



Integral University, Lucknow

Effective from Session: 2020-21						
Course Code	HE407	Title of the Course	Macroeconomics	L	T	P
Year	I st	Semester	II nd	3	1	0
Pre-Requisite	Graduation	Co-requisite	None			4
Course Objectives	The objective of this course is to familiarize the students of Master's degree with the basic concepts, theories, and approaches to understand the behavior of macroeconomic aggregates and policies.					

Course Outcomes	
CO1	Get an overview of the major developments in macroeconomics with particular emphasis on the policy prescriptions of the earlier macroeconomic framework.
CO2	Students gain in-depth knowledge about Classical and Keynesian Theories of Employment.
CO3	Understand the various concepts and theories of Demand for Money.
CO4	Understand the various concepts and theories of Supply for Money.
CO5	Learn the concept of Neo-classical and Keynesian Approaches to Macro-Economics

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Macro Economics	Meaning and significance, Macroeconomic Development: An Overview, Inflation, Unemployment, output and growth, measures of national income and related concepts, methods of measuring national income. Macroeconomic fluctuations de-trending of GDP, characteristics of macroeconomic fluctuations: Persistence and Coherence. Macroeconomic framework: interdependence among different sectors and circular flow of income.	12	CO1
2	Theories of Employment	The classical theory of employment as a Barter and Monetary Framework, the Neo-Classical theory of employment, the relevance of classical theory, and Keynes's criticism. Keynes's theory of employment, and policies to curtail unemployment in Keynes's theory.	12	CO2
3	Demand for Money	Classical approach to the demand for money- Quantity theory approach, Fisher's equation, Cambridge quantity theory, Keynes liquidity preference approach, Transaction, Precautionary & Speculative demand for money- Aggregate demand for money. Post-Keynesian approaches to demand for money- Patinkin and the Real Balance Effect, Approaches of Baumol's and Tobin; Friedman and the modern quantity theory; crisis in Keynesian economics and revival of monetarism.	12	CO3
4	Supply of Money	A behavioral model of money supply determination, A demand determined money supply process, High Powered money and money multiplier. RBI approach to the money supply, Control of money supply with special reference to India. Impact of foreign capital inflows on money supply and cross sterilization.	12	CO4
5	Neo-classical and Keynesian Approaches to Macro-Economics	One sector Neo-Classical Model, Simple Keynesian model, Economic implication of these models & essential differences between the two. Two sector IS-LM model: Both Neo-classical & Keynesian versions, Role and relative effectiveness of the fiscal and monetary policy, IS-LM model in an open economy, case of small and large economies. Effects of change in monetary and fiscal policy on income and exchange rate. A Comparison of the IS-LM model in closed and open economies.	12	CO5

Reference Books:

Gillis, M., D.H. Perkins, M. Romer and D.R. Snodgrass (1992), Economics of Development, (3rd Edition), W.W. Norton, New York.
 Meier, G.M. and J.E. Rauch (2005), Leading Issues in Economic Development, (8th Edition), Oxford University Press, New Delhi.
 Todaro, M.P. and S.C. Smith (2003), (8th Edition), Economic Development, Pearson Education, Delhi.
 Thirlwall, A.P. (1999), (6th Edition), Growth and Development, Macmillan, U.K.

e-Learning Source:

<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	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	1	2	2	1	1	2	1	1	2	2	2	1	2
CO2	3	1	2	2	2	1	1	3	1	2	2	1	2	1	2	1
CO3	3	2	1	2	2	2	2	2	2	1	2	2	1	1	2	1
CO4	2	1	2	3	1	1	2	3	2	2	2	1	1	2	1	2
CO5	2	1	2	2	2	1	2	1	1	1	2	2	2	1	1	1

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

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

Effective from Session: 2020-21						
Course Code	BM451	Title of the Course	International Trade	L	T	P
Year	I st	Semester	II nd	3	1	0
Pre-Requisite	Graduation	Co-requisite	None			
Course Objectives	To acquaint the students with the theory and practice of International Trade					

Course Outcomes	
CO1	To understand fundamentals of international trade and its importance for a developing country like India.
CO2	To remember the theories of international trade and its application
CO3	To analyze the objectives of international trade policies.
CO4	To evaluate the basic structure of India's Foreign Trade Policy
CO5	To understand the basic structure of regional economic integration.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	International Business	Nature, Scope and Objectives, International Vs. Domestic Trade Basis for Foreign Trade, Historical aspects of India's International trade. Inter-dependence of Domestic and International Trade.	12	CO1
2	Theories of International Business	(i) Classical Theory; (ii) Ricardian Theory, (iii) Haberler's Theory, (iv) Heckscher-Ohlin Theory. Balance of Trade and Balance of payments- Introduction, meaning and Component of BOT & BOP Concept of Equilibrium, Equilibrium and disequilibrium of BOP Remedies for equilibrium of BOP in international trade	12	CO2
3	Trade Policy	Objective of Trade Policy-Importance and Objectives of Trade Policy-Implementation of Trade Policy-Tariffs, Quantitative Restrictions and non- Tariff Barriers. Exchange Control-Objectives of Exchange Control, Types of Exchange Control-Conditions of Exchange Rate Adjustment-Devaluation, Revaluation and Depreciation of Currency	12	CO3
4	Foreign Trade and Policy	Structure of Indian's Foreign Trade-Composition and Direction, Organizational Infrastructure: Regulatory and Supportive Institutions, India's Export Promotion schemes and Policy and Institutional Framework. EXIM Policies-Exim Scrip's-Export promotion and Imports Substitution Strategies	12	CO4
5	Regional Economic Integration	Levels of Regional Economic Integration: Free Trade Area, Customs Union, Economic Union, Common Market, Political Union; Trade Creation and Diversion Effects; Regionalism vs. Multilateralism; Structure and functioning of EU and NAFTA, SAARC. International Economic Institutions - IMF, World Bank, GATT, UNCTAD, and WTO.	12	CO5

Reference Books:

Ackoff, R.L. The Design of Social Research business, Chicago University Press. 2014.
 Bhalla, V. K., Srivaramu, S.: International Business Environment and Management. 2015
 Jha, B.K. and Shah, M.S.: International Business, Kedar Nath & Ram Nath Meerut, 2015,
 Subbarao, P.: International Business New south publication, Agra, 2014
 Sumati Varma: International Business, 2nd Edition, Pearson India Education Services Pvt Ltd. 2021
 V.S. Datey, International Business, Taxmann Publications, New Delhi, 2017

e-Learning Source:

<https://www.udemy.com/course/international-trade/>
https://onlinecourses.nptel.ac.in/noc20_mg54/preview
<https://www.classcentral.com/course/swayam-international-business-19899>

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

PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2
CO2	1	2	3	1	3	1	1	3	1	2	3	2	2	2	2	3
CO3	2	2	3	1	1	1	1	3	1	2	3	2	2	2	3	3
CO4	2	2	3	2	2	2	1	3	3	1	3	2	2	2	3	3
CO5	2	2	3	1	1	1	1	3	3	1	3	3	2	2	2	2

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

Dr. Froz Husain
 Name & Sign of Program Coordinator





Integral University, Lucknow

Effective from Session: 2020-21						
Course Code	MT433	Title of the Course	Econometrics Theory	L	T	P
Year	I st	Semester	II nd	3	1	0
Pre-Requisite	Graduation	Co-requisite	None			
Course Objectives	The course objective is to learn the concepts of Econometrics and to construct multiple regression models, partial and multiple regression coefficients, and apply these models for future prediction.					

Course Outcomes	
CO1	To understand the nature and scope of econometrics and the Gauss-Markov theorem.
CO2	To demonstrate and understand the Multiple regression models with two explanatory variables.
CO3	To know about Multi-collinearity and Errors of Measurement.
CO4	To understand problems in regression analysis having Time series and Cross section data.
CO5	To know about Heteroscedasticity, detection, and its remedial measures.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Unit - I	Nature, meaning, and scope of econometrics, Simple linear regression models, assumptions, estimation through ordinary least square method (OLS) and Maximum likelihood method. Properties of estimators; significance test and confidence interval, Gauss- Markov Theorem.	12	CO1
2	Unit - II	Multiple regression models with two explanatory variables. Partial and Multiple regression coefficients, Estimation of the Regression Coefficients, Testing of Significance of Regression Coefficients and Regression Model, R- square, Adjusted R- square, Akaike's Information Criteria, and Schwarz Criterion.	12	CO2
3	Unit - III	Problems of Regression Analysis: Nature, Tests, Consequences, and remedies of Problem of Multi-collinearity, Problems of specification error, Errors of Measurement.	12	CO3
4	Unit - IV	Problems in Regression Analysis having Time Series and Cross Section Data: Autocorrelation, Nature of the problem, Consequences of using OLS in the presence of Autocorrelation, Detecting Auto-correlation-Graphical Method, Durbin-Watson 'd-statistic', remedial measures of the problem.	12	CO4
5	Unit - V	Heteroscedasticity- meaning, graphical presentation of the presence of Heteroscedasticity. Consequences of Heteroscedasticity, Detection and remedial measures of the problem.	12	CO5

Reference Books:

Econometric Methods- J. Johnston & J. DiNardo (1997) McGraw Hill Higher Education IV Edition.
 Basic Econometrics – D.N Gujarati, D.C Porter, S Gunasekar (2012) McGraw Hill Higher Education V Edition.
 Theory of Econometrics – A. Koutsoyiannis (1973) Palgrave Macmillan Second Edition.
 Advanced Econometrics --Amemiya, T. (1985), Harvard University Press, Cambridge, Mass.

e-Learning Source:

<https://nptel.ac.in/courses/111/104/111104072/>

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

PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	2	2	2	2	2	2	2	1	2	2	2	2	2
CO2	2	3	2	2	2	2	1	3	1	2	2	2	1	1	1	2
CO3	2	2	1	3	1	3	1	2	2	1	3	1	2	2	2	1
CO4	2	2	1	2	1	2	2	2	2	1	2	2	1	2	1	2
CO5	3	2	2	3	1	2	1	2	1	2	1	1	2	1	2	2

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

<p align="center"><i>Dr. Rashmi Shukla</i> <i>Rashmi Shukla</i> Name & Sign of Program Coordinator</p>	<p align="center"><i>Am</i> Sign & Seal of HoD</p>
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Head
 Department of Mathematics & Statistics
 Integral University, Lucknow



Integral University, Lucknow

Effective from Session: 2020-21				
Course Code	HE408	Title of the Course	RESEARCH METHODOLOGY	
Year	1 st	Semester	II nd	
Pre-Requisite	Graduation	Co-requisite	None	
Course Objectives	The objective of this paper is to enable the students to know the major concepts and methods in research methodology. The students at the post-graduate level are expected to know research methods and data analysis so that they can be employed in any business and industrial undertakings as research / economic analyst.			

Course Outcomes	
CO1	To understand the scope, purpose of social research and various types of research.
CO2	To understand the identification, selection and formulation of research problem.
CO3	To know about various methods of data collection.
CO4	To know about hypothesis, its importance and problems in formulating hypothesis.
CO5	To understand the format of research report and its structure.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction of Research and Its Types	Introduction, Nature, Scope and Purpose of social research. Types of research: pure & applied research; formulative or exploratory research; descriptive research, historical research, experimental research, survey research.	12	CO1
2	Research Process and Ethical Issues	Identification, selection and formulation of research problem – sources of research problem – criteria of a good research problem. Review of literature. Preparing Research Design: Definition, Concepts, and types- exploratory, descriptive and diagnostic, experimental and Analytical research designs. Ethical issues relating to research. Major Difficulties in the Area of economic research.	12	CO2
3	Data Collection	Data Collection and Processing Population, Sample, Sampling techniques; Methods of collection of Primary Data: Direct Personal Investigation, Indirect oral investigation, Information received through local agents and correspondents, mailed questionnaire; Design of questionnaire; Editing, coding, classification and tabulation of data. Secondary data: Sources, Limitations of Secondary Data, Precautions in the use of Secondary Data.	12	CO3
4	Analysis of data	Definition of Hypothesis, Problems in formulating Hypothesis, Importance of hypothesis, Prerequisites for testing of Hypothesis, Testing of Hypothesis, Types of errors in testing of Hypothesis, Level of significance.	12	CO4
5	Research Report	Presentation of Information and Writing of a Research Report Language, Analysis and interpretation of Data, Presentation of Data (Tables, Graphs, Graphics etc.). Format of a Research Report, Principles of writing the Research Report: Organization and Style - Contents-Styles of reporting. Steps in drafting Reports- Editing the final draft-Evaluating the final draft Organization of the Research Report: Preliminaries, Contents of Report, Structuring the Report: Chapter format. Pagination- Identification- Using quotations- Presenting footnotes – abbreviations- Presentation of tables and figures- Citation and Referencing: APA Style: - format of appendices- Indexing - Bibliography, Appendices.	12	CO5

Reference Books:

- Kothari, C.R (2004) Research Methodology: An Introduction, Delhi, New Age.
 Sadhu A.N. & Amarjit Singh: Research Methodology in Social Sciences, by Himalaya Publishing House.
 Gopal, M.H (1970) An Introduction to Research Procedures in Social Sciences, Bombay, Asia Publishing House.
 Nachmias David & Nachmias Chava, (1981), Research Methods in the Social Sciences, New York.

e-Learning Source:

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

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

PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	2	1	2	1	2	2	3	3	3	2	2	2	2	1	2	1
CO2	1	2	2	2	2	2	3	3	3	3	2	2	1	2	1	2
CO3	2	1	1	2	3	1	2	2	2	2	2	2	2	1	2	1
CO4	2	1	2	2	3	2	3	3	2	3	3	2	2	1	2	1
CO5	1	2	1	1	2	1	2	3	2	2	2	2	1	2	1	2

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

 Dr. Rashmi Shukla Name & Sign of Program Coordinator	 Zeba Aghil Head Humanities & Social Science Sign & Seal of HoD
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Integral University, Lucknow

Effective from Session: 2020-21					
Course Code	HE409	Title of the Course	Computers Application in Economics	L	T
Year	I st	Semester	II nd	P	C
Pre-Requisite	Graduation	Co-requisite	None	3	1
Course Objectives	This course will develop an interest among students regarding use of computer in Economics. The usage of statistical tools, software and preparation of data files will make the student industry ready. On satisfying the requirements of this course, students will be able to critically evaluate economic problems of developing countries.				

Course Outcomes	
CO1	Students will understand the fundamentals of Computer.
CO2	Students will know the basics of documentation and presentation tools .
CO3	Student Gain knowledge of the basics of economic computing software .
CO4	Students will use these tools and software in their course
CO5	Students will analyse and understand the statistical results

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Computer Fundamentals	Introduction to Computers; Classification of Digital Computer, Meaning and Concept; Hardware, Software and Types of Software; Operating System Meaning and Functions; Memory – RAM and ROM; Input-Output Devices; MS Office: MS-Word and MS PowerPoint	12	CO1
2	Data Processing Techniques using MS Excel	Concept of Data – Record and File – Types of Data – Data Entry – File handling and Operations like opening, appending and cascading – closing and attribute controls – Data Storage and Retrieval, Graphical Representation of Data.	12	CO2
3	Application of MS-Excel	Summarizing and analysis of data; Descriptive Statistics (Mean, median, mode, standard deviation, CV, skewness); Comparison of means; Correlation and Regression analysis; Estimation of Growth Rates; Trends of Forecasting; Testing the significance of parameters	12	CO3
4	Internet and E-Commerce	E-Commerce: Meaning, E-Commerce, E-Business and E- Transaction; Ecommerce vs. Traditional Commerce; Security, Digital Signature, Digital Certificate; Encryption; Electronic Payment System - Debit Cards, Credit Cards, Smart Cards, Electronic Funds Transfer, ATM	12	CO4
5	Introduction to Statistical Software and Estimation	Basics of Data Analysis – Data Entry in SPSS – Computing with SPSS – Preparation of Graphs with SPSS – Distribution Functions and Density Functions – Statistical Package handling and command description for SPSS – Reports, Descriptive – Statistics, Compare Means, Time Series Analysis, Correlation and Regression Models	12	CO5

Reference Books:

Fundamentals of Computers by Rajaraman V, Prentice Hall India Learning Private Limited;)
 David Whiteley, E-Commerce: Strategy, Technologies and Applications, Tata McGraw Hill, NewDelhi.
 Goel, Sushil, Computer Application to Business & E-Commerce, Natraj Publishing House, Karnal.
 Lipschultz, M.M. and S. Lipschultz , Theory and Problems of Data Processing, Schum's OutlineSeries, McGraw Hill, New York.
 Madan, Sushila, Information Technology, Taxman Allied Services, New Delhi.
 P.T. Joseph, S.J. , E- Commerce : An Indian Perspective, PHI Learning , New Delhi.

e-Learning Source:

https://onlinecourses.nptel.ac.in/noc21_ge21/preview

Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CO2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CO3	1	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1
CO4	1	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1
CO5	1	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1

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

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

Effective from Session: 2020-21							
Course Code	HE410	Title of the Course	Labour Economics	L	T	P	C
Year	I st	Semester	II nd	3	1	0	4
Pre-Requisite	Graduation	Co-requisite	None				
Course Objectives	To develop students' abilities in acquiring a better understanding of the functioning of labor markets.						

Course Outcomes	
CO1	Acquaint students with the contribution of labor in the process of capitalist development.
CO2	The student will be able to understand the labor market institutions, such as unions, and the government influences the operation of labor markets.
CO3	Students will be able to understand Industrial Relations.
CO4	How incentives shape labor market outcomes, such as the allocation of labor across occupations or the intensity of work effort.
CO5	Students will be able to understand the Contemporary Issues related to the labor market in India.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Labour	Key issues in Developing Economy, Characteristics of Indian Labour, Structure of Labour Market, Employment exchange in India, Rural labor in India Employment Programmes in India, Labour Productivity and wage Determination theories, Minimum wages Act, share of wages in National Income of India, wages Differentials Standardization, National wages Policy.	12	CO1
2	Trade Union	Theories & Function, Trade Union Movement in India and Abroad, National Trade Unions, Impact of Trade Unions	12	CO2
3	Industrial Relations	Recruitment of workers, Disputes & Establishment of peace, Settlement of Disputes, Collective Bargaining, Conciliation Arbitration and adjudication, and Participation in management.	12	CO3
4	Labour Welfare	Labour Welfare Measures in India, legislations in India, Child and women, Labour, Social security-Social Security in India and Abroad, an International labor organization.	12	CO4
5	Contemporary Issues	Labour markets failure, working poverty surplus labor, lack of labor reforms, and other Contemporary issues.	12	CO5

Reference Books:

Labour Economics: Theory, institutional & pub policy, by Ray Marshall

Labour Economics: by Dr. Sinha, Sinha

Labour Economics and social welfare, by Dr. B.P Tyagi & Dr. H.P Singh

Labour Economics & Labour Problems – by M.V. Joshi

e-Learning Source:

<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	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2	2	2	1	2	1	1	2	1	2	2	2	1	2
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CO3	3	2	1	2	1	2	2	1	2	1	2	1	1	2	1	2
CO4	2	1	2	3	1	1	2	3	1	2	1	1	1	2	1	2
CO5	2	1	2	2	2	1	2	1	1	1	2	2	2	1	2	1

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

<p align="center"><i>Dr. Rashmi Shukla</i> Rashmi Shukla</p> <p align="center">Name & Sign of Program Coordinator</p>	<p align="center"><i>Xeba Agil</i></p> <p align="center">Sign & Seal of HoD, Science Integral University, Lucknow</p>
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Integral University, Lucknow

Effective from Session: 2020-21				
Course Code	HE411	Title of the Course	RESOURCE ECONOMICS	
Year	I st	Semester	II nd	
Pre-Requisite	Graduation	Co-requisite	None	
Course Objectives	Students will come to know about market failure, students will learn to design regulation which corrects market failure and they will learn how to regulate pollutants that travel across country boundaries and how environmental regulations affect trade flows.			

Course Outcomes	
CO1	To know about the problem of externality and how to solve it.
CO2	To understand the measurement of environmental values, market and non-market valuation.
CO3	To know about environmental impact assessment and its methods.
CO4	To know about Environmental and Natural resource policy and its strategies.
CO5	To understand the relationship among population, environment and poverty and Protocols and Treaties relating to climate change and Environmental degradation.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Unit - I	The theory of Externality and Public Goods: Concepts, Market failure, Pigouvian Solution, Buchanan's Theory, Coase's theorem and its critique, Pigouvian vs. Coasian solution; Detrimental externality and non-convexities in the production set.	12	CO1
2	Unit - II	Property rights; Collective action. Measurement of Environmental Values: Use values; Option value and non-use values. Techniques of Valuation: Market and Non-Market Valuation: Physical linkage methods; Abatement Cost Methods; Behavior Linkage Method-Revealed and stated preference; Social Cost benefit Analysis.	12	CO2
3	Unit - III	Environmental impact assessment, Hedonic property values and house hold production models (Travel cost method and household health production function). Methods based response to hypothetical Markets, Contingent Valuation Methods.	12	CO3
4	Unit - IV	Environmental and Natural resource policy and strategies, Evolution of Environmental Policy, Economics of Environmental Policy, Protection, Conservation, Policy Instruments; Pigouvian Tax and Subsidies, Tradable permits and fees, Price vs. Quantity instruments, Mixed instruments, Monitoring and Enforcement Issues, India's Environmental Policy and Performance, International Environmental Policy, Environmental Planning and Management, Macroeconomic Policies and Environment, People's Participation.	12	CO4
5	Unit - V	Population and Environment, Poverty and Environment, Trade and environment in the WTO regime, Eco-labeling, Economics of climate change, Causes and Consequences of Ozone depletion and climate change. Rio and other then Rio Conference, Protocols and Treaties relating to climate change and Environmental degradation, Ozone depletion and Bio diversity.	12	CO5

Reference Books:

- Kothari, C.R (2004) Research Methodology: An Introduction, Delhi, New Age.
 Sadhu A.,N. & Amarjit Singh: Research Methodology in Social Sciences, by Himalaya Publishing House.
 Gopal, M.H (1970) An Introduction to Research Procedures in Social Sciences, Bombay, Asia Publishing House.
 Nachmias David & Nachmias Chava, (1981), Research Methods in the Social Sciences, New York.

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	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO																
CO1	2	1	2	1	2	2	3	3	3	2	2	2	2	1	2	1
CO2	1	2	2	2	2	2	3	3	3	3	2	2	1	2	1	2
CO3	2	1	1	2	3	1	2	2	2	2	2	2	2	1	2	1
CO4	2	1	2	2	3	2	3	3	2	3	3	2	2	1	2	1
CO5	1	2	1	1	2	1	2	3	2	2	2	2	1	2	1	2

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

<p>Dr. Rashmi Shukla</p> <p><u>Rashmi Shukla</u></p> <p>Name & Sign of Program Coordinator</p>	<p>Zeba Agni</p> <p>Head</p> <p>Humanities & Social Science</p> <p>Integral University</p> <p>Sign & Seal of HoD</p>
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Integral University, Lucknow

Effective from Session: 2020-21

Course Code	HE412	Title of the Course	Indian Economy	L	T	P	C
Year	I st	Semester	II nd	3	1	0	4
Pre-Requisite	Graduation	Co-requisite	None				
Course Objectives	To make students aware of the structure and growth of the Indian economy and to apprise them of policy issues related to the economy of India.						

Course Outcomes	
CO1	Develop ideas of the basic characteristics of the Indian economy and its potential for natural resources.
CO2	The student will be able to understand the basic characteristics of the agriculture sector in India.
CO3	The student will be able to understand the characteristics of the industrial and service sector in India.
CO4	The student will be able to understand the poverty and unemployment situation in India.
CO5	The student will be able to understand Foreign Trade and Investment in India.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Development and Structure of the Indian Economy	Concept of Growth and Development, Developed, developing, and Emerging Market Economies (EME), Characteristics of the Indian Economy, India's economic development during the plan period, NITI Aayog and post- Plan development, Savings and Capital Formation in India, India's demographic Profile, Basic demographic characteristics, Rapid population growth, and India's Population policies.	12	CO1
2	Agriculture	Production, Growth and Structure, Farm size and Productivity, Land Reforms, Agricultural Marketing, Agricultural Credit-Non Institutional and Institutional sources of credit.	12	CO2
3	Industry and Services	Major Industries- Iron and Steel, Cement, Paper and Sugar Industries, Micro, Small, and Medium Enterprises (MSMEs), Sources of Industrial Finance, Industrial Policy, Trade Unions, and Social Security Measures for Industrial Labour. Services- Growth of Trade, Hotels and Restaurants, Transport, Storage and Communication, Finance, and Real Estate.	12	CO3
4	Poverty and Unemployment	Concept of unemployment, types, measures to curtail unemployment in India, Employment generation Programmes Poverty- relative and absolute, Measures of Poverty Alleviation, Inclusive Growth, Occupational Structure in the unorganized and unorganized sector, Social Security measures for India's population	12	CO4
5	Foreign Trade and Investment	India's Foreign trade: Composition and direction, EXIM policy, Current account deficit, and capital flows, FDI and Portfolio investment, Balance of trade, and Balance of Payment.	12	CO5

Reference Books:

Rudra Dutt and KPM Sundaram- Indian Economy.

Uma Kapila- Indian Economy.

A.N. Agarwal/MK Agarwal- Indian Economy.

e-Learning Source:

<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	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	2	2	1	1	2	2	1	1	1	2	1	2	1	2	1	2
CO2	2	2	2	2	3	1	1	3	1	2	2	1	2	1	2	1
CO3	2	1	1	1	2	2	2	2	1	1	2	2	1	2	2	2
CO4	2	1	2	3	1	1	2	3	2	2	2	1	1	2	1	2
CO5	3	1	2	2	2	1	2	1	1	1	2	2	2	1	2	1

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

<p>Dr. Rashmi Shukla</p> <p>Rashmi Shukla</p> <p>Name & Sign of Program Coordinator</p>	<p>Zeba Agil</p> <p>Humanities & Social Sciences</p> <p>Sign & Seal of HoD</p> <p>Integral University, Lucknow</p>
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SEMINAR AND WORKSHOP
HE495

LTPC
0021
Max. Marks: 100
CA: 100

Contact Hours: 2 Contact Hours/ week

Course Objective : To acquaint student with the presentation skills. Presentation skills will be enhanced keeping in mind the research approach of the student. Attending seminars and workshops will give the shape of their thinking towards Research.

1. Two Internal Seminar (Based on Economics Content)
2. One External National Seminar (Based on National Economics Content)
3. One External International (Based on International Economics Content)
4. One Workshop on Research Methodology
5. One Workshop on Statistical Tool Package
6. Organize one seminar at departmental level with relevant themes.

Note :

1. After successful completion of all the above mentioned activities students have to submit the copy of Research Papers of Seminars and Assignments of Workshop alongwith their respective Certificates.
2. The students are required to maintain the record of all the above activities.
3. The final examination will be conducted by the Panel of Internal Examiners in the form of Viva-Voce.

Rashmi Shukla
Dr. Rashmi Shukla

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