

LORETO COLLEGE
TIME PLAN 2025
(August-December)

Paper: SEC-I
Name: Introductory Statistics & Application (1)

Name of the teacher: Dr. Mainak Bhattacharjee

Initials: MB

Teaching Objectives:

- To impart knowledge in basic statistics and its applications in Economics
- To help students learn the basic rubrics of analyzing bi-variate data

1st Semester Topic-wise Time Plan

| <i>Topics</i> | <i>Hours allotted</i> | <i>Topics (as per curriculum)</i> | <i>Teaching method</i> | <i>Learning outcome (output)</i> | <i>Assessment</i> |
|----------------------|----------------------------------|--|--|---|--------------------------|
| 1 | 10 | Bivariate Analysis : Bivariate data – scatter diagram, Simple correlation coefficient–computation, limitations, and properties. Simple linear regression– Least square technique– Properties | Lecture demonstration, Problem solving, case study | To comprehend basic theories of Bivariate Analysis- Correlation and to gain ideas of Regression and its properties. | Tutorial, Assignments. |

LORETO COLLEGE

TIME PLAN 2025 (AUGUST- DECEMBER)

Paper: MN-1

Name: Microeconomics -1

Teacher's Name: Dr. Mainak Bhattacharjee

Initial: MB

Teaching Objectives:

- 1.To introduce students to the fundamental concepts and scope of Economics, including key ideas such as scarcity, choice and economic decision-making.
2. To help students understand the principles of microeconomics, including individual decision-making and economic interactions and how these principles apply to real-world scenarios.
3. To introduce the students with the theoretical concepts and ideas on consumer behavior in line with the classical and neo-classical traditions.
4. To impart among the students the standard micro-foundation of market demand and its interaction with market price.

1stSemesterTopic-wise Time Plan

| Topic | Hours Allotted | Topic (as per curriculum) | Teaching Method | Learning Outcome | Assessment |
|--|-----------------------|--|---|--|------------------------|
| Unit-1: Exploring the subject matter of Economics | 5 | Scope and Method of Economics: Wants, Scarcity, Competing Ends and Choice | Lecture demonstration, Interaction, case studies, problem-solving, flipped-classroom sessions | Students will gain a solid understanding of the fundamental concepts of Economics, including the | Tutorial & Assignments |

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| | | <p>: Basic Economics Questions, Households and firms, Demand and Supply, Basic concepts of Utility, basic concepts of production- Production Principles Microeconomics –principles</p> | | <p>definitions of wants, scarcity and choice, as well as the roles of households and firms in the economy, with insights on the how the factors creating possibility of international trade and its benefits for economic growth of a country</p> | |
| Unit-2: Utility Theory | 15 | <ol style="list-style-type: none"> 1. Cardinal Theory Utility 2. Ordinal Theory Utility | <p>Lecture demonstration, Interaction, case studies, problem-solving, flipped-classroom sessions</p> | <p>Understanding various concepts on Utility as key to explaining consumer behavior</p> | <p>Tutorial & Assignments,</p> |

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| Unit -4: Market & Adjustments | | <p>The Evolution of Market Economies, Price System and the Invisible Hand</p> <p>The Decision-takers - households, firms and government</p> <p>The Concepts of Markets- individual market, separation of individual markets, interlinking of individual markets.</p> | <p>Lecture demonstration , Interaction, case studies, problem-solving, flipped-classroom sessions</p> | <p>Students will explore how market economies evolve and how the price system and the "invisible hand" guide economic activity.</p> <p>Understanding the roles of households, firms, and central authorities in shaping market outcomes, with reference to the overarching classes of goods, namely, private goods, public goods, natural monopoly and common property</p> | Tutorial & Assignments, |
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LORETO COLLEGE
TIME PLAN
August– December 2025
1st Semester Topic-wise Time Plan
Paper: IDC -1
Name: Elementary Economics

Name of the Teacher: Dr. Mainak Bhattacharjee

Initials: MB

Teaching Objective:

- To introduce the students with rudimentary concepts of concept of economic growth and development , along with different approaches to measuring them
- To investigate the historical context and motivations behind the economic reforms in India, particularly in the trade, industry, and financial sectors.
- To assess the short-term and long-term impacts of trade, industry, and financial sector reforms on India's economic growth and development.

1st Semester Topic-wise Time Plan

| <i>Topics</i> | <i>Hours allotted</i> | <i>Topics (as per curriculum)</i> | <i>Teaching method</i> | <i>Learning outcome (output)</i> | <i>Assessment</i> |
|----------------|-----------------------|---|---|---|-----------------------|
| Unit -3 | 7 | Elementary Concepts of Economic Growth and Development : 1. Growth Vs. Development 2. Development Indicators, HDI, GDI, MPI& Measures of Inequality | Lecture demonstration, interactive sessions, case studies | Understanding of dynamics of an economy from the perspectives of growth and development | Assessment Tutorials, |

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| Unit-4 | 5 | Elementary Concepts of Indian Economics: Economic Reforms in India— Background, Basic steps of trade, industry and financial sector reforms NITI AYOOG- Structure and objectives | Lecture demonstration, interactive sessions, case studies | To learn about India's economic reforms, including trade, industry, and financial sector changes, and understand the role and objectives of NITI Aayog in shaping economic policies for India's development. | Continuous Internal Assessment, Tutorials, Assignments, Internal Examinations |
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LORETO COLLEGE
TIME PLAN 2025
August 2025-January 2026

SKILL ENHANCEMENT COURSE: INTRODUCTORY STATISTICS AND APPLICATIONS (I) (MAJOR)
PAPER: ECON-H-SEC1-1-Th

Name of the teacher: Dr. Rupa Ghosh

Initials: RG

Teaching Objectives:

- To impart comprehensive knowledge about descriptive statistics and its use in Economics.
- To guide students to analyse and solve economic problems independently with logical reasoning using statistical tools
- To prepare students for studying higher Economics using statistics. .

1st Semester Topic-wise Time Plan- Honours-SEC-I

| Topics | Hours allotted | Topics (as per curriculum) | Teaching method | Learning outcome (output) | Assessment |
|---------------|-----------------------|---|--|---|--|
| 1 | 10 | Unit 1: Introduction and Overview Subject matter of Statistics Basic Steps in Statistical Methods – Collection, Presentation and Analysis of Data Collection of Data – Primary and Secondary sources – their comparison, methods of Collection of data Concepts – Variable and Attribute (categorical variable) – Discrete, Continuous and Categorical Variables, Complete Enumeration Survey and Sample Survey, Population and Sample Presentation of data – Textual, Tabular, Diagrammatic Frequency Distribution – Construction of Ogives, Column diagram, Frequency Polygon, Histogram, Frequency Curve Analysis of Data – Univariate and Bivariate Analysis (Concepts only) | Inquiry based learning, collaborative learning, use of real life examples, board work and use of ICT | Understand the subject matter of statistics. Use tools of data representation to tabulate, represent and analyse different types of data. Differentiate between univariate and bivariate nature of data. | Continuous Internal Assessment, Tutorial Examinations and University Examinations. |
| 2 | 10 | 2.1 Central Tendency: Measures of central tendency for ungrouped and grouped data – arithmetic mean, geometric mean, harmonic mean, median and mode–Composite measures; Comparison of different measures, Quartiles, Deciles and Percentiles | Problem based learning, board work and use of ICT | Comprehend basic theoretical principles of descriptive Statistics. Apply concepts of descriptive statistics to solve various Statistical and | Continuous Internal Assessment, Internal Examinations and University Examinations. |

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| | | <p>Index numbers – Price Index Numbers – problems of construction, methods of construction – aggregative (simple and weighted) and averaging price-relatives (simple and weighted), Laspayre’s, Paasche’s index numbers, Fisher’s Index Number, Quantity Index Numbers, Tests of Index Numbers, Fixed Base and Chain Base, Wholesale price index and cost of living index, Uses of index numbers</p> | | <p>Economics problems Define index numbers and explain their purpose in measuring relative changes in economic and social variables over time. Interpret common index numbers like Consumer Price Index (CPI), Wholesale Price Index (WPI), and understand their role in economic analysis. Use different methods (e.g., Laspeyres, Paasche, Fisher) to calculate simple and weighted index numbers from raw data.</p> | |
| 3 | 10 | <p>Dispersion: Absolute measures of dispersion for ungrouped and grouped data – range, quartile deviation, mean deviation, standard deviation –Composite SD; Comparison of different measures Relative measures - coefficient of variation, coefficient of mean deviation, coefficient of quartile deviation</p> <p>Distribution of income and wealth – Lorenz curve, Gini Coefficient, Theil’s Index</p> | <p>Problem based learning, board work and use of ICT</p> | <p>Understand the meaning and significance of dispersion as a measure of the variability or spread of a data set.</p> <p>Recognize and differentiate between various measures such as Range, Quartile Deviation, Mean Deviation, and Standard Deviation.</p> <p>Accurately compute different types of dispersion for ungrouped and grouped data using appropriate formulas.</p> <p>Interpret the degree of variability in datasets and explain what the dispersion tells us about the consistency or reliability of data.</p> <p>Draw and interpret a Lorenz Curve to represent income or</p> | <p>Continuous Internal Assessment, Tutorial Examinations and University Examinations..</p> |

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| | | | | <p>wealth distribution visually.</p> <p>Explain how the curve illustrates perfect equality and inequality.</p> <p>Calculate and Interpret Gini Coefficient</p> <p>Define Theil's Index as an entropy-based measure of inequality.</p> <p>Compare Theil and Gini measures in evaluating inequality.</p> | |
| 4 | 5 | <p>Skewness and Kurtosis: Moments – central and non-central – computation, conversion</p> <p>Measures of skewness – Bowley's measure, coefficient of quartile deviation, measure based on moments. Measure of kurtosis – measure based on moments</p> | <p>Problem based learning, board work and use of ICT</p> | <p>Define skewness and explain its importance in understanding the asymmetry of a data distribution.</p> <p>Identify and distinguish between positive skew, negative skew, and symmetrical distributions using graphical and numerical methods.</p> <p>Compute Karl Pearson's and Bowley's coefficients of skewness using appropriate formulas for both grouped and ungrouped data.</p> <p>Interpret skewness coefficients to make inferences about the shape and nature of the distribution.</p> | <p>Continuous Internal Assessment, Tutorial Examinations and University Examinations.</p> |
| Tutorial contact hours: 15 [for solving problems, presenting a paper through PPT or board work, preparation of term paper] | | | | | |

TIME PLAN 2025 (August – December 2025)

Name of the teacher: Dr. Suranjana Mitra

Initials: SM

Teaching Objectives:

- To help students understand the concepts of demand and supply
- To help them distinguish between movement and shift of demand and supply curves
- To help them develop ideas about the market and determination of market price in a competitive set up
- To help them gain knowledge about importance of different types of elasticity
- To help them apply the theoretical knowledge of elasticity to practical situations

1st Semester Topic-wise Time Plan (Major) ECON-H-CC1-1-Th/ECON-H-CC1-3-Th

(Microeconomics - I)

| <i>Topics</i> | <i>Hours allotted</i> | <i>Topics (as per curriculum)</i> | <i>Teaching method</i> | <i>Learning outcome (output)</i> | <i>Assessment</i> |
|-------------------------------------|-----------------------|---|---|---|---|
| Demand and Supply: How Markets Work | 8 | Elementary Theory of Demand: Factors influencing household demand and market demand, the demand curve, movement along and shift of the demand curve Elementary Theory of Supply: Factors influencing supply, supply curve, movement along and shift of supply curve Elementary theory of market price: Determination of equilibrium price in a competitive market | Lecture and discussion | Understand the concepts of demand and supply and gain insight about determination of market price Apply the principles of supply and demand to analyze real-world market scenarios | Tutorial and Assignment and Classroom discussions |
| Market Sensitivity and Elasticity | 8 | Importance of Elasticity in choice decisions, Method of calculation-Arc elasticity, point elasticity- definition Demand and supply elasticities-types of elasticities and factors | Lecture and discussion, inductive-deductive and demonstration | Define and differentiate between the key types of elasticity Apply the principles of elasticity to predict the | Tutorial and Assignment |

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| | | <p>affecting elasticity, demand elasticity Revenue, long run and short-run elasticities of demand and supply Income and cross-price elasticity Applications: Case studies- OPEC and oil price</p> | | <p>impact of market changes</p> | |
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TIME PLAN 2025 (August – December 2025)

Name of the teacher: Dr. Suranjana Mitra

Initials: SM

Teaching Objectives:

- To help students define and differentiate between key national income accounting concepts and explain how the circular flow of income represents the basic relationship between households and firms
- To help them to explain the functions of money and distinguish between the roles and functions of a central bank and a commercial bank
- To help them understand the concepts of inflation and anti-inflationary measures
- To gain insight about the objectives and instruments of fiscal and monetary policies
- To gain knowledge about the fundamental roles of the IMF, World Bank, and WTO and have a conceptual understanding of exchange rates and Purchasing Power Parity (PPP)

1st Semester Topic-wise Time Plan (IDC) ECON-H-IDC-1/2/3-Th (Elementary Economics)

| <i>Topics</i> | <i>Hours allotted</i> | <i>Topics (as per curriculum)</i> | <i>Teaching method</i> | <i>Learning outcome (output)</i> | <i>Assessment</i> |
|-----------------------------------|-----------------------|--|---------------------------------------|--|-------------------------|
| Elementary Macroeconomic Concepts | 10 | National income accounting-circular flow-concepts of GNP, GDP, NNP, NDP, National income Money and Banking-different measures of money supply, difference between central and commercial banks and their functions Inflation-definition, types and anti-inflationary measures, Fiscal and Monetary Policy-Objectives and instruments International trade and contemporary issues-Balance of Payments-Concepts of autonomous and | Lecture, discussion and demonstration | Understand and gain insight about some basic macroeconomic concepts Analyze Macroeconomic Performance Evaluate economic policy instruments Interpret global economic interactions | Tutorial and Assignment |

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| | | accommodating transactions, functions of IMF, World Bank, WTO Exchange Rates – PPP (Concepts only) | | | |
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TIME PLAN 2025 (August – December 2025)

Name of the teacher: Dr. Suranjana Mitra

Initials: SM

Teaching Objectives:

- To help students understand the concepts of demand and supply
- To help them distinguish between movement and shift of demand and supply curves
- To help them develop ideas about the market and determination of market price in a competitive set up and analyse market changes
- To help them gain knowledge about importance of different types of elasticity in choice-decisions
- To help them apply the theoretical knowledge of elasticity to practical situations

1st Semester Topic-wise Time Plan (Minor)

ECON-H-CC1-1-Th

(Microeconomics - I)

| <i>Topics</i> | <i>Hours allotted</i> | <i>Topics (as per curriculum)</i> | <i>Teaching method</i> | <i>Learning outcome (output)</i> | <i>Assessment</i> |
|-------------------------------------|-----------------------|---|------------------------|--|---|
| Demand and Supply: How Markets Work | 8 | <p>Elementary Theory of Demand: Factors influencing household demand and market demand, the demand curve, movement along and shift of the demand curve</p> <p>Elementary Theory of Supply: Factors influencing supply, supply curve, movement along and shift</p> | Lecture and discussion | <p>Understand the concepts of demand and supply and gain insight about determination of market price</p> <p>Apply the principles of supply and demand to analyze real-</p> | Tutorial and Assignment and Classroom discussions |

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| | | <p>of supply curve</p> <p>Elementary theory of market price:</p> <p>Determination of equilibrium price in a competitive market</p> | | world market scenarios | |
| Market Sensitivity and Elasticity | 8 | <p>Importance of Elasticity in choice decisions,</p> <p>Method of calculation-Arc elasticity, point elasticity-definition</p> <p>Demand and supply elasticities-types of elasticities and factors affecting elasticity, demand elasticity</p> <p>Revenue, long run and short-run elasticities of demand and supply</p> <p>Income and cross-price elasticity</p> <p>Applications: Case studies-OPEC and oil price</p> | Lecture and discussion, inductive-deductive and demonstration | Define and differentiate between the key types of elasticity Apply the principles of elasticity to predict the impact of market changes | Tutorial and Assignment |

LORETO COLLEGE, KOLKATA

1st Semester Topic-wise Time Plan AUGUST 2025- JANUARY 2026

Paper: ECON-H-CC1-1-Th Microeconomics (I) [DSCC-1]

Name of the teacher: Nilavo Roy
Initials: NR

Teaching Objective:

- To help students understand the elementary concepts and tools in microeconomics
- To help them discern the principles underlying consumer behaviour.

| <i>Topics</i> | <i>Hours allotted</i> | <i>Topics (as per curriculum)</i> | <i>Teaching method</i> | <i>Learning outcome (output)</i> | <i>Assessment</i> |
|---------------|-----------------------|--|---|---|---------------------------|
| Unit 1 | 5 hours | 1.1 Scope and Method of Economics: Wants, Scarcity, Competing Ends and Choice; Thinking like an economist: Basic Economics Questions, Households and firms, Demand and Supply, Basic concepts of Utility, basic concepts of production 1.2 Principles of Microeconomics – principles of individual decision making and principles of economic interactions 1.3 Interdependence and the Gains from Trade- production possibilities frontier and increasing costs, absolute and comparative advantage, comparative advantage and gains from trade. | a)Interactive Lecture b)Demonstration c)Problem solving | (a) Understanding of the subject matter of economics (b) Basic ideas about the range of problems that microeconomics addresses, and the kinds of answers it can provide. | Tutorials and Assignments |
| Unit 2 | 20 hours | 2.1 Cardinal and Ordinal Approach 2.2 Utility in Cardinal Approach- Utility and choice, Total Utility and Marginal Utility, Utility and choice-maximization, marginal utility, theory of demand 2.3 Ordinal utility: Assumptions on preference ordering, Indifference curve (IC), Marginal rate of substitution and convexity of IC, Budget constraint, Consumers 'equilibrium-interior and corner | a)Interactive Lecture b)Demonstration c)Problem solving | (a)Acquaintance with the approaches to utility theory (b)Understanding of principles required for analysing consumer behaviour | Tutorials and Assignments |

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| Unit 4 | 4 hours | <p>4.1 The Evolution of Market Economies, Price System and the Invisible Hand</p> <p>4.2 The Decision-takers - households, firms and central authorities</p> | <p>a)Interactive Lecture</p> <p>b)Demonstration</p> <p>c)Problem solving</p> | <p>(a)Knowledge of different economic systems</p> <p>(b) Introduction to different elements of markets</p> <p>(c) Familiarity with different types of goods</p> | Tutorials and Assignments |
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LORETO COLLEGE, KOLKATA

1st Semester Topic-wise Time Plan AUGUST 2025- JANUARY 2026

Paper: ECON-H-IDC-1-Th Elementary Economics

Name of the teacher: Nilavo Roy
Initials: NR

Teaching Objective:

- To help students understand the elementary concepts and tools in microeconomics
- To introduce them to the different indicators of progress of a country.

| <i>Topics</i> | <i>Hours allotted</i> | <i>Topics (as per curriculum)</i> | <i>Teaching method</i> | <i>Learning outcome (output)</i> | <i>Assessment</i> |
|---------------|-----------------------|---|---|--|------------------------------|
| Unit 1 | 10 hours | 1.1 Theory of Demand and Supply-- Determinants, Law of demand and supply, Demand and supply curves 1.2 Elasticity of Demand and Supply--Concepts of Price and income elasticity and implications 1.3 Theory of Production and Cost— Production function--Concepts of TP, AP, MP, short run-long run and different cost curves-social and external costs 1.4 Market--Different forms-TR, AR and MR-- Pricing and Output Decisions under Perfect competition and monopoly--features and equilibrium (diagrammatic representation only) | a)Interactive Lecture b)Demonstration c)Problem solving | (a) Understanding of the elementary tools for economic analysis (b) Introduction to ideas about the basic components of market. | Tutorials and Assignments |