



DANTULURI NARAYANA RAJU COLLEGE

(Autonomous)

BHIMAVARAM, W.G.DIST, ANDHRA PRADESH, INDIA, PIN- 534202.

(Accredited at 'B⁺⁺' level by NAAC)

(Affiliated to Adikavi Nannaya University, Rajamahendravaram)

COURSE OUTCOMES (COS) FOR PG COURSES

ECONOMICS

SEMESTER – I

Course: MICRO ECONOMIC ANALYSIS-I

CO	COURSE OUTCOMES	LEVELS
CO1	Analyze economic problems using deductive and inductive methods effectively.	L2
CO2	Apply economic models to understand equilibrium and disequilibrium systems thoroughly.	L2
CO3	Evaluate elasticity's theoretical aspects and empirical estimation accurately.	L3
CO4	Demonstrate understanding of consumer choice theories and their applications.	L2
CO5	Assess production function theories and their empirical applications effectively.	L3
CO6	Critically appraise price and output determination in various market structures.	L3

Course: ECO102 MACRO ECONOMIC ANALYSIS-I

CO	COURSE OUTCOMES	LEVELS
CO1	Define national income components; apply circular flow concept	L1
CO2	Analyze Keynesian model; evaluate short-run and long-run consumption functions.	L2
CO3	Critically examine classical and Keynesian theories on demand for money.	L3
CO4	Integrate neo-classical and Keynesian perspectives on interest .	L2
CO5	Evaluate IS-LM model; assess effectiveness of monetary, fiscal policies.	L3
CO6	Synthesize concepts; apply macroeconomic theories to real-world scenarios.	L3



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Course: ECO103.QUANTITATIVE METHOD-I (Mathematics)

CO	COURSE OUTCOMES	LEVELS
CO1	Analyze functions using differentiation; interpret real-world applications.	L3
CO2	Apply partial differentiation to solve optimization problems in ECO.	L2
CO3	Solve systems of equations using determinants and matrices; apply input-output analysis.	L2
CO4	Formulate and solve linear programming problems; analyze game strategies.	L3
CO5	Evaluate integrals for consumer and producer surplus; analyze growth rates.	L3
CO6	Demonstrate proficiency in mathematical methods for economic analysis.	L1

Course: ECO104.PUBLIC ECONOMICS-I

CO	COURSE OUTCOMES	LEVELS
CO1	Analyze role of government in economic planning and development effectively.	L3
CO2	Evaluate mechanisms for resource allocation in mixed economy critically.	L3
CO3	Apply theories of taxation and its impact on economic efficiency.	L2
CO4	Critique public expenditure policies and their implications on society.	L3
CO5	Assess methods for budgeting reforms and their effectiveness objectively.	L3
CO6	Synthesize knowledge of public choice and policy for informed decisions.	L2



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Course: ECO105.INDIAN ECONOMIC POLICY-I

CO	COURSE OUTCOMES	LEVELS
CO1	Analyze Indian economy's structure, growth, and development indicators critically.	L3
CO2	Evaluate planning strategies and policies for socio-economic development effectively.	L3
CO3	Assess fiscal federalism and reforms for efficient public finances management.	L3
CO4	Examine monetary policies' impact on money, banking, and price stability.	L3
CO5	Apply demographic insights to understand poverty, inequality, and urbanization.	L2
CO6	Synthesize grassroots organizations' role in addressing socio-economic challenges creatively.	L4

SEMESTER II

Course: ECO201.MICRO ECONOMIC ANALYSIS-II

CO	COURSE OUTCOMES	LEVELS
CO1	Analyze oligopoly models using Cournot, Bertrand, and Stackelberg strategies.	L3
CO2	Apply collusive strategies like cartels and price leadership.	L2
CO3	Evaluate price and output determination under monopsony and bilateral monopoly.	L3
CO4	Explain distribution theories including marginal productivity and factor shares.	L1
CO5	Critique welfare economics principles like Pigovian economics and Pareto optimality.	L3
CO6	Demonstrate understanding of general equilibrium concepts and graphical treatment.	L1



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Course: ECO202.MACRO ECONOMIC ANALYSIS–II

CO	COURSE OUTCOMES	LEVELS
CO1	Identify determinants of money supply using financial intermediation mechanisms.	L1
CO2	Analyze the impact of budget deficits on money supply control.	L2
CO3	Evaluate post-Keynesian demand for money theories postulating Real balance Effect.	L3
CO4	Critically assess inflation theories including Philips curve and natural rate.	L3
CO5	Examine business cycle theories and effectiveness of monetary policies.	L2
CO6	Compare international business cycles and evaluate fiscal policy implications.	L3

Course: ECO203 QUANTITATIVE METHOD-II(Statistics)

CO	COURSE OUTCOMES	LEVELS
CO1	Analyze correlations using Spearman's rank; understand least squares concept.	L2
CO2	Apply partial, multiple regression in real-world scenarios.	L3
CO3	Define deterministic, non-deterministic experiments; classical, empirical probability.	L1
CO4	Calculate conditional probability, apply Bayes' theorem practically.	L2
CO5	Interpret properties of Binomial, Poisson, Normal distributions without derivation.	L2
CO6	Formulate hypotheses, perform hypothesis tests - large and small samples.	L3



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Course: ECO204.PUBLIC ECONOMICS–II

CO	COURSE OUTCOMES	LEVELS
CO1	Recall classical view, sources, and implications of public debt.	L1
CO2	Explain objectives, interdependence, and implications of fiscal policy.	L2
CO3	Demonstrate principles of fiscal federalism & financial relations.	L3
CO4	Recognize Indian tax system, revenue sources, and budget analysis.	L1
CO5	Interpret fiscal trends, crises, and reforms in Indian finance.	L2
CO6	Analyze fiscal policies' impact on growth, distribution, and prices.	L3

Course: ECO205.INDIAN ECONOMIC POLICY-II

CO	COURSE OUTCOMES	LEVELS
CO1	Analyze agricultural sector's institutional structure and technological advancements effectively.	L4
CO2	Understand pricing mechanisms and terms of trade in agriculture sector.	L2
CO3	Apply principles of agricultural finance, marketing, and food security policies.	L3
CO4	Evaluate industrial policies, productivity, and employment generation strategies critically.	L5
CO5	Examine foreign trade structure, balance of payments, and exchange rates.	L2
CO6	Assess economic reforms' rationale, globalization impact, and governance challenges.	L2



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SEMESTER III

Course: ECO301.EVOLUTIONOFECONOMICDOCTRINES

CO	COURSE OUTCOMES	LEVEL
C01	Explain the foundational concepts of classical ECO as elucidated by Adam Smith and J.B. Say.	L2
C02	AnalyzetheoriesofvalueanddistributionproposedbyclassicaleconomistssuchasDavidRicardoandJ.S.Mill.	L4
C03	Compare and contrast the perspectives on population, value, and rent between classical economists like T.R. Malthus and contemporary thinkers.	L4
C04	Critically examine the theories of gluts and economic policy advocated by economists like List and Sismondi from the Critical School.	L5
C05	EvaluatethelabortheoryofvalueanditsimplicationsforcapitalistcompetitionaccordingtoKarlMarx'sperspective.	L5
C06	Analyze the evolution of economic thought from neo-classical to modern schools, focusing on concepts such as marginal revolution and KeynesianEconomics.	L4

Course: ECO302.INTERNATIONALTRADE

CO	COURSE OUTCOMES	LEVEL
C01	Analyze the theories of international trade: Absolute advantage, comparative advantage, and opportunity costs.	L4
C02	Understand the concept of factor endowments and the Heckscher-Ohlin theory of trade.	L2
C03	Analyze the empirical testing of the Heckscher-Ohlin Model and the implications of theLeontief paradox.	L4
C04	Understand the concepts of terms of trade and their measurement, including gains from trade and their distribution.	L2
C05	Analyze the implications of trade restrictions such as tariffs, quotas, and non-tariff barriers on free trade and protectionism.	L4
C06	Understand the theories of economic integration, including the Secular Deterioration hypothesis and forms of economic cooperation.	L2



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Course: ECO303.ECONOMICS OF EDUCATION AND HEALTH

CO	COURSE OUTCOMES	LEVEL
CO1	Understand the role of education in economic growth and differentiate between human and physical capital.	L2
CO2	Analyze the components of human capital and evaluate education as consumption or investment.	L4
CO3	Examine the demand for education, including private and social demand, and assess the costs involved.	L4
CO4	Evaluate the direct and indirect benefits of education, including private and social benefits.	L5
CO5	Analyze the effects of education on the labor market, income distribution, and poverty.	L4
CO6	Critically assess the ECO of educational planning in developing countries with a focus on India.	L5

Course: ECO304.INDUSTRIAL ECONOMICS

CO	COURSE OUTCOMES	LEVEL
CO1	Understand the concept and organization of firms, including factors influencing their optimum functioning.	L2
CO2	Analyze ownership, control, and objectives of firms, distinguishing between passive and active behaviors.	L4
CO3	Recall market structures, including sellers' concentration, product differentiation, and entry conditions.	L1
CO4	Understand theories of industrial location, such as Weber and Sargent Florence, and factors affecting location decisions.	L2
CO5	Analyze product pricing theories and evidence, distinguishing between marginal cost and full cost pricing.	L4
CO6	Understand industrial concentration, reasons for it, measures of monopoly, and possible remedial measures.	L2



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Course: ECO305.LABOURECONOMICS

CO	COURSE OUTCOMES	LEVEL
CO1	Understand the nature and characteristics of Labour Markets in developing countries like India.	L2
CO2	Analyzetherelationshipbetweendemandforlaborandsize/patternofinvestment.	L4
CO3	Recognizetypesofunemploymentandtheirmeasurement,withafocusonIndia.	L1
CO4	Evaluate the impact of rationalization, public sector, and agricultural sector on employment.	L5
CO5	Compare and contrast Classical, Neo-classical, and bargaining theories of wage determination.	L4
CO6	Examinetheroleoflaborunions,causesofindustrialdisputes,andprevention mechanisms.	L4

SEMESTER – IV

Course: ECO401.ECONOMICS OF GROWTH AND DEVELOPMENT

CO	COURSE OUTCOMES	LEVEL
CO1	Understand the concepts and metrics of economic growth and development (Per capitaIncome, PQLI, HDI, HPI).	L2
CO2	Analyze the factors influencing economic growth and development, including capital, labor, and technology.	L4
CO3	Evaluate classical and neo-classical growth models (Marxian, Schumpeter, Solow, Meade) for understanding economic development.	L5
CO4	Examine various approaches to development (Production Function, Linear Stages, Structuralist, Neo-colonial dependence, Sen's capability).	L4
CO5	Critically assess development strategies and policies (Agriculture vs Industry, Inward vs Outward Looking, Big-Push, Balanced vs Unbalanced Growth).	L5
CO6	Analyze the financing of development, including the choice between domestic savings and foreign capital, and the role of good governance.	L4



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Course: ECO402.INTERNATIONAL FINANCE

CO	COURSE OUTCOMES	LEVEL
CO1	Understand the meaning and components of balance of payments and its measurement methods.	L2
CO2	Analyze the equilibrium and disequilibrium in balance of payments, identifying types and causes.	L4
CO3	Remember and explain theories of exchange rate determination, including PPP, monetary, and portfolio balance approaches.	L1
CO4	Analyze the process of adjustment under different exchange rate systems: gold standard, fixed, and flexible.	L4
CO5	Understand international capital movements and the transfer problem, focusing on short- term movements and crises.	L1
CO6	Analyze the historical development of the international monetary system, including the gold standard, Bretton-Woods, and the role of IMF.	L4

Course: ECO403.ENVIRONMENTAL ECONOMICS

CO	COURSE OUTCOMES	LEVEL
CO1	Understand the meaning, scope, and theories of demography, including Malthusian and Optimum Theory.	L2
CO2	Analyze the demographic transition theory and its implications for population and development.	L4
CO3	Identify population trends, growth rates, and age-sex structures globally and in India.	L1
CO4	Analyze the economic and social implications of age-sex structures and population aging.	L4
CO5	Evaluate fertility rates, trends, and factors affecting fertility in developed and developing countries.	L4
CO6	Examine mortality rates, patterns, and factors influencing mortality, including recent trends and life table methods.	L4



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Course: ECO404 DEMOGRAPHY

CO	COURSE OUTCOMES	LEVEL
C01	Define the scope of demography and identify population data sources in India and globally.	L1
C02	Examine population theories including Malthusian and Optimum Theory, and analyze demographic transition theory.	L4
C03	Evaluate population trends, growth rates, and distribution globally, and interpret age and sex structure patterns.	L4
C04	Analyze the demographic effects of age and sex structures on economic and social aspects, using age pyramids.	L4
C05	Assess fertility rates, trends, and factors affecting fertility in developed and developing countries.	L5
C06	Evaluate mortality rates, including infant mortality and age-specific mortality, and analyze factors influencing mortality trends.	L5

Course: ECO405 REGIONAL ECONOMICS

CO	COURSE OUTCOMES	LEVEL
C01	Define regional economic areas and analyze spatial organization using Thunen, Weber, and Losch theories.	L1
C02	Apply equity and efficiency principles to analyze regional growth and development using Export Base and Growth Pole theories.	L3
C03	Identify determinants of regional development and analyze convergence theory's implications on backward regions.	L1
C04	Compare historical Indian development models like Metropolitan and Tribal development for national and regional planning.	L4
C05	Analyze the status of regional development in India through the lens of economic theories and practices.	L4
C06	Evaluate the effectiveness of regional planning strategies in developed and developing economies for sustainable development.	L5