palgrave Macmillan.
- Higgins, B. (1959), Economic Development, W.W. Norton, New York
- Todaro, M.P. (1996), (6th Edition), Economic Development, Longman, London.
- Thirwal, A.P. (1999), (6th Edition), Growth and Development, Macmillan, U.K.
- Todaro, M.P. (1971), Development Planning: Models and Methods, Oxford University Press, Oxford.

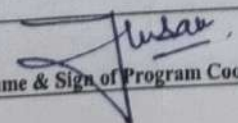
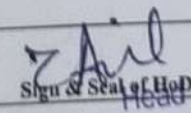
E-Learning Source:

<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
CO											
CO1	3	3	2	2	2	2	3	2	3	2	2
CO2	3	3	2	2	3	2	3	3	3	2	3
CO3	3	3	1	2	2	2	2	2	3	2	3
CO4	2	3	2	2	3	3	3	3	3	2	3
CO5	3	3	2	2	3	3	3	3	3	2	3
CO6	3	3	2	2	2	2	2	2	3	2	3
CO7	3	2	2	2	3	2	2	3	3	2	3
CO8	3	3	1	2	3	2	2	3	3	2	3

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

Name & Sign of Program Coordinator

Humanities & Social Science
Integral University, Lucknow



Integral University, Lucknow

Effective from Session: 2025-26

Course Code	A080804T/HE420	Title of the Course	Labour Economics	L	T	P	C
Year	IV	Semester	VIII	4	0	0	4
Pre-Requisite	Graduation	Co-requisite	None				

Course Objectives To develop students' abilities in acquiring a better understanding of the functioning of labour markets.

Course Outcomes	
CO1	Given the context of labour market structures in developing economies, students will be able to analyze the nature, characteristics, and segmentation of the Indian labour market, including rural-urban and formal-informal divides.
CO2	Given various economic theories, students will be able to compare and evaluate wage determination models (classical, neoclassical, modern) and assess their implications on wage policies like minimum wages and efficiency wages.
CO3	Using productivity indicators and technological trends, students will be able to assess the effects of automation, AI, and skill-biased technological change on labour demand and productivity, especially in the informal sector.
CO4	Based on trade union case studies and labour law developments, students will be able to evaluate the role and effectiveness of trade unions and collective bargaining mechanisms, identifying challenges and reforms.
CO5	Based on current data and policies, students will be able to analyze dispute resolution mechanisms (conciliation, arbitration, adjudication) and critique the evolving industrial relations framework in India.
CO6	With reference to labour legislation and welfare schemes, students will be able to evaluate the coverage and impact of labour welfare programs and social security systems, including those concerning women, children, and occupational safety.
CO7	Based on current data and policies, students will be able to analyze major issues in contemporary Indian labour markets, including migration, informality, skill mismatches, and recent labour code reforms.
CO8	Given the context of globalization and technological disruption, students will be able to assess the rise of the gig economy and the future of work, and propose policy directions in response to global labour transformations.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1.	Nature and Structure of Labour Markets in India	Definition, features of labour in a developing economy, Structure of Labour Market, rural vs. urban labour, structure and dynamics of employment in India, role of employment exchanges.	5	CO1
2.	Theories of Wages and Employment	Classical, neo-classical, and modern theories of wage determination; efficiency wage theory; minimum wage; wage differentials and standardization; National Wage Policy.	5	CO2
3.	Labour Productivity & Technological Change	Measurement and determinants of labour productivity; impact of technological advancement, automation, and AI on labour demand; skill bias; informal sector productivity.	5	CO3
4.	Trade Unions and Collective Bargaining	Trade union theories, growth of trade unionism in India and globally, recognition of unions, problems and reforms; collective bargaining—models, effectiveness, and challenges.	5	CO4
5.	Industrial Relations and Labour Disputes	Industrial relations system, recruitment and grievance redressal, labour disputes, conciliation, arbitration, adjudication, and recent trends in dispute resolution.	5	CO5
6.	Labour Welfare and Social Security	Concept and scope of labour welfare; welfare measures under Indian law; women and child labour issues; occupational safety; social security systems—EPFO, ESIC; ILO conventions.	5	CO6
7.	Contemporary Labour Market Issues	Working poverty, surplus labour, labour market rigidities, informality, migration, skill mismatch, labour codes, and need for reforms.	5	CO7
8.	Globalization, Gig Economy and Future of Work	Impact of globalization and international labour standards; rise of gig and platform-based work; labour in global supply chains; future of work post-COVID and AI transitions.	5	CO8

Reference Books:

- Labour Economics : Theory, institutional & pub policy, by Ray Marshall
- Datt, G. (1996), Bargaining power wages and Employment: An Analysis of Agricultural labour Markets in India, Sage Publications, New Delhi.
- Labour Economics : by Dr. Sinha, Sinha
- Lester, R.A. (1996), Economics of labor (2nd Edition), Macmillan New York.
- Labour Economics and social welfare, by- Dr. B.P Tyagi & Dr. H.P Singh
- Labour Economics & Labour Problems – by M.V. Josh
- Rosenberg M.R. (1988) Labour Markets in Low Income countries in Chenary, H.B. and T.N. Srinivasan (Eds.)
- The Handbooks of Development Economics, North-Holland New York.
- McConnell, C.R. and S.L. brue (1986) Contemporary Labor Economics, McGraw-hill, New york.
- Lester, R.A. (1996), Economics of labor (2nd Edition), Macmillan New York.
- Hajela, P.D. (1998), Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publishers, New.

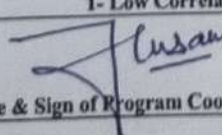
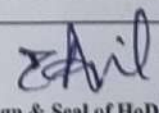
e-Learning Source:

<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
CO											
CO1	3	3	2	2	2	2	2	2	3	2	2
CO2	3	3	1	2	3	2	2	2	3	3	2
CO3	3	3	1	2	2	2	3	3	2	3	2
CO4	2	3	3	2	3	2	2	2	3	3	3
CO5	3	3	2	2	3	2	2	2	2	2	3
CO6	3	2	2	2	3	3	2	2	3	2	3
CO7	3	3	2	3	3	3	3	3	3	3	3
CO8	3	3	2	2	3	2	3	3	3	3	3

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

 Name & Sign of Program Coordinator	 Sign & Seal of HoD Head Humanities & Social Science Integral University, Lucknow
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Integral University, Lucknow

Effective from Session: 2025-26

Course Code	A080805T/HE421	Title of the Course	Resource Economics	L	T	P	C
Year	IV	Semester	VIII	4	0	0	4
Pre-Requisite	Graduation	Co-requisite	None				
Course Objectives	This course aims to provide students with a comprehensive understanding of the economic principles governing the use, management, and conservation of natural resources. It equips learners with analytical tools to evaluate renewable and non-renewable resource use, sustainability, valuation methods, and policy frameworks to support efficient and equitable resource governance.						

Course Outcomes

CO1	Given basic concepts, the student will explain resource economics and differentiate it from environmental economics with conceptual clarity.
CO2	Given theoretical models, the student will evaluate the environment–development relationship using EKC and sustainability concepts accurately.
CO3	Given biological and economic models, the student will assess renewable resource use through MSY and MEY with correct interpretation.
CO4	Given extraction models, the student will apply Hotelling’s rule to analyze non-renewable resource use with logical precision.
CO5	Given data, the student will apply appropriate valuation methods to assess resource value with justified reasoning.
CO6	Given institutional frameworks, the student will examine governance and policies in resource management using Indian examples.
CO7	Given sustainability indicators, the student will interpret the impacts of resource use on sustainability and climate with relevant evidence.
CO8	Given SDGs and natural capital tools, the student will evaluate trade-offs between growth and conservation with policy-level insight.

Unit No.	Content of Unit	Contact Hrs.	Mapped CO
1	Definition, nature, and scope, Difference between environmental and resource economics, Types of natural resources: Renewable vs. non-renewable, Economic importance of natural resources.	5	CO1
2	Environment and Economic Development: Classical:, Neo-classical: Environmental Kuznets Curve, Economics of Sustainability: Weak and Strong Sustainability.	5	CO2
3	Economics of renewable resources: Forestry, fishery, and water, Biological and economic yield, Maximum sustainable yield (MSY) vs. maximum economic yield (MEY)	5	CO3
4	Hotelling’s rule and exhaustible resources, Optimal extraction path, Resource pricing over time, Role of exploration, technology, and substitution	5	CO4
5	Total economic value of natural resources, Valuation methods: Market price method, Travel cost method, Hedonic pricing method, Contingent valuation method (CVM)	5	CO5
6	Role of government and institutions in resource management, Laws and policies on land, forest, water, and mining in India	5	CO6
7	Concept of sustainability in resource use, Indicators of sustainability, Resource use and climate change linkages	5	CO7
8	UN Sustainable Development Goals (SDGs) – Resource-related goals, Trade-offs between economic growth and resource conservation, Role of Natural Capital in sustainable development.	5	CO8

Reference Books:

1. A.M Hussen : Principles of Environmental Economics, Routledge, London
2. C.D. Kolstad: Environmental Economics, OUP, New Delhi.
3. David .A .Anderson: Environmental Economics and Natural resource
4. Katar Singh & Anil Shisodia: Environmental Economics, Sage Publications, New Delhi

E-Learning Source:

<https://swayam.gov.in/>

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	-	2	-	-	2	2	-	-	-
CO2	3	3	-	2	3	-	3	2	2	2	-
CO3	3	3	-	2	2	-	3	2	3	3	-
CO4	3	2	-	2	2	-	3	2	3	3	-
CO5	3	3	-	2	3	2	3	2	3	3	2
CO6	3	3	2	2	3	2	3	2	2	2	3
CO7	3	3	-	2	3	2	3	2	3	3	2
CO8	3	3	2	2	3	2	3	2	3	3	3

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

 Name & Sign of Program Coordinator	 Sign & Seal of HoD Head
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Humanities & Social Science
Integral University, Lucknow



Integral University, Lucknow

Effective from Session: 2025-26

Course Code	A080806T/HE422	Title of the Course	Financial Economics	L	T	P	C
Year	IV	Semester	VIII	4	0	0	4
Pre-Requisite	Graduation	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 real-world financial scenarios, students will be able to apply time value of money concepts (e.g., present value, annuity, perpetuity) to evaluate financial decisions.						
CO2	Using investment data and decision rules, students will be able to evaluate project profitability by applying techniques such as Net Present Value (NPV), IRR, and Benefit-Cost Ratio.						
CO3	Given market data, students will be able to analyze the valuation of bonds and stocks, including calculating bond yield and yield to maturity.						
CO4	Based on financial statements and market information, students will be able to apply equity valuation models such as the Dividend Discount Model and P/E ratio, and critically assess dividend policy theories like the Modigliani-Miller Hypothesis.						
CO5	Given historical return data, students will be able to analyze risk and return profiles of individual assets and portfolios, and interpret measures like variance, standard deviation, and beta.						
CO6	Using financial structure data, students will be able to calculate and evaluate the cost of different sources of capital, including debt, preference, and equity.						
CO7	Given asset and market parameters, students will be able to apply the Capital Asset Pricing Model (CAPM) and interpret capital market line, security market line, and beta for pricing and investment analysis.						
CO8	Based on market instruments and financial data, students will be able to differentiate and evaluate basic financial derivatives (forwards, futures), and assess their use in financial risk management.						

Unit No.	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction to financial economics, Time Value of Money: Future Value, Present Value, Future value of an annuity, Present value of annuity, Present rate of perpetuity	5	CO1
2	Investment Criteria: Net Present Value, Benefit Cost Ratio, Internal Rate of Return, Modified Internal Rate of Return.	5	CO2
3	Fundamentals of Valuation of Securities: Valuation of Bonds and Stocks; Bond Yield, Yield to Maturity.	5	CO3
4	Equity Valuation: Dividend Discount Model, The P/E Ratio Approach; Irrelevance of Dividends: Modigliani and Miller Hypothesis.	5	CO4
5	Types of risk, Historical returns and Risk, computing historical returns, average annual returns, variance of returns, Measurement of Risk and Return of an asset, Measurement of Risk and Return of a Portfolio, Determinants of Beta, Risk-Return trade off.	5	CO5
6	The Cost of Capital: Debt and equity; Cost of Debt, Cost of Preference Capital and Equity Capital.	5	CO6
7	The capital market line; the capital asset pricing model; the beta of an asset and of a portfolio; security market line; use of the CAPM model in investment analysis and as a pricing formula.	5	CO7
8	An introduction to financial derivatives: Types and uses of derivatives. Forward Contracts, Futures Contract.	5	CO8

Reference Books:

- Alexander, G. J., Sharpe W.F and Bailey. J.V (2000), Fundamentals of Investments, 3rd Edition, Prentice Hall.
- Bhole, L.M (2009), Financial Institutions and Markets, Tata McGraw Hill, New Delhi.
- R.R. Paul, Money, Banking, and International trade., kalyani publication, 2014
- Sundaram, Varsheny and Maheshwari, Money, Banking, and International trade, Sultan Chand and sons
- Avadhani, V.A (2014), Financial Economics: Theory and Practice, Himalayan Publication, Bombay.
- Bodie, Z. Robert Merton and David Cleeton (2012), Financial Economics, 2nd Edition, Pearson Learning Solutions.
- Chandra. P (2017), Financial Management, Theory and Practice, Tata McGraw Hill, New Delhi.
- Gupta, S.B (2010), Monetary Economics: Institutions, Theory and Policy, Sultan Chand, New Delhi.
- Gurley J.G and Shaw E.S. (1960), Money in a Theory of Finance, Brookings Institution Washington.
- Sen. S.N (1967), Central Banking and Underdeveloped Money Markets, Bookland, Calcutta.
- Steiner, W.H. (1958), Money and Banking: An Introduction to the Financial System [by] W.H. Steiner, Eli Shapiro [and] Ezra Solomon, Henry Holt, New York.
- Pathak.B.V (2014), Indian Financial System- Markets, Institutions and Services, 5th Edition, Pearson Publications.

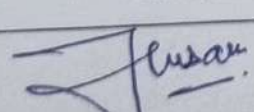
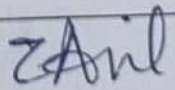
E-Learning Source:

<https://swavam.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	3	1	2	1	2	2	2	3	3	2
CO2	3	3	1	2	2	2	2	3	3	3	3
CO3	3	3	1	2	2	2	2	2	3	2	2
CO4	3	2	1	2	2	2	2	2	3	3	3
CO5	3	3	1	2	2	3	2	2	3	3	3
CO6	3	3	1	2	2	2	2	3	3	3	3
CO7	3	3	1	2	2	2	2	3	3	2	3
CO8	3	3	1	2	2	2	2	3	3	2	3

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

 Name & Sign of Program Coordinator	 Sign & Seal of Head
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Humanities & Social Science
Integral University, Lucknow



Integral University, Lucknow

Effective from Session: 2025-26

Course Code	A080807R/HE491	Title of the Course	Internship/Field Study/Project Work	L	T	P	C
Year	IV	Semester	VIII	2	0	2	4
Pre-Requisite	Graduation	Co-requisite	None				
Course Objectives	This course aims to equip students with practical skills through internships, field studies, or project-based research. It enables students to apply economic theories and methods to real-world problems, enhancing their analytical, research, and communication abilities						

Course Outcomes

CO1 They will gain the ability to independently conduct research, collect and analyze data, and interpret findings in a structured and meaningful way. The course will also enhance their report-writing skills, critical thinking, and the capacity to draw policy-relevant insights from real-world economic experiences.

Content of Unit	Contact Hrs.	Mapped CO
<p>Each student may opt for any one of the three modes, subject to approval by the HoD and Programme Coordinator.</p> <p>A. Internship:</p> <ul style="list-style-type: none"> Each student shall undergo an Internship of 4-8 weeks (approx.) in relevant industry or any other business. The objective of this training is to make the students acquainted with the industrial/ business working environment. After completion of the training, they will have to submit a training report. The internship/project reports will carry 100 marks. It will be evaluated by the examiner. It is to be submitted on or before the due date. The students will also have to submit a performance certificate from the company where he/she undertook the training/internship. This report will also be considered while evaluating the training report by examiners. Alternatively, if it is not possible to do an industrial internship the students will prepare a project report on a topic assigned. This allows students to undertake experiential learning by working with organisations/in the industry to critically examine a major aspect of their operation. <p>B. Field Study:</p> <p>To carry out the field project work following guidelines should be used:</p> <ul style="list-style-type: none"> Students should participate in field-based learning under the supervision of faculty. The actual field work should be carried out after college hours or on holidays. Assignment of project topics to individual student or groups of students (2 or 3 students in one group). Preparation of a questionnaire (20-30 questions or more) related to their topic. The departmental coordinator/guide should check the questions and finalize the questionnaire. The question that may create unnecessary complications should be avoided. The questions should be qualitative as well as quantitative. Students should go to their chosen field with the questionnaire and collect the information regarding the questions asked to the concerned people or collect samples/data. The more the data, the better it will be for analysis. The student should compile all the relevant data and carry out its analysis. Write a project report in the standard format. The report should mention the clear OUTPUT drawn from the study. The typed project report should have minimum 35 pages in Times New Roman with font size 12 and line spacing of 1.5. Submit the project report with the Guide's signature. The Oral presentation for all the projects in the department should be arranged in the department. To evaluate the project, Examiners (external/internal) should be appointed by HoD/controller of examination. The total project work including preparation of questionnaire to oral presentation should be evaluated for 4 credits (100 Marks). Since it is a compulsory subject in our syllabus, passing students in this field project is MUST to complete their degree <p>C. Project Work:</p> <p>Project Work Guidelines: -</p> <ul style="list-style-type: none"> The students shall declare the option of project work at the beginning of the semester. Every student is provided with a faculty member as a mentor/Supervisor. Project Work Report should be done by each student separately or in group of not more than 3, under the guidance of the faculty. Topics might be in the view of regional issues. <p>Write up: General Guide Lines: -</p> <ul style="list-style-type: none"> The Project Work Report should cover the following aspects. <ol style="list-style-type: none"> Introduction: <ul style="list-style-type: none"> Objectives of the study. Methodology Review of Literature Data Analysis and Interpretation Findings and Discussion Conclusion and Policy Suggestions References Appendices Every table, figure, photograph should have a caption and with references. The list of references should be given at the end and all the references should be complete in all respects in APA style. The total number of pages should be minimum 35, including text, figures, tables, photographs, references and appendices. At the time of viva-voce, presentation may be given by the Student with the help of equipment which are available in the department. Plagiarism should be below 10%. Reports will be checked using anti-plagiarism software. 	20	CO1
<p>Suggested Readings/Tools:</p> <ul style="list-style-type: none"> Choubey, Varanya (2018): Research Writing: The Structural Challenge of Communicating Knowledge + A Method to Meet it. Greenlaw, Steven A (2005): Doing Economics: A Guide to Understanding and Carrying Out Economic Research. Kothari, C R (2013): Research Methodology. New Age International Publishers. Thomson, Williams (2011): A Guide for the Young Economists. MIT Press. Government Reports: Economic Survey, Budget, RBI Reports, NITI Aayog publications Statistical Tools: SPSS, STATA, Excel, EViews, R (as per topic) 		

Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO											
CO1	3	3	2	2	2	2	1	2	3	2	2

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

 Name & Sign of Program Coordinator	 Sign & Seal of HoD Head
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Humanities & Social Science
Integral University, Lucknow