

# SDGI GLOBAL UNIVERSITY (SGU)

(Established under the Uttar Pradesh Act No. 12 of 2019 & Recognized Under Section 2(f) of UGC Act, 1956, 2019)  
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## Syllabus for Ph.D Entrance - Economics

**Micro Economics** Theory of Consumer Behavior., Decision-making under uncertainty attitude towards risk. Factor Pricing. Theory of Production and Costs. General Equilibrium Analysis.

**Macro Economics** National Income: Concepts and Measurement, Consumption Function, Determination of output and employment, Investment Function, Inflation and Phillips Curve Analysis.

**Statistics & Econometrics** Probability Theory, Sampling methods & Sampling Distribution, Linear Regression Models and their properties, Statistical Inferences, Hypothesis testing, Descriptive Statistics, Differential Calculus and its Applications, Static Optimization Problems and their applications.

**Mathematical Economics:** Difference and Differential equations with applications, Sets, functions, and continuity, sequence, series, Linear Algebra–Matrices, Vector Spaces

**International Economics--** International Trade: Basic concepts and analytical tools, Theories of International Trade  
, Trade Policy Issues; GATT, WTO, and Regional Trade Blocks, International Trade under imperfect competition, Exchange Rate: Concepts and Theories.

**Public Economics-** Market Failure and Remedial Measures, Regulation of Market, Public Budget and Budget Multiplier, Public Debt and its management, Fiscal Policy and its implications.

**Money and Banking-** Components of Money Supply, Capital Market and its Regulation, Commercial Banking, Instruments and Working of Monetary Policy, Non-banking Financial Institutions.

**Growth and Development Economics-** Economic Growth and Economic Development, Theories of Economic Development, Indicators of Economic Development, Models of Economic Growth, Technical progress

**Environmental Economics and Demography-** Concepts and Measures: Fertility, Morbidity, Mortality, Age Structure, Demographic Dividend, Cost-Benefit Analysis, and Compensation Criteria, Valuation of Environmental Goods, Market Failure.

**Indian Economy-** Economic Growth in India: Pattern and Structure, Indian Finance Commissions and Centre-State Financial Relations; FRBM, Reforms in Land, Labor, and Capital Markets, Poverty, Inequality & Unemployment, Infrastructure Development