

DEPARTMENT OF ECONOMICS
Semester wise Course outcomes
Honours

Semester I		
Sr. No.	Name of the Course	Outcomes
1	C1T: Introductory Microeconomics	<ul style="list-style-type: none"> ➤ Exploring the subject matter of Economics ➤ Exploring the subject matter of Economics ➤ Supply and Demand: How Markets Work, Markets and Welfare ➤ The Households ➤ The Firm and Perfect Market Structure ➤ Imperfect Market Structure ➤ Input Markets
2.	C2T: : Mathematical Methods in Economics-I	<ul style="list-style-type: none"> ➤ Preliminaries ➤ Functions of one real variable ➤ Single variable optimization ➤ Elementary Probability Theory ➤ Integration of functions ➤
3	GE- Introductory Microeconomics.	<ul style="list-style-type: none"> ➤ Exploring the subject matter of Economics ➤ Supply and Demand: How Markets Work, Markets and Welfare. ➤ The Households. ➤ The Firm and Perfect Market Structure. ➤ output decisions; costs and output in the long run. ➤ Imperfect Market Structure. ➤ Input Markets.
Semester II		
1	CC3T -Introductory Macroeconomics	<ul style="list-style-type: none"> ➤ National Income Accounting, unemployment, and open economy issues.

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		<ul style="list-style-type: none">➤ Money and Inflation.➤ The Closed Economy in the Short Run.
2	C4 T - : Mathematical Methods in Economics-II	<ul style="list-style-type: none">➤ Matrix Algebra.➤ Function of several variables.➤ Multi-variable optimization➤ Differential Equations.
3	GE2 T - Introductory Macroeconomics	<ul style="list-style-type: none">➤ Introduction to Macroeconomics and National Income Accounting➤ Functions of money; quantity theory of money.➤ Inflation and its social costs; hyperinflation.➤ The Closed Economy in the Short Run, Classical and Keynesian systems.
Semester-III		
1	C5T: Intermediate Microeconomics – I	<ul style="list-style-type: none">➤ Consumer Theory➤ Production and Costs➤ Competitive Equilibrium➤ Input market in perfect competition.
2	C6T: Intermediate Macroeconomics – I	<ul style="list-style-type: none">➤ Income Determination in the short-run.➤ Aggregate Demand and Aggregate Supply.➤ Inflation, Unemployment and Expectations.
3	C7T Statistical Methods for Economics	<ul style="list-style-type: none">➤ Descriptive Statistics.➤ Univariate Probability Distribution➤ Jointly Distributed Random Variables.➤ Sampling.➤ Index Number➤ Estimation.

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		Systems and Applications
4	GE3T: Money and Banking	<ul style="list-style-type: none"> ➤ Concept, functions, measurement; theories of money supply determination. ➤ Financial Institutions, Markets, Instruments and Financial Innovations. ➤ Interest Rates. ➤ Banking System.
5	SEC1T – Data Analysis.	<ul style="list-style-type: none"> ➤ Sources of data. Population census versus sample surveys. Random sampling. Frequency distribution and summary Statistics. ➤ Analysis of Indian Data: Economic Survey, RBI Bulletin on currency and finance, ASI DATA, Foreign Trade Statistics, NSS Consumer surveys.
Semester-IV		
1	CC-8: Intermediate Microeconomics – II	<ul style="list-style-type: none"> ➤ General Equilibrium, Efficiency, and Welfare. ➤ Market Structure and Game Theory. ➤ Input Market under Imperfect Competition.
2	CC-9: Intermediate Macroeconomics – II	<ul style="list-style-type: none"> ➤ Classical System: Say’s law and quantity theory; Consumption: Keynesian consumption function; life-cycle and permanent income hypotheses, Dusenberry’s relative income hypothesis, Investment: MEC and MEI ➤ Government debt and Ricardian equivalence. ➤ Harrod- Domar model and Solow one sector growth models; golden rule; dynamic efficiency, technological progress and elements of endogenous growth theory.

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3	CC-10: Introductory Econometrics	<ul style="list-style-type: none"> ➤ Definition and Scope of Econometrics; Importance of Error Term. ➤ Sampling Distributions- χ^2, t- and F-distributions; Type I and Type II errors; power of a test. ➤ The model and the role of disturbance term ; Estimation of model by method of ordinary least squares (OLS), intervals; scaling and units of measurement; prediction and forecasting, Problems in OLS Method ➤ Multiple Classical Linear Regression Model ➤ Problems of Multi co linearity, Heteroscedasticity, and Auto correlation; Consequences of applying OLS under Heteroscedasticity and Autocorrelation and their detection– Durbin- Watson Test, Glesjer Test, Goldfeld Quandt Test. ➤ Omission of a relevant variable; inclusion of an irrelevant variable; tests of specification errors.
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4	GE4T: Electricity and Magnetism GE4P: Electricity and Magnetism Lab	<ul style="list-style-type: none"> ➤ This course aims to enlighten the students on the Electric Field and Electric Potential, Dielectric Properties of Matter, Magnetic Field, Magnetic Properties of Matter, Electromagnetic Induction, Electrical Circuits, Network theorems. ➤ Student's skills about performing experiments on series RC Circuit, Potentiometer, Carey Foster's Bridge, Series LCR circuit.
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	GE4T: Digital, Analog Circuits and Instrumentation GE4P: Digital, Analog Circuits and Instruments Lab	<ul style="list-style-type: none">➤ Students learn about Digital Circuits, Semiconductor Devices and Amplifiers, Operational Amplifiers, Instrumentation etc.➤ Students perform experiments with the abovementioned devices.
5	SEC2T: Computational Physics SEC2P: Practical	<ul style="list-style-type: none">➤ To develop knowledge about Scientific Programming, Control Statements, Scientific word processing: Introduction to LaTeX, Visualization etc.➤ To motivate students to perform hands on exercise with Fortran, Gnuplot and Python.
	SEC2T: Basic of Measurement SEC2P: Practical	<ul style="list-style-type: none">➤ This course enables the students to gain knowledge about Basic of Measurement, Electronic Voltmeter, Cathode Ray Oscilloscope, Signal Generators and Analysis Instruments, Impedance Bridges & Q-Meters, Digital Instruments, Digital Multimeter etc.➤ Students perform experiments with the abovementioned devices.
	SEC2T: Renewable Energy and Energy Harvesting SEC2P: Practical	<ul style="list-style-type: none">➤ To develop knowledge about Fossil fuels and Alternate Sources of energy, Solar energy, Wind Energy harvesting, Ocean Energy, Geothermal Energy, Hydro Energy, Piezoelectric Energy harvesting, Electromagnetic Energy Harvesting etc.➤ To demonstrate and perform experiments with solar energy, wind energy, piezoelectric materials etc.

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Semester-V		
1	CC-11: International Economics	<ul style="list-style-type: none">➤ Basics of trade theory.➤ Comparative versus Absolute Advantage, One-factor economy, production possibility frontier, relative demand and relative supply, terms of trade; Trade in Ricardian world, Determination of intermediate ToT, Complete specialization & GFT➤ Factor Endowment & Trade (Heckscher-Ohlin-Samuelson Model)➤ Partial Equilibrium Analysis: Tariff - cost-benefit, Quota, Quota- Tariff equivalence & non-equivalence, effects of tariff, quota, subsidy and voluntary export restraint. Balance of Payments & Exchange Rate. Marshall-Lerner Condition, J-Curve effect.
2	CC-12: Public Economics	<ul style="list-style-type: none">➤ Definition and Scope of Public Economics; Externalities, Market Failure and Government Intervention; Coase Theorem; Public Expenditure to finance Development.➤ Overview of Public Good; Characteristics of Pure Public Good; Private Provision and Public Provision of Public Goods; Lindahl Equilibrium, Voting Equilibrium resonance, Ferroelectric Crystal etc.➤ Classification of Taxes; Canons of Taxation; Benefit Principle; Equal Sacrifice Principle; Ability to Pay Principle; Incidence and Burden of Taxes; Effects of taxation on income distribution, work efforts, and on savings; the Laffer curve; Optimal Taxation➤ Meaning and Classification of Public Expenditure; government budget and its types; government expenditure and tax multipliers, balanced budget multiplier; Fiscal Federalism in India; Meaning of Public Debt

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3	SE-1: Economics of Health and Education	<ul style="list-style-type: none">➤ Importance in poverty alleviation; health and education outcomes and their relationship with macroeconomic performance.➤ Demand for health; uncertainty and health insurance market; alternative insurance mechanisms; market failure and rationale for public intervention; equity and inequality.
4		<ul style="list-style-type: none">➤ Costing, cost effectiveness and cost-benefit analysis; burden of disease.➤ Health outcomes; health systems; health financing.➤ Rate of return to education: private and social; quality of education; signaling or human capital; theories of discrimination; gender and caste discrimination in India.➤ Literacy rates, school participation, school quality measures.
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	DSE-4: Project Work	➤ Know about Research procedure.

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Semester wise Course outcomes General

Semester I		
Sr. No.	Name of the Course	Outcomes
1.	DSC-1A: Macro Economics	<ul style="list-style-type: none">➤ Exploring the subject matter of Economics➤ Exploring the subject matter of Economics➤ Supply and Demand: How Markets Work, Markets and Welfare➤ The Households➤ The Firm and Perfect Market Structure➤ Imperfect Market Structure➤ Input Markets.
Semester II		
1	DSC-1B – Macro Economics	<ul style="list-style-type: none">➤ National Income Accounting, unemployment, and open economy issues.➤ Money and Inflation.➤ The Closed Economy in the Short Run.
Semester-III		
1	DSC-1C: Development Economics	<ul style="list-style-type: none">➤ Meaning of Economic Development, Income Approach and Capability Approach, construction and interpretation of HDI.➤ Economic Growth, An overview and policy implications of one sector growth models- Harrod- Domar, and Solow.➤ Poverty and Inequality, Inequality axioms; a comparison of commonly used inequality measures; Gender Inequality, connections between inequality and development; poverty measurement, HPI; poverty traps and path dependence of growth processes.➤ Political Institutions and the State, Definition of institutions, Evolution of Political and Economic Institutions; The determinants of democracy; alternative institutional trajectories and their relationship with economic performance; within-country differences in the functioning of state institutions; state

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General

		ownership and regulation.
2	SEC1T – Indian Financial System	<ul style="list-style-type: none">➤ Introduction to money and Banking Money Concept, functions, measurement; theories of money supply determination.➤ Financial Institutions, Markets, Instruments and Financial Innovations➤ Determination; sources of interest rate differentials; theories of term structure of interest rates; interest rates in India.➤ Banking System➤ Central Banking and Monetary Policy Functions, balance sheet; goals, targets, indicators and instruments of monetary control; monetary management in an open economy; current monetary policy of India.

Semester-IV

1	DSC-1D- Features of Indian Economy	<ul style="list-style-type: none">➤ Economic Development since Independence, Major features of the economy at independence; Planning: Evolution of India's development goals and strategies - Structural constraints and Indian development strategy: Debates between Growth and distribution, Public sector vs. Private sector, Consumer goods vs. Capital goods.
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General

		<ul style="list-style-type: none">➤ Population and Human Development Demographic trends and issues; education; health and malnutrition.➤ Growth and Distribution Trends and policies in poverty including Sen's Entitlement Analysis; inequality and unemployment.➤ Economic Reforms in India Monetary, Fiscal, and Trade Policy Reforms.
2	SEC2T: Financial Economics	<ul style="list-style-type: none">➤ Evolution of limited liability companies; Time value of money and concepts of security markets➤ Investment Theory and Portfolio Analysis➤ Introduction to derivatives and options; forward and futures contracts; options; other derivatives; forward and future prices; stock index futures; interest rate futures.➤ Corporate Finance Patterns of corporate financing: common stock; debt.
Semester-V		

2	SEC3T: Research Methodology	<ul style="list-style-type: none">➤ Understanding the nature of Research. Formulation of Research Topics, Review of Literature.➤ Approaches to Research and Research Strategy. Research Ethics.➤ Using Secondary data Using Primary data- collecting data through observations/ interviews/ questionnaire.
Semester-VI		
1	DSE-2: Project Work	

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General

2	SEC4T: Insurance Market and its Products	<ul style="list-style-type: none">➤ Meaning Insurance Market and its Products, functions, classification, IRDA Act.➤ Basic Principles of Insurance, Claim Insurance Management ,Trends in Claim.
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