

Course Outcomes – Program Outcomes (COPO) Mapping

Program Outcomes (PO): B.A. (H) Economics

Learning Outcome-based Curriculum Framework (LOCF)

The LOCF approach is envisioned to provide a focused, outcome-based syllabus at the undergraduate level with an agenda to structure the teaching-learning experiences in a more student-centric manner.

ABBREVIATIONS / NOMENCLATURE

Sno.	Nomenclature	Description	Aggregate Courses
1	PO	Program Outcome	PO1, PO2, PO3, PO4, PO5, PO6, PO7
2	CO	Course Outcome	CO1, CO2, CO3, CO4, CO5
3	CC	Core Courses	CC1, CC2,CC14
4	DSE	Discipline Specific Electives	DSE1, DSE2, DSE3, DSE4, DSE5, DSE6
5	GE	General Electives	GE1, GE2, GE3, GE4
6	BAP	BA Program	BAP1, BAP2, BAP3, BAP4, BAP5, BAP6

Sno.	Program Outcomes (PO): B.A. (H) Economics	Statements
1.	PO1	Get an understanding of basic economic theory.
2.	PO2	Learn the mathematical and statistical techniques necessary for a proper understanding of the discipline.
3.	PO3	Get an introduction to real-world economic issues and problems facing the country and the world.
4	PO4	Gain an understanding of proper policy responses to economic problems.
5	PO5	Get trained to collect primary data and learn sampling techniques.
6	PO6	Learn to use scientific empirical methods to arrive at conclusions about the validity of economic theories.
7	PO7	Get trained in the art of economic modelling.

COURSE OUTCOMES (CO): B.A (H) ECONOMICS

SEMESTER 1:			
CC1: INTRODUCTORY MICROECONOMICS			
Course Code	Name of the Paper	Course Outcome: CO	Statement
12271101	CC1: Introductory Microeconomics	CO1	The course introduces the students to the first course in economics from the perspective of individual decision-making as consumers and producers.
		CO2	The students learn some basic principles of microeconomics.
		CO3	They are also exposed to interactions of supply and demand, and

			characteristics of perfect and imperfect markets
		CO4	It will also illustrate how microeconomic concepts can be applied to analyze real-life situations.
CC2: MATHEMATICAL METHODS FOR ECONOMICS - I			
2272101102	CC2: Mathematical Methods for Economics -I	CO1	Learn the basic mathematical prerequisites for other papers in the Honours, Masters' and Ph.D. programs
		CO2	Learn mathematical techniques and methods used in academics, research, and industry
		CO3	Able to express economic ideas using mathematics and analyze economic models using mathematical methods
		CO4	the student will learn to become more logical in making or refuting arguments
		CO5	Learn techniques of single-variable optimization and think about their application in economics
GE- FOR HONOURS			
GE1: INTRODUCTORY MICROECONOMICS			
2274002001	GE1: Introductory Microeconomics	CO1	Get introduced to the framework for learning about consumer behavior and analyzing consumer decisions.
		CO2	Learn about production, cost theory and a firm's equilibrium.
		CO3	Understand the different market structures and theoretical mechanisms behind the working of markets.
		CO4	Learn about the characteristics of perfect and imperfect markets.
		CO5	Use the fundamental techniques to think about a number of policy

			questions related to the operation of the real economy.
BA PROGRAM:			
BA P I: PRINCIPLES OF MICROECONOMICS -I			
62271101	Principles of Microeconomics -I	CO1	Understand the determinants of demand and supply and the concept of market equilibrium, surplus, and shortage.
		CO2	Understand society's trade-offs by using a production possibilities frontier (or curve) as well as the concept of elasticity.
		CO3	Understand the concept of production and costs in detail.
		CO4	Assist in solving applications in economics, as in production and consumption theory.
		CO5	Learn tools necessary for anyone seeking employment as an analyst in the corporate world.

COPO MAPPING

Papers	SEMESTER I: COPO MAPPING							
	Program Outcome: PO							
	Course Outcome : CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CC1	CO1	✓						
	CO2	✓						
	CO3	✓						
	CO4		✓					
CC2	CO1		✓ ✓					
	CO2				✓			✓
	CO3							✓

	CO4				✓			
	CO5		✓ ✓					
GE1	CO1			✓				
	CO2	✓			✓			
	CO3	✓			✓			
	CO4	✓						
	CO5				✓			
BA P1	CO1	✓						
	CO2		✓					
	CO3	✓						
	CO4	✓			✓			
	CO5			✓			✓	✓

SEMESTER II**CC3: INTRODUCTORY MACROECONOMICS**

Unique Paper Code	Name of the Paper	Course Outcome: CO	Statement
12271201	CC3: Introductory Macroeconomics	CO1	This course aims to develop the broad conceptual frameworks which will enable students to understand and comment upon real economic issues
		CO2	They can comprehend situations such as inflation, money supply, GDP, and their interlinkages.
		CO3	They will be able to understand the coherent logical structure of policies
		CO4	It will also allow them to critically evaluate various macroeconomic policies

CC4: MATHEMATICAL METHODS FOR ECONOMICS - II

12271202	CC4: Mathematical Methods for Economics- II	CO1	The course provides the mathematical foundations necessary for further study of a variety of disciplines including postgraduate economics, statistics, computer science, finance and data analytics
		CO2	The students learn analytical tools introduced in the course such as optimization techniques, and linear programming.
		CO3	The course has large-scale applications in business decision-making for managers and entrepreneurs.
		CO4	The tools are necessary for anyone seeking employment as an analyst in the corporate world.

GE- FOR HONOURS**GE 2: INTRODUCTORY MACROECONOMICS**

	Introductory Macroeconomics	CO1	This course aims to develop the broad conceptual frameworks which will enable students to understand and comment upon real economic issues
		CO2	The course will equip students with basic functioning of macroeconomics
		CO3	They will understand the measurement of macroeconomic concepts such as GDP, savings, investment, money, inflation, and balance of payments.
		CO4	The students understand the simple analytical frameworks such as the IS-LM model for the determination of equilibrium output.
<p>BA PROGRAM:</p> <p>BA P 2: PRINCIPLES OF MICROECONOMICS - II</p>			
62271201	Principles of Microeconomics - II	CO1	The students understand the different forms of market imperfections and market failures.
		CO2	They understand the distribution of production among various factors of production and input demand
		CO3	They will comprehend the concepts of comparative and absolute advantage
		CO4	They understand imperfect competition such as monopoly and monopolistic competition.
		CO5	They understand various contemporary issues of international trade.

SEMESTER III**CC5: INTERMEDIATE MICROECONOMICS- I**

Unique Paper Code	Name of the Paper	Course Outcome: CO	Statement
12271301	CC5: Intermediate Microeconomics - I	CO1	The course trains the students of Economics about the basic elements of consumer theory and production theory.
		CO2	They will understand the functioning of the perfectly competitive market.
		CO3	This course aims to give students a solid grasp of microeconomic analysis.
		CO4	The students learn to apply mathematical tools and techniques wherever appropriate.

CC6: INTERMEDIATE MACROECONOMICS - I

12271302	CC6: Intermediate Macroeconomics - I	CO1	The students can differentiate between classical and neoclassical theories of macroeconomics which study the causes of short-run fluctuation (business cycle) in national income, inflation analysis, and open economy macroeconomics.
		CO2	Understand the role of 'expectation' in wage determination and the inflationary process.
		CO3	They understand fiscal and monetary policies along with commodity, assets, and labour markets.
		CO4	This course enables students to analyze the macroeconomic performance of various countries.
		CO5	It also allows them to evaluate important macroeconomic policies and its implications.

CC7: STATISTICAL METHODS FOR ECONOMICS

12271303	CC7: Statistical Methods for Economics	CO1	They learn to use statistical techniques for quantitative, data-based problems, analysis, and inference.
		CO2	They understand the concept of random variables and discrete and continuous distributions of random variables.
		CO3	They can estimate population parameters based on random samples
		CO4	They understand the significance of random sampling.
		CO5	They learn the testing of hypotheses, type of errors, and power of a test and can comprehend their implications on the estimation of parameters.

GE- FOR HONOURS**GE 3 (a): INDIAN ECONOMY - I**

12275301	GE3(a): Indian Economy - I	CO1	They understand the key issues related to the Indian economy.
		CO2	They can establish interlinkages in the major policy debates in the Indian context.
		CO3	They comprehend the differences between growth and development and also understand the factors responsible for development.
		CO4	They understand the significance of population in economic development and the issue of unemployment.
		CO5	Understand sector-specific policies and their impact on shaping trends in key economic indicators in India.

GE 3 (b): MONEY AND BANKING

12275303	GE 3 (b): Money and Banking	CO1	The students understand the functioning of the monetary and financial sectors of the economy.
		CO2	They understand the concepts of rates of interests, monetary management and instruments of monetary control.
		CO3	They understand financial and banking sector reforms and monetary policy with special reference to India
		CO4	They comprehend the concepts, tools, functions and theory of money.
		CO5	They understand the balance sheet, goals, targets, indicators and instruments of monetary control, along with current monetary policy of India.
<p>BA PROGRAM:</p> <p>BA P 3: PRINCIPLES OF MACROECONOMICS - I</p>			
62274301	BA P3: Principles of Macroeconomics-I	CO1	They can differentiate meaning of macroeconomics and various macroeconomic issues.
		CO2	They understand the meaning of GDP and its measurement.
		CO3	They learn to comprehend the basics of national income accounting.
		CO4	They understand money, functions, demand and theory of money.
		CO5	They understand and evaluate fiscal and monetary policy outcomes.

COPO MAPPING

Papers	SEMESTER III: COPO MAPPING Program Outcome: PO							
	Course Outcome : CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CC5	CO1	✓						
	CO2			✓				
	CO3	✓		✓				
	CO4		✓					✓
	CO1	✓		✓		✓		
CC6	CO2	✓	✓	✓				
	CO3	✓		✓		✓		
	CO4				✓			
	CO1		✓					
CC7	CO2	✓	✓					
	CO3						✓	✓
	CO4	✓					✓	
	CO5						✓	✓
	CO1			✓				
GE 3 (a)	CO2			✓	✓			
	CO3	✓						
	CO4			✓				
	CO5				✓			
	CO1	✓						
GE 3 (b)	CO2	✓						
	CO3				✓			

	CO4	✓						
	CO5				✓			
BA P 3	CO1	✓						
	CO2		✓					
	CO3		✓					
	CO4						✓	
	CO5				✓			

SEMESTER IV			
CC8: INTERMEDIATE MICROECONOMICS- II			
Unique Paper Code	Name of the Paper	Course Outcome: CO	Statement
12271401	CC8: Intermediate Microeconomics II	CO1	They get well aware of micro-foundations required for policy decisions.
		CO2	They understand the efficiency of markets and the environment where the standard market mechanism fails to achieve desirable outcomes.
		CO3	They can understand the concepts of market imperfections, and market failures.
		CO4	They comprehend the concepts of general equilibrium and welfare analysis.
		CO5	They understand the structures of concepts of game theory and its applications.
CC9: INTERMEDIATE MACROECONOMICS - II			
12271402	CC9: Intermediate Macroeconomics - II	CO1	Understand the fundamentals of Macroeconomics.

		CO2	They understand the theories of growth and their policy implications.
		CO3	Understand the application of macroeconomic analysis to the study of economic problems such as inflation, unemployment, and budget deficit.
		CO4	The students familiarise themselves with current macroeconomic data and its relevance.
		CO5	The students understand business cycles and the concomitant role of Policies.
CC10: INTRODUCTORY ECONOMETRICS			
12271403	CC10: Introductory Econometrics	CO1	They will understand the regression analysis of both simple regression and multiple regression
		CO2	They will attain fundamental knowledge of all concepts in econometrics and advanced econometrics
		CO3	They can estimate linear models using ordinary least squares and make inferences regarding the population parameters.
		CO4	They understand how to identify biases due to mis-specification.
		CO5	They learn the detection, consequences, and remedies of violation of classical assumptions.
GE- FOR HONOURS			
GE 4(a) : INDIAN ECONOMY - II			
12275401	GE 4(a): Indian Economy - II	CO1	Students will understand major trends in economic indicators and policy debates in India
		CO2	Understand the concept of economic development since

			independence in the context of structural changes, savings, and investments.
		CO3	They will be equipped with demographic trends and issues, education, health and malnutrition, and policies towards poverty, inequality, and unemployment.
		CO4	They can comprehend economic issues from an international perspective.
		CO5	The students can relate theoretical frameworks of macroeconomics and microeconomics to the Indian context
GE 4 (b) : PUBLIC FINANCE			
12275403	GE 4(b): Public Finance	CO1	The students understand the fundamental concepts of public finances.
		CO2	They use diagrammatic analysis to demonstrate and compare the economic welfare effects of various government policies.
		CO3	They will understand the significance and challenges related to government revenues and expenditures.
		CO4	Students understand government taxes both direct and indirect.
		CO5	The students will understand the main issues in government expenditure.
BA PROGRAM:			
BA P 4: PRINCIPLES OF MACROECONOMICS - II			
62274403	BA P 4: Principles of Macroeconomics - II	CO1	The students understand the IS-LM framework and comprehend the fundamentals of macroeconomic functioning.
		CO2	They will know the method for determining national income.
		CO3	Concepts related to inflation and unemployment will be clear along with their interlinkages.

		CO4	The implications of an open economy will be clear and they will comprehend the important concepts such as balance of payment and the method of determining exchange rates.
		CO5	Analyze critically all macroeconomic policies and comprehend the contemporary situations.

COPO MAPPING

Papers	SEMESTER IV: COPO MAPPING Program Outcome: PO							
	Course Outcome : CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CC8	CO1	✓			✓			
	CO2		✓	✓				
	CO3			✓				
	CO4	✓						
	CO5	✓		✓				✓
CC9	CO1	✓						
	CO2	✓			✓			
	CO3			✓				
	CO4			✓	✓			

	CO5			✓	✓			
CC10	CO1	✓	✓					✓
	CO2	✓						
	CO3						✓	✓
	CO4		✓				✓	✓
	CO5		✓				✓	✓
GE 4 (a)	CO1			✓			✓	
	CO2	✓						
	CO3			✓				
	CO4			✓				
	CO5	✓		✓				
GE 4 (b)	CO1	✓						
	CO2		✓		✓			
	CO3			✓	✓			
	CO4	✓						
	CO5			✓				
BA P 4	CO1	✓	✓					
	CO2						✓	
	CO3	✓		✓				
	CO4			✓	✓			
	CO5			✓	✓			

SEMESTER V**CC 11: INDIAN ECONOMY- I**

Unique Paper Code	Name of the Paper	Course Outcome: CO	Statement
12271501	CC11: Indian Economy - I	CO1	The students will understand the fundamental concepts of economic development and economic growth and the significance of the between them
		CO2	They will learn to compute indices of economic development
		CO3	They understand the demographic trends in India.
		CO4	The concepts of poverty, inequality and unemployment will be clear to them.
		CO5	Various social and economic issues of Indian economy and other economies will be understood.

CC 12: DEVELOPMENT ECONOMICS - I

12271502	CC 12: Development Economics - I	CO1	The students will understand the fundamentals of development economics.
		CO2	They will understand the basic growth models.
		CO3	They will understand the causes and measures of poverty, inequalities, and unemployment.
		CO4	The students will be well-equipped to critically analyze the role of political institutions in determining the economic performance of a country.
		CO5	The growth experience across different countries will be clear and help create their own models.

DSE 1: APPLIED ECONOMETRICS

	DSE 1: Applied Econometrics	CO1	Students will learn the theoretical basis for techniques widely used in empirical research and consider their application in a wide range of problems.
		CO2	They understand the estimation, specification, and diagnostic testing tools
		CO3	They understand the inference of statistical results.
		CO4	Advanced topics in regression analysis: dynamic econometric models, instrumental variable estimation, measurement errors Panel data models and estimation techniques: pooled regression, fixed and random effects models
		CO5	They learn the econometric software; publicly available data sets and software will be used to estimate models and apply the techniques learned in class.
DSE 1: INTERNATIONAL TRADE			
12277509	DSE 1: International Trade	CO1	The students gain knowledge of theoretical and empirical concepts in international trade.
		CO2	Understand the international trading regime
		CO3	Understand issues and challenges of trade policy
		CO4	They will be equipped with the main theories of international trade.
		CO5	They will solve international trade problems using the mathematical framework.
		CO6	They know how to evaluate the economic welfare effects of free trade.
DSE 2: PUBLIC ECONOMICS			
12277507	DSE 2: Public Economics	CO1	They comprehend the theoretical and empirical concepts in public economics

		CO2	They know the application of mathematical tools such as algebraic expressions to unfold issues in public economics.
		CO3	The role of government intervention and its implications on allocation, distribution, and stabilization is understood.
		CO4	Implications of public policies using a schematic, diagrammatic approach are visualized.
		CO5	The issues related to government expenditure and revenues are understood.
BA PROGRAM:			
BA P 5: ECONOMIC DEVELOPMENT AND POLICY IN INDIA – I			
62277503	BA P5: Economic Development and Policy in India - I	CO1	The students understand the sector-specific policies and their impact on shaping the economy and its economic parameters or indicators.
		CO2	The students will understand the contemporary policy debates in India and comprehend the empirical evidence available.
		CO3	They evaluate the Indian development experience.
		CO4	They understand the occupational structure in organized and unorganized sectors of economy.
		CO5	They understand the monetary and fiscal policies and financial relations between the centre and the state.

COPO MAPPING

Papers	SEMESTER V: COPO MAPPING Program Outcome: PO							
	Course Outcome : CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CC11	CO1	✓						
	CO2						✓	
	CO3			✓				
	CO4	✓						
	CO5			✓				
CC12	CO1	✓						
	CO2			✓				
	CO3	✓		✓				
	CO4				✓			
	CO5			✓			✓	
DSE 1	CO1	✓					✓	
	CO2	✓						
	CO3			✓				
	CO4	✓						
	CO5		✓					
	CO6	✓					✓	
	CO1	✓					✓	

DSE 2	CO2		✓					
	CO3			✓	✓			
	CO4				✓			
	CO5			✓				
BA P 5	CO1				✓			
	CO2			✓	✓			
	CO3						✓	
	CO4	✓						
	CO5				✓			

SEMESTER VI			
CC 13: INDIAN ECONOMY- II			
Unique Paper Code	Name of the Paper	Course Outcome: CO	Statement
12271601	CC13: Indian Economy - II	CO1	The students comprehend the sector-specific policies and their impact in shaping policies and key indicators in India
		CO2	The contemporary policy debates in India are understood and they can analyze the empirical evidence.
		CO3	They understand the role of economic policies in shaping the agriculture sector and its economic performance
		CO4	They understand the role of economic policies in shaping the manufacturing sector and its economic performance
		CO5	They understand the role of economic policies in shaping the services sector and its economic performance
CC 14: DEVELOPMENT ECONOMICS - II			

12271602	CC 14: Development Economics - II	CO1	The students understand various aspects of the Indian economy and the significance of concepts of environment and sustainable development.
		CO2	The demographic concepts are understood and the evolution of process of development.
		CO3	The students understand the issue of governance of communities and visualize the interlinkages with sustainable development.
		CO4	They understand the market structure and contracts and the problem of enforcement experienced in poor countries.
		CO5	They visualize the role of globalization and the increasing international dependence on the process of development.
DSE 4: ENVIRONMENTAL ECONOMICS			
12277608	DSE 4: Environmental Economics	CO1	They understand the main theoretical and empirical concepts in environmental economics, equip students with a thorough analytical grasp of environmental policy theory,
		CO2	The students understand the concepts of externalities to international environmental agreements and familiarise students with the main issues in environmental valuation and with the basic features of the environmental policy tools.
		CO3	The main issues in environmental valuation and the basic features of the environmental policy tools are understood.
		CO4	The application of mathematical models to understand environmental policies is undertaken.
		CO5	The students demonstrate their understanding of the usefulness and problems related to environmental valuation and

			demonstrate their critical understanding of environmental policies.
DSE 5: MONEY AND FINANCIAL MARKETS			
12277606	DSE 5: Money and Financial Markets	CO1	The students understand the current monetary policies and financial market outcomes and also critically evaluate these policies.
		CO2	They understand the functioning of the monetary and financial sectors of the economy.
		CO3	They understand the organization, structure and role of financial markets and institutions.
		CO4	They comprehend the monetary management and instruments of monetary control.
		CO5	They also know the financial and banking sector reforms initiated in India.
DSE 6: POLITICAL ECONOMY II			
12277601	DSE 6: Political Economy II	CO1	The students understand the realities of the contemporary world economy and teaches them to develop critical analysis in an integrated and broader political economy framework.
		CO2	The course helps them inculcate informed view of the world we inhabit by analyzing some of the most contemporary trends and developments from different perspectives.
		CO3	The students are exposed to interdisciplinary skills and written argumentation and prepares them for a more holistic research framework.
		CO4	The students pursuing studies in diverse related areas such as development studies, economic sociology, critical geography, gender studies, and social work as also for taking up employment in

			organizations ranging from international development agencies to development NGOs and corporate CSR.
		CO5	The students understand the practical world of work, where economics, business, civil society organizations, social institutions, and politics often cohabit in a complex interlinked structure, and employees are expected to comprehend and synthesize materials from diverse sources and perspectives.
BA PROGRAM:			
BA P 6: ECONOMIC DEVELOPMENT AND POLICY IN INDIA - II			
62277603	BA P6: Economic Development and Policy in India - I	CO1	The students understand the demographic concepts in the context of development.
		CO2	They understand the land, labour, and credit markets.
		CO3	They learn to relate the environment and sustainable development.
		CO4	The role of globalization and increased international dependence on the process of development is understood.
		CO5	They understand the economics and politics of multilateral agreements; trade, production patterns, and world inequality; financial instability in a globalized world.

COPO MAPPING

Papers	SEMESTER VI: COPO MAPPING Program Outcome: PO							
	Course Outcome : CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CC13	CO1				✓			
	CO2			✓			✓	
	CO3				✓			
	CO4				✓			
	CO5				✓			
CC14	CO1	✓		✓				
	CO2	✓						
	CO3			✓				
	CO4	✓		✓				
	CO5			✓				
DSE 4	CO1	✓					✓	
	CO2			✓	✓			
	CO3				✓			
	CO4		✓		✓			
	CO5	✓		✓				
DSE 5	CO1	✓						
	CO2			✓	✓			
	CO3			✓	✓			
	CO4	✓			✓			
	CO5				✓			
DSE 6	CO1			✓	✓			
	CO2			✓				
	CO3	✓		✓				

	CO4			✓			✓	
	CO5			✓			✓	
BA P 6	CO1	✓						
	CO2			✓				
	CO3	✓						
	CO4			✓				
	CO5	✓			✓			