



<b>Effective from Session: 2024-25</b>							
<b>Course Code</b>	A080101T/ HE107	<b>Title of the Course</b>	Principles of Micro Economics	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>Year</b>	1 <sup>st</sup>	<b>Semester</b>	1 <sup>st</sup>	<b>5</b>	<b>1</b>	<b>0</b>	<b>6</b>
<b>Pre-Requisite</b>	Intermediate	<b>Co-requisite</b>	None				
<b>Course Objectives</b>	This course is designed to expose first-year students, who may be new to economics, the basic principles of microeconomic theory.						

**Course Outcomes**

<b>CO1</b>	The students are familiarized with basic concepts of microeconomics.
<b>CO2</b>	The students learn laws of demand and elasticity, so that he/she can comprehend them & familiarize with day today happenings.
<b>CO3</b>	The students learn supply and law of supply.
<b>CO4</b>	The students learn how individuals allocate resources based budget constraints.
<b>CO5</b>	The students learn and understand application of Indifference curve analysis in deriving demand curves, price effect, income effect and substitution effect.
<b>CO6</b>	The students learn and understand the Theory of production- iso-quants, laws of returns to scale, law of variable proportion.
<b>CO7</b>	The students learn, understand and compare between the Traditional and modern theory of cost.
<b>CO8</b>	Demonstrate an understanding, usage and application of basic economic principles.

Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction: Basic Concepts and Definition of Economics, scope of economics, Problem of scarcity and choice: scarcity, choice and opportunity cost; production possibility frontier; economic systems.	7	CO1
2	Demand :law of demand, determinants of demand, shifts of demand versus movements along a demand curve, market demand. Elasticity: price elasticity of demand, calculating elasticity, determinants of price elasticity, other elasticities	8	CO2
3	Supply: law of supply, determinants of supply, shifts of supply versus movements along a supply curve, market supply, market equilibrium. Applications of demand and supply: price rationing, price floors, consumer surplus, producer surplus.	8	CO3
4	Consumer Theory: Budget constraint, concept of utility, diminishing marginal utility, Diamond-water paradox, income and substitution effects;	7	CO4
5	Consumer choice: indifference curves, derivation of demand curve from indifference curve and budget constraint. Theory of Revealed Preference	7	CO5
6	Production: behavior of profit maximizing firms, production process, production functions, law of variable proportions, choice of technology, isoquant and isocost lines, cost minimizing equilibrium condition.	7	CO6
7	Costs: costs in the short run, costs in the long run, revenue and profit maximizations, minimizing losses, short run industry supply curve, economies and diseconomies of scale, long run adjustments.	8	CO7
8	Market Structures a. Perfect Competition: a. Assumptions: theory of a firm under perfect competition, demand and revenue; equilibrium of the firm in the short run and long run; long run industry supply curve: increasing, decreasing and constant cost industries. Welfare: allocative efficiency under perfect competition.	8	CO8

**Reference Books:**

1. Ahuja ,H.L(2013) : Advanced Economic Theory”, S.Chand& Company.
2. Ahuja,H.L (2012) :UcchatarArthikSiddhant”, S.Chand& Company, New Delhi.
3. Dwivedi,D.N (2011) :Microeconomics-Theory & Applications”, Pearson.
4. Lal, S.N (2013):ArthshastraKeSiddhant”, Shiva Publishing House, Allahabad.
5. Lipsey,Richard&Chrystal,Alec (2011) : Economics”, Oxford University Press Publications, New Delhi.
6. Pindyck,Robert.S., Rubinfeld.Daniel.L., Mehta.Prem.L(2009): Microeconomics”, Pear son.

**E-Learning Source:**

- Swayam
- Coursera

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

PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
<b>CO1</b>	3	3	3	-	-	3	-	3	3	1	3
<b>CO2</b>	3	3	3	-	-	3	-	3	3	1	3
<b>CO3</b>	3	3	3	-	3	3	-	3	3	1	3
<b>CO4</b>	3	3	3	-	1	3	-	3	3	2	3
<b>CO5</b>	3	3	3	-	3	3	-	3	3	2	3
<b>CO6</b>	3	3	3	-	3	3	-	3	3	2	3
<b>CO7</b>	3	3	3	-	-	3	2	3	3	3	3
<b>CO8</b>	3	3	3	-	-	3	-	3	3	3	3

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

<b>Name &amp; Sign of Program Coordinator</b>	<b>Sign &amp; Seal of HoD</b>
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Effective from Session: 2024-25

Course Code	A080102T/HE109	Title of the Course	Indian Economy.	L	T	P	C
Year	I <sup>st</sup>	Semester	I <sup>st</sup>	5	1	0	6
Pre-Requisite	Intermediate	Co-requisite	None				
Course Objectives	This course aims to give an overview of the Indian Economy and the economic planning in India. It discusses the economic policies of India along with an overview of agriculture in India, poverty and inequality situation, demographic dividend and human capital. It focusses on the globalization and economic reforms and emerging issues in the Indian economy.						

Course Outcomes	
CO1	Understand the Historical perspective, basic features, and current status of Indian economy.
CO2	To study the role and functions of Planning Commission and NITI Aayog in India.
CO3	Understand the concept of Fiscal policy and Monetary policy.
CO4	Understand the concept of green revolution, agricultural pricing and marketing policies.
CO5	To study the concept of poverty line, poverty indices.
CO6	Understand the population trends in India.
CO7	Understand the Impact of globalization on various sectors of the Indian economy.
CO8	Students will be able to identify the emerging Issues in the Indian Economy.

Unit No.	Content of Unit	Contact Hrs.	Mapped CO
1	<b>Introduction to Indian Economy:</b> An Overview of the Indian economy: Historical perspective, basic features, and current status. Economic development and growth: Goals, measures, and indicators.	07	CO1
2	<b>Economic Planning in India:</b> Five-Year Plans: Evolution, objectives, achievements, and criticisms. Planning Commission and NITI Aayog: Role and functions.	07	CO2
3	<b>Economic Policies:</b> Industrial Policy: Evolution, objectives, and impact. Trade Policy: Import-export policy, tariffs, trade agreements. Fiscal Policy: Budgeting process, taxation, government expenditure. Monetary Policy: Role of the Reserve Bank of India (RBI), money supply, inflation targeting.	08	CO3
4	<b>Primary Sector:</b> Overview of agriculture in India: Importance, challenges, and reforms. Green Revolution and its impact. Agricultural pricing and marketing policies.	07	CO4
5	<b>Poverty and Inequality:</b> Measurement of poverty: Poverty line, poverty indices. Causes and consequences of poverty and inequality. Poverty alleviation programs: Overview and evaluation.	08	CO5
6	<b>Demographic Dividend and Human Capital:</b> Population trends in India: Growth, structure, and challenges. Education and healthcare: Status, policies, and impact on economic development.	07	CO6
7	<b>Globalization and Economic Reforms:</b> Liberalization, privatization, and globalization (LPG) reforms. Impact of globalization on various sectors of the Indian economy. Role of international organizations: WTO, IMF, World Bank.	08	CO7
8	<b>Emerging Issues in the Indian Economy:</b> Sustainable development: Environmental challenges and policies. Digital economy: E-commerce, digital payments, and regulations. Urbanization and urban development policies.	08	CO8

**Reference Books:**

- Annual Financial Statement (Budget) various years & Latest published by the Government of India.
- Economic Surveys, Government of India (Hindi/English).
- Indian Economy by Mishra & Puri. Himalaya Publishing House (Hindi /English).
- Indian Economy by Uma Kapila, Academic Foundation.
- Indian Economy. Rudra Dutt & Sundaram. S. Chand & Company (Hindi /English).
- Publications of the Government of India.

**E-Learning Source:**

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

PO-PSO CO	Course Articulation Matrix: (Mapping of COs with POs and PSOs)										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	2	3	1	2	1	3	2	1	3	1
CO2	2	3	2	3	1	2	2	1	1	2	1
CO3	3	1	3	1	2	3	1	3	2	1	3
CO4	1	2	1	2	3	1	3	2	1	3	3
CO5	3	3	2	3	2	3	1	1	2	2	3
CO6	1	2	3	2	2	2	2	2	3	1	2
CO7	2	1	1	1	1	3	3	2	1	3	3
CO8	3	3	2	3	3	3	2	2	2	1	3

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Name & Sign of Program Coordinator	Sign & Seal of HoD
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**Integral University, Lucknow**  
**Department of Environmental Science**

Effective from Session:2023-2024																		
Course Code	I150106T/ES131		Title of the Course	Introduction to Natural Hazard and Disaster Management					L	2	T	1	P	0	C	3		
Year	1st		Semester	I					2	1	0	3						
Pre-Requisite	Basic science		Co-requisite	NIL														
Course Objectives	1. To impart basic knowledge of concept of Hazard, risk and vulnerability. 2. To understand types of hazards, its causes and impact. 3. Assessment of risk and vulnerability. 4. Acquiring knowledge about mitigation and preparedness to combat disaster. 5. To aware about role of government bodies in disaster management.																	
Course Outcomes																		
CO1	Gain basic knowledge of concept of Hazard, risk and vulnerability.																	
CO2	Acquired knowledge of hazards its impact.																	
CO3	Understand about Assessment of risk and vulnerability related to disaster.																	
CO4	Formulate, organize and assess disaster Risk reduction activities																	
CO5	Demonstrate and practice Disaster Management.																	
Unit No.	Title of the Unit	Content of Unit											Contact Hrs.	Mapped CO				
1	Concept of Disaster and Vulnerability	Hazard and disaster -Concept; risk and vulnerability; Types of hazards-Natural hazards: hydrological, atmospheric & geological hazards, Causes of Earthquake, floods, cyclone, tsunami, landslides, and drought.											10	CO1				
2	Impact of Disaster	Global and National Perspective. Disaster profile of India, Case studies from Disasters, Large Hydro projects and its risks-Uttarakhand Dsisaster-2013.											10	CO2 CO3				
3	Disaster Management	Component of Disaster Management-Preparedness and Mitigation, Phases of Disaster Management. Compensation and Insurance.											10	CO4 CO5				
4	Intervention of technologies	Application of geoinformatics in hazard, risk & vulnerability assessment. Early warning System; PTWS & IMD.											10	CO5				
5	Disaster Risk Reduction	Approaches to Disaster risk Reduction (DRR)- Role of public, education and media in DRR. Community Based DRR,International/National Humanitarian aid.											10	CO4				
6	Disaster Act. And Policies	National Acts and policies for mitigating Disasters (Disaster Management Act 2005, National Policy for Disaster Management-2009, Institutional Framework for disaster management (NDMA, SDMA, SDMA &NIDM).											10	CO5				
Reference Books:																		
1-Coppola D. P. 2007. Introduction to International Disaster Management. Butterworth Heinemann.																		
2-Cutter, S.L. 2012. Hazards Vulnerability and Environmental Justice. EarthScan, Routledge Press.																		
3-Keller, E. A. 2012. Introduction to Environmental Geology. Prentice Hall, Upper Saddle River, New Jersey.																		
4-Pine, J.C. 2009. Natural Hazards Analysis: Reducing the Impact of Disasters. CRC Press, Taylor and Francis Group.																		
5-Schneid, T.D. & Collins, L. 2001. Disaster Management and Preparedness. Lewis Publishers, New York, NY.																		
6-Smith, K. 2001. Environmental Hazards: Assessing Risk and Reducing Disaster. Routledge Press.																		
7-Wallace, J.M. & Hobbs, P.V. 1977. Atmospheric Science: An Introductory Survey. Academic Press, New York.																		
e-Learning Source:																		
<a href="https://www.researchgate.net/publication/323794760_Natural_Hazards_and_Disaster_Management">https://www.researchgate.net/publication/323794760_Natural_Hazards_and_Disaster_Management</a>																		
<a href="https://link.springer.com/article/10.1007/s11069-019-03677-2">https://link.springer.com/article/10.1007/s11069-019-03677-2</a>																		
<a href="https://ndmindia.mha.gov.in/images/public-awareness/Primer%20for%20Parliamentarians.pdf">https://ndmindia.mha.gov.in/images/public-awareness/Primer%20for%20Parliamentarians.pdf</a>																		
SWAYAM MOOC, e-Skill India, Coursera, Udemy,NPTEL																		
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	PSO5	PS O6
CO1						2	2		-	-	-	-	3	2	2	1	1	-
CO2			2			2			-	-	-	-	2	2	3	1	1	-
CO3			2			2			-	-	-	-	1	3	2	1	1	-
CO4		3				2			-	-	-	-	1	3	1	3	3	-
CO5		2	2			2	2		-	-	-	-	1	1	3	3	3	-

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

<b>Name &amp; Sign of Program Coordinator</b>	<b>Sign &amp; Seal of HoD</b>
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Effective from Session:2024-25							
Course Code	HM101	Title of the Course	RASHTRA GAURAV	L	T	P	C
Year	I	Semester	I	2	0	0	2
Pre-Requisite	Intermediate (Any Stream)	Co-requisite	None				
Course Objectives	The objective of the course on "Rashtra Gaurav" is to explore and critically analyze the multifaceted dimensions of national pride and glory, as depicted in the paper. Participants will delve into the historical, cultural, social, and political aspects that contribute to the concept of "Rashtra Gaurav" (National Pride) in the context of the specific themes and perspectives presented in the paper. Through in-depth discussions, readings, and interactive sessions, participants will gain a comprehensive understanding of the factors that shape and define a nation's sense of pride, and how these factors influence individual and collective identities. The course aims to foster a nuanced appreciation for the significance of "Rashtra Gaurav" in contemporary society, encouraging participants to critically evaluate its implications and applications within diverse global contexts.						

Course Outcomes	
CO1	To understand the basics of Indian Society and culture.
CO2	To understand the literature, science and astrology.
CO3	To understand Indian heritage.
CO4	To examine the philosophical and spiritual developments in India.
CO5	To evaluate the contributions of Major National Characters and Personalities.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Indian Society & Culture	<ul style="list-style-type: none"> <li>Unity in Diversity: Cultural &amp; Religious Harmony</li> <li>Indian Diaspora</li> <li>Ancient Indian Civilization.</li> <li>National and International Awards &amp; Awardees</li> </ul>	05	01
2	Literature, Science, Astrology	<ul style="list-style-type: none"> <li>Indian Epics: Ramayan &amp; Mahabharata</li> <li>Prominent litterateur: Shudrak, Kalidas, Amir Khusru,</li> <li>Kautilya's Arthashastra</li> <li>Panini's Ashtadhyayi</li> </ul>	05	02
3	Indian Heritage	<ul style="list-style-type: none"> <li>Cultural Heritage in India: Buddhist Monuments at Sanchi, Ajanta &amp; Ellora Caves, Khajuraho, Taj Mahal</li> <li>Tourist Places in India: Red Fort, Ambar Palace, Kaziranga National Park</li> </ul>	04	03
4	Philosophical and Spiritual Developments	<ul style="list-style-type: none"> <li>Sufism &amp; Bhakti Movement: Bulleh Shah, Data Ganj Baksh, Khwaja Moinuddin Chishti, and Nizamuddin Auliya. Tulsidas, Surdas, Meera, Nanak &amp; Kabir</li> <li>Jainism: Mahavir's Biography and Education</li> <li>Buddhism: The life of Buddha, Contributions of Buddhism to India's Culture</li> </ul>	05	04
5	Major National Characters And Personalities	<ul style="list-style-type: none"> <li>Ashoka the Great and His Dhamma</li> <li>Raja Ram Mohan Roy &amp; Brahma Samaj</li> <li>Swami Vivekanand and his philosophies</li> <li>Mahatma Gandhi: Role of Gandhi in Indian National Movement</li> <li>Dr. Bhimrao Ambedkar: A Chief architect of the Indian Constitution</li> </ul>	06	05

Reference Books:
Jawaharlal Nehru - "The Discovery of India" B.R. Ambedkar - "Annihilation of Caste" Ramachandra Guha - "India After Gandhi: The History of the World's Largest Democracy" Mahatma Gandhi - "My Experiment with Truth" S C Dubey- "Indian Society" Nadeem Hasnain - "Indian Society and Culture" G Shah- "Social Movements in India"

Course Articulation Matrix: (Mapping of COs with POs and PSOs)										
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	1	3	3	2	2	3	2	1	2
CO2	3	2	2	3	1	2	3	1	2	1
CO3	1	2	2	2	2	3	2	3	3	2
CO4	1	3	2	3	2	3	2	3	1	3
CO5	2	3	1	2	2	3	1	3	2	1

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Name & Sign of Program Coordinator	Sign and seal of HoD
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