

WEST BENGAL STATE UNIVERSITY

BARASAT, NORTH 24 PARGANAS, WEST BENGAL

DEPARTMENT OF ECONOMICS



SYLLABUS

for

**3-Year Multidisciplinary Undergraduate (UG)
Programme**

in

ECONOMICS

**Under Curriculum and Credit Framework for
Undergraduate Programmes (CCFUP) based on
National Education Policy (NEP), 2020**

(w.e.f Academic Session 2023-24)

Approved in the BOS meeting held on March 25, 2026

**Table 1: Structure of the 3-year Multidisciplinary Undergraduate (UG)
Programme: Semester-wise and Course category-wise
distribution of credits**

SEM	Core Course (A)	Core Course (B)	Core Course (C)	MDC	AE C	SEC	VAC	Internship	Total Credits
I	MA-1 (5) Introductory Microeconomics	MB-1 (5)	MC-1 (5)		AE-1 (3)		VA-1 (3)		21
II	MA-2 (5) Introductory Macroeconomics	MB-2 (5)	MC-2 (5)		AE-2 (3)		VA-2 (3)	(4**)	21
Exit with Certificate									(4**) +42
III	MA-3 (5) Development Economics	MB-3 (5)	MC-3 (5)		AE-3 (3)	SE-1 (3)			21
IV	MA-4 (5) Indian Economy	MB-4 (5)	MC-4 (5)	MD-1 (3)		SE-2 (3)		(4**)	21
Exit with Diploma									(4**) +84
V	MA-5 (5) International Economics and Elementary Statistics	MB-5 (5)	MC-5 (5)	MD-2 (3)		SE-3 (3)			21
VI	MA-6 (5) Public Finance	MB-6 (5)	MC-6 (5)	MD-3 (3)		SE-4 (3)		(4**)	21
Credits	30	30	30	9	9	12	6	4	(4**)+12 6

MA: Core course from discipline 1, MB: Core course from discipline 2, MC: Core course from discipline 3 Credit (5) distribution: (a) Lab-based Courses: L=3, T/P=2, (b) Non-Lab based Courses: L=4, T=1, (C) Field-based Courses: P=5, (d) Music as a Major/Minor discipline, credit distribution: L=1/2,P=4/3.

(..) shows credits.

ECONOMICS CORE – SEM I

MA-1: INTRODUCTORY MICROECONOMICS

(ECOCOR101T)

5 Credits (4L+1T)

Total Number of Lecture Hours = 75

Course Objectives

This course introduces basic economic concepts, demand–supply analysis, consumer behaviour based on utility theory, production and cost concepts, and market structures. It aims to develop foundational understanding of price determination and factor pricing.

Course Outcomes (COs)

Students will be able to:

COMA1.1: Explain basic economic concepts including scarcity, demand, supply, and elasticity. **(K2)**

COMA1.2: Apply marginal utility theory to derive demand behaviour. **(K3)**

COMA1.3: Analyze production functions, laws of production, and cost relationships. **(K4)**

COMA1.4: Analyze equilibrium under perfect competition and basic features of imperfect markets. **(K4)**

COMA1.5: Evaluate theories of factor pricing such as rent and wages. **(K5)**

Course Contents

1. Basic Concepts: (8L+2T)

What is economics? Scope and method of economics; The economic problem: scarcity and choice; Distinction between Microeconomics and Macroeconomics; Concept of Market, Demand & Supply – Market Equilibrium; Elasticity of Demand: Price Elasticity of Demand, Factors affecting the Price Elasticity of Demand- Measurement of Point Price Elasticity of Demand - Income Elasticity of Demand.

2. Consumers' Behaviour: (14L+4T)

Marginal Utility- Law of Diminishing Marginal Utility- Derivation of Demand Curve from Marginal Utility Curve - Consumers' Surplus; Indifference Curve: Definition and Characteristics –Budget Line –Consumers' Equilibrium; Price effect, Income effect and Substitution effect- Inferior goods and Giffen goods (definitions only).

3. Producers' Behaviour : (14L+4T)

Concept of Production- Factors of Production- Production Function: Concepts of Total Product, Average Product and Marginal Product; Derivation of AP and MP curve from TP curve graphically - Law of Variable Proportions; Isoquants and its properties Expansion Path- Laws of Returns to Scale; Concepts of Revenue- Total Revenue, Average Revenue, Marginal Revenue; Derivation of AR and MR curve from TR curve – Relation between AR, MR and Price Elasticity of Demand; Cost of Produ

1. Market Structure: Perfect Competition

(8L+2T)

Characteristics of Perfectly Competitive Market; Short-run and Long-run equilibrium of Perfectly Competitive firm and industry.

2. Market Structure: Imperfect Competition

(4L+1T)

Concepts and Characteristics of Monopoly and Oligopoly Markets.

3. Theory of Factor Prices: Rent and Wages

(10L+4T)

Rent: Ricardian Theory, Modern Theory, Quasi-Rent; Wage: Marginal Productivity Theory of Wages – Role of Trade Union in Wage Determination under competitive set up.

Suggested Readings:

1. Lipsey, R.G – An Introduction to Positive Economics . Widenfeld and Nicholson, London.
2. Ahuja, H.L – Advanced Economic Theory.
3. Stonier Hague – Economics
4. Mukherjee, Debes – Essentials of Micro and Macroeconomics New Central Book Agency (P) Ltd.
5. Dewett , K.K –Modern Economic Theory 6. Joydev Sarkhel – Adhunik Orthonitir Bhumika (Bengali version)

ECONOMICS CORE – SEM II

MA-2: INTRODUCTORY MACROECONOMICS

(ECOCOR202T)

5 Credits (4L+1T)

Total Number of Lecture Hours = 75

Course Objectives

This course introduces national income accounting, classical and Keynesian theories, money and banking, and inflation. It develops understanding of macroeconomic aggregates and policy mechanisms.

Course Outcomes (COs)

Students will be able to:

- COMA2.1: Explain concepts and measurement of national income. **(K2)**
- COMA2.2: Analyze classical and Keynesian theories of income determination. **(K4)**
- COMA2.3: Apply concepts of money supply, banking, and credit creation. **(K3)**
- COMA2.4: Analyze inflation, its causes, and economic effects. **(K4)**
- COMA2.5: Evaluate anti-inflationary fiscal and monetary policies. **(K5)**

Course Contents

1. National Income: (16L+4T)

National Income and its measurement-different methods and their drawbacks; GDP and GNP; Difference between Nominal and real GNP/GDP; The circular flow of income and expenditure. GNP/GDP as a true index of Nation's welfare; Concept of HDI.

2. Macroeconomic Theories: (16L+4T)

Classical Macroeconomic Theory and Keynesian Theory (concepts and historical background how they are different); Simple Keynesian Model (SKM) of Income Determination-Consumption Function-Relation between Average and Marginal Propensity to Consume-Multiplier Theory

3. Money and Banking: (16L+4T)

Functions of Money-Value of Money Different Concepts of Money: M1, M2, M3 and M4; Concepts of Bank and Non-bank Financial Intermediaries-Functions of and Credit Creation by Commercial Banks-Central Bank-Functions and Credit Control Measures.

4. Inflation: (12L+3T)

Concepts of Inflation, Deflation and Stagflation-Inflationary Gap – Distinction between Demand Pull and Cost Push Inflation-Effects of Inflation; Anti-inflationary Fiscal and Monetary Policies.

Suggested Readings:

1. Gupta, S.B – Monetary Economics, S.Chand & Co., New Delhi
2. Ahuja, H.L – Macroeconomics
3. Mukherjee, Debes – Essentials of Micro and Macroeconomics, New Central Book Agency (P) Ltd.
4. Joydev Sarkhel – Adhunik Orthonitir Bhumika (Bengali version)

ECONOMICS CORE – SEM III

MA-3: DEVELOPMENT ECONOMICS

(ECOCOR303T)

5 Credits (4L+1T)

Total Number of Lecture Hours = 75

Course Objectives

This course introduces concepts of economic development, planning strategies, population dynamics, capital formation, foreign investment, and gender issues in development.

Course Outcomes (COs)

Students will be able to:

COMA3.1: Explain concepts of economic growth, development, and HDI. **(K2)**

COMA3.2: Analyze development planning strategies including balanced and unbalanced growth. **(K4)**

COMA3.3: Analyze the relationship between population and economic development. **(K4)**

COMA3.4: Analyze capital formation and role of foreign investment in development. **(K4)**

COMA3.5: Evaluate gender-related development issues using GDI concepts. **(K5)**

Course Contents

1. Basic Concepts of Development: (12L+3T)

Meaning of growth and development, Distinction between Economic Growth and Economic Development-Growth indicators-NNI and PCI, Concept and formulation of HDI.

2. Development Planning and its necessity (12L+3T)

Balanced vs. Unbalanced growth.Complementary Roles of Agriculture and Industry -Role of Technology in Agriculture and Industry.

3. Population and Economic Development: (8L+2T)

The Two Way Relation.

4. Capital Formation in an Underdeveloped Country: (8L+2T)

Concept, stages of capital formation, role in underdeveloped economy, sources, problems of domestic capital formation in underdeveloped economy; Problems -Incentives for Savings and Investment.

5. Foreign Investment: (12L+3T)

Different forms -Their roles in Economic Development.

6. Gender Related Issues: (8L+2T)

Concept of GDI & instances of Gender Discrimination in the society

Suggested Readings:

1. Todaro, M.P.: Economic Development in the Third World, Longman, New York.
2. Salvatore, D. and E. Dowling: Development Economics, Schaum's, Outline Series in Economics, McGraw Hill, New York.
3. Agarwala, A.N. and S.P. Singh: Economics of Underdevelopment, (eds.) Oxford University Press, London.
4. Meier, G.M. (ed.): Leading Issues in Economic Development, Oxford University Press, New York.
5. United Nations Development Programme, Human Development Report (Recent Years)

ECONOMICS CORE – SEM IV

MA-4: INDIAN ECONOMY

(ECOCOR404T)

5 Credits (4L+1T)

Total Number of Lecture Hours = 75

Course Objectives

This course examines structural features of the Indian economy, sectoral trends, human development, agriculture, industry, financial system, public finance, and foreign trade.

Course Outcomes (COs)

Students will be able to:

COMA4.1: Explain structural features and sectoral changes in the Indian economy. **(K2)**

COMA4.2: Analyze poverty, inequality, and unemployment trends. **(K4)**

COMA4.3: Analyze issues in agriculture and industrial development. **(K4)**

COMA4.4: Apply concepts of banking, financial system, and monetary policy. **(K3)**

COMA4.5: Evaluate public finance and foreign trade policies in India. **(K5)**

Course Contents

1. Structure of Indian Economy (12L+3T)

Sectoral distribution of National Income and its change since inception of Planning; Occupational pattern in India- A trend analysis since Independence; Inequalities in India – income, consumption and wealth; Poverty in India; Poverty eradication programmes and their effectiveness; Nature and trend of unemployment in India

2. Human resources and economic development (8L+2T)

Size and growth rate of population in India; Changes in sex composition since inception of planning; Population policy and population projections for India; Demographic dividend; Issues in labour migration

3. Agriculture (8L+2T)

Causes for low productivity in Indian agriculture; Green revolution and its appraisal; Land reforms and its appraisal; Targeted public distribution system.

4. Industry (8L+2T)

Review of Industrial growth under planning regime; Industrial sickness in India; Role of small scale industries, SMEs and MSMEs in economics development; Government schemes for small scale industries and entrepreneurship development; Role of trade union and social security measures in India.

5. Banking (8L+2T)

Structure of the Indian Financial System; Role of commercial Banks in India; Bank Nationalisation; profitability of banks in India; Role of Reserve Bank of India and Monetary Policy

6. Indian Public Finance

(8L+2T)

Sources of Revenue of Union and State Governments; Introduction of GST and its implication; Union-State Financial Relation; Centre-State conflict on Finances; Central Finance Commission; Public expenditure and Public debt

7. Foreign Trade:

(8L+2T)

Economic Liberalisation and Economic Reforms of 1991; Volume and direction of India's foreign trade in the post-Liberalization period.

Suggested Readings:

1. Dutta R. and K.P.M. Sundaram: Indian Economy, S. Chand and Co. New Delhi
2. Misra S.K. and V. K. Puri: Indian Economy, Himalayas Publishing Co. Mumbai.
3. Agarwal A.N: Indian Economy, Vikash Publishing Co. Delhi
4. Gupta, S.B.: Monetary Planning in India, Oxford University Press, Delhi.
5. Mukherjee, Ghosse and Dutta, A Compendium of Indian Economy. Asian Humanities Press.
6. Sarkhel J. and S. Seikh Salim: Bharatiya Arthaniti, Book Syndicate Pvt.Ltd, Kolkata.

ECONOMICS CORE – SEM V

MA-5: INTERNATIONAL ECONOMICS AND ELEMENTARY STATISTICS (ECOCOR505T)

Group-A, International Economics

Total Number of Lecture Hours = 50 (40L + 10T)

Course Objectives

This course introduces basic theories of international trade, trade policies, balance of payments, and international financial institutions.

Course Outcomes (COs)

Students will be able to:

COMA5A.1: Explain basic concepts of international trade and terms of trade. **(K2)**

COMA5A.2: Analyze theories of absolute and comparative advantage. **(K4)**

COMA5A.3: Analyze effects of tariffs, quotas, and trade policies. **(K4)**

COMA5A.4: Apply balance of payments accounting and exchange rate concepts. **(K3)**

COMA5A.5: Evaluate the role of international institutions such as IMF and World Bank. **(K5)**

Course Contents

1. Trade theory and development: Traditional arguments: (16L+4T)

Why trade occurs between nations, Distinction between internal trade & international trade, Concept of Terms of Trade; Gains from Trade: Exchange gain & Specialization gain (concept only), Static gains from trade; Absolute Advantage & Comparative Advantage theory of International trade (concept only).

2. Trade Policy: (8L+2T)

Arguments for protection, Tariff and non-tariff trade barriers (Quota), Partial equilibrium effect of imposition of Tariff and Quota on importable; Export promotions Import Substitution industrialization strategy Regional Trading Blocks (concept only with its different types and examples)

3. Balance of Payment: (10L+2T)

BOP Accounting - current & capital account balance, Why BOP balances itself? Autonomous & Accommodating transactions – BOP equilibrium; Concept of Exchange Rate – Nominal and Real exchange rate, Concept of Depreciation / Devaluation of currency

4. International Institutions: (6L+2T)

Salient features and functions of IMF & World bank.

Suggested Readings:

1. International Economics : Trade & Finance, Dominick Salvatore, 11th Edn Wiley Publication
2. International Economics :Theory and policy, Krugman and Obstfeld, 8th Edn Pearson
3. International Economics : Rajat Acharyya , - - Oxford University Press
4. World Trade and Payments : Caves, Frandel and Jones
5. Principles of Macroeconomics : Soumya Sikdar.

Group-B: Elementary Statistics

Total Number of Lecture hours: 25 (18L + 7T)

Course Objectives

This course introduces basic statistical concepts, data presentation, frequency distribution, and measures of central tendency and dispersion.

Course Outcomes (COs)

Students will be able to:

COMA5B.1: Explain basic statistical concepts including data types and sampling. **(K2)**

COMA5B.2: Apply diagrammatic and graphical methods for data presentation. **(K3)**

COMA5B.3: Construct frequency distributions and graphical representations. **(K3)**

COMA5B.4: Apply measures of central tendency such as mean, median, and mode. **(K3)**

COMA5B.5: Analyze dispersion using range and standard deviation. **(K4)**

Course Contents

1. Meaning and scope of statistics: (4L+2T)

Variable and Attribute, Primary and secondary data. Population and Sample, Complete enumeration (census) and Sample Survey, Classification, Tabulation.

2. Charts and Diagrams: (3L+1T)

Objectives of Diagrammatic Representation-Types of Chart and Diagram, Line diagram, Bar diagrams, Pie diagram.

3. Frequency Distribution: (4L+2T)

Construction of Frequency Distribution-Cumulative Frequency Distributions. Diagrammatic representation of frequency distribution. Histogram, Frequency polygon and ogive.

4. Measure of central tendency: (4L+1T)

Mean (A.M.) Median, and Mode.

5. Measures of Dispersion: (3L+1T)

Range, and Standard Deviation. Relative measures of Dispersion: Coefficient of Variation.

Suggested Readings:

1. Goon, A.M. , Gupta, M.K. & Dasgupta B. : Basic Statistics, The World Press Pvt. Limited.
2. Das, N.G.: Statistical Methods, M. Das & Co.

ECONOMICS CORE – SEM VI

MA-6: PUBLIC FINANCE

(ECOCOR606T)

5 Credits (4L+1T)

Total number of lecture hours = 75

Course Objectives

This course introduces the scope and functions of public economics, including public goods, taxation, public expenditure, and public debt. It aims to develop an understanding of government intervention, fiscal policies, and the role of public finance in economic development.

Course Outcomes (COs)

Students will be able to:

COMA6.1: Explain the nature and scope of public economics, including externalities and market failure. **(K2)**

COMA6.2: Analyze the characteristics and provision of public goods and the concept of Lindahl equilibrium. **(K4)**

COMA6.3: Apply principles of taxation including canons, incidence, and tax structures. **(K3)**

COMA6.4: Analyze effects of taxation on income distribution, savings, and economic efficiency. **(K4)**

COMA6.5: Evaluate public expenditure, public debt, government budgeting, and fiscal federalism in India. **(K5)**

Course Contents

- 1. Nature and Scope of Public Economics** (8L+2T)
Definition and Scope of Public Economics; Externalities, Market Failure and Government Intervention.
- 2. Theory of Public Good** (15L+5T)
Overview of Public Good; Characteristics of Pure Public Good; Distinction between Pure Public Good and Private Good; Market Failure in case of Pure Public Good; Optimal provision of Public Goods; Lindahl Equilibrium.
- 3. Taxation** (15L+5T)
Classification of Taxes; Canons of Taxation; Benefit Principle; Ability to Pay Principle; Incidence and Burden of Taxes; Effects of taxation on income distribution and on savings; the Laffer curve; Optimal Taxation.

4. Public Expenditure and Public Debt

(20L+5T)

Meaning and Classification of Public Expenditure; government budget and its types; Sources of revenue of Central and State governments in India; Fiscal Federalism in India; Meaning of Public Debt; Sources of Public Borrowings: internal and external borrowing; Effects of Public Debt.

Suggested Readings:

1. J. Hindriks, G. Myles: *Intermediate Public Economics*, MIT Press, 2006.
2. J. E. Stiglitz, *Economics of the Public Sector*, W.W. Norton & Company, 3rd edition, 2000.
3. R.A. Musgrave and P.B. Musgrave, *Public Finance in Theory & Practice*, McGraw Hill Publications, 5th edition, 1989.
4. J. F. Due and A. F. Friedlander. *Government Finance-Economics of Public Sector*, AITBS Publishers and Distributors, 1994
5. A Ghosh and C. Ghosh, *Public Finance*, Prentice Hall India Learning Private Limited; 2nd Revised edition (2014)
6. হরিদাস আচার্য, আধুনিক অর্থনীতির ভূমিকা
7. দেবশিস মজুমদার ও সুজাতা ভট্টাচার্য, সরকারি আয়ব্যয় তত্ত্বের ভূমিকা, ABS Publishing House.
8. রাধাশ্যাম সামন্ত, আন্তর্জাতিক অর্থনীতি ও রাষ্ট্রীয় অর্থনীতি, শ্রীধর পাবলিশিং কোম্পানি
9. সুব্রত গুপ্ত, আন্তর্জাতিক অর্থনীতি ও সরকারি অর্থব্যবস্থা, বাণী প্রকাশন

MULTI-DISCIPLINARY COURSE IN ECONOMICS

(SEM IV/SEM V/SEM VI)

(MDC) MD-1/ MD-2/ MD-3: UNDERSTANDING ECONOMICS

ECOGMD401M/ ECOGMD501M/ ECOGMD601M

3 Credits (36L+9T)

Total Number of Lecture Hours = 45

Course Objectives

This course provides a foundational understanding of economic principles including scarcity, demand and supply, macroeconomic aggregates, and basic features of the Indian economy.

Course Outcomes (COs)

Students will be able to:

COMD1.1: Explain basic economic concepts including scarcity, choice, and economic systems. (K2)

COMD1.2: Apply demand and supply analysis to understand market equilibrium. (K3)

COMD1.3: Explain macroeconomic concepts such as GDP, inflation, and national income. (K2)

COMD1.4: Analyze basic economic problems such as poverty and unemployment in India. (K4)

COMD1.5: Describe the structure of the Indian financial system and key institutions. (K2)

Course Contents:

1. Exploring the subject matter of Economics

(2L+0T)

Why should one study Economics; Scope and methods of Economics; Distinction between Microeconomics and Macroeconomics; Problem of Scarcity and Choice – what to produce, how to produce and how to distribute the output; Economic systems (Capitalism, Socialism, Mixed Economy)

2. Supply and Demand: How Markets Work

(8L+2T)

Laws of Demand and Supply; Determinants of Individual Demand and Supply; Concept of Equilibrium; Process of trial and error and Determination of Equilibrium Price and Quantity; Shifts in the Demand and Supply curves; Markets and Competition; Types of Markets - Perfect Competition, Monopoly, Oligopoly (concepts only)

3. Macroeconomics: An Overview

(10L+3T)

Concepts of Gross National Product, Gross Domestic Product, National Income; Circular Flow of National Income; Real and Nominal National Income; Problem of Inflation – causes and its remedies; Difference between Growth and Development; Concept of Human Development Index

4. Indian Economy

(16L+4T)

Characteristic features of Indian Economy as a Developing Country; Sectoral Composition of National Income of India; Problem of Poverty, Unemployment and Underemployment in India (overview only); Introduction to Indian Financial System; Reserve Bank of India, Commercial Banks, Development Banks; Financial Instruments – Bank Deposits, Equity Market, Mutual Funds (concepts only)

Suggested Readings:

1. Mukherjee, Debesh – Essentials of Micro and Macro Economics, New Central Book Agency (P) Ltd.
2. Ahuja, H.L. – Macroeconomics
3. Gupta, S.B – Monetary Economics, S.Chand & Co., New Delhi
4. Majumder, Siddhartha - Indian Financial System and Financial Market Operations
5. Mishra and Puri – Indian Economy (latest edition)
6. Datt and Sundaram – Indian Economy (latest edition)
7. Sarkhel Joydeb – Byastigato o Samastigato Arthaniti

Skill Enhancement Course (SEC) in Economics (For Odd Semesters: SEM III/SEM V)

SE-1/SE-3: SURVEY METHODOLOGY

Course Code: ECOGSE301M/ECOGSE501M

3 Credits (36L + 9T)

Total Number of Lecture Hours = 45

Course Objectives

This course introduces the principles and practices of survey methodology, including survey design, sampling techniques, data collection methods, and error analysis. It aims to develop practical skills in conducting field surveys, processing survey data, and preparing research reports.

Course Outcomes (COs)

Students will be able to:

COSE1.1: Explain survey methodology concepts, validity, reliability, and sources of error. **(K2)**

COSE1.2: Apply sampling techniques in survey design. **(K3)**

COSE1.3: Analyze modes of data collection and response behaviour. **(K4)**

COSE1.4: Apply techniques to handle nonresponse and improve response rates. **(K3)**

COSE1.5: Analyze post-survey processing and estimation methods. **(K4)**

COSE1.6: Design and conduct a field survey and prepare a project report. **(K6)**

Course contents:

1. Introduction, Inference and Error in Surveys: (8L+2T)

Introduction to survey methodology; Steps of the process of a survey, Examples of Large-Scale Survey Instruments, Introducing the Concepts of Validity and Reliability, Sources of Error: Sampling and Measurement, Different Theories of Measurement

Readings: Groves, et al. (2009), Chapters 1 and 2

2. Sampling in Survey Research: (10L+3T)

Being Clear about the Population of Interest, Developing a Sampling Frame, Probability sampling; Simple Random and Systematic sampling; Stratification, Cluster and multistage sampling; Other probability designs, Sampling frames; Selection weights; Computing sampling errors, Examples of sample designs

Readings: Groves, et al. (2009), Chapters 3 and 4

3. Mode of Data Collection: (10L+5T)

Face-to-face, Telephone, Self-administered, and Administrative records, Methods of computer assisted data collection; Impact on survey errors, Web surveys, Overview of response behavior; Comprehension; Memory search, Estimation and judgment; Delivery of response Pretesting: Focus groups; Cognitive interviews; Expert review; Pre-tests; Pilot tests

Readings: Groves, et al. (2009), Chapter 5, 7 & 8

4. Nonresponse:

(4L+2T)

Contacting sample units; Gaining the cooperation of sample units, Monitoring the progress of data collection; Response rates

Readings: Groves, et al. (2009), Chapter 6

5. Post-Survey Processing; Estimation (Lepkowski):

(4L+3T)

Lecture: Editing data; Coding; Imputation; Construction of unit weights, Variance estimation; Analysis of survey data

Readings: Groves, et al. (2009), Chapter 10

(Preferably students should be given an exposure of field survey to understand the process of survey methodology in a better way)

Reference Materials:

1. Groves, Robert et al. (2009): Survey Methodology, 2nd Edition. New York: Wiley
The textbook will be available online.
2. Converse, J., & Presser, S. (1986). Survey Questions: Handcrafting the Standardized Questionnaire. Newbury Park: Sage Publications. (available online: <http://mirlyn.lib.umich.edu/Record/012841736>)
3. Kalton, G. (1983). An Introduction to Survey Sampling, Beverly Hills: Sage Publications. (available online: <http://mirlyn.lib.umich.edu/Record/012841441>)
4. Fowler, F., & Mangione, T. (1990). Standardized Survey Interviewing, Newbury Park: Sage Publications. (available online: <http://mirlyn.lib.umich.edu/Record/012841712>)

Skill Enhancement Course (SEC) in Economics

(For Even Semesters: SEM IV/SEM VI)

SE-2/SE-4: INDIAN OFFICIAL STATISTICS

Course Code: ECOGSE402M/ ECOGSE602M

3 Credits (36L + 9T)

Total Number of Lecture Hours = 45

Course Objectives

This course provides an understanding of the Indian official statistical system, including data collection methods, institutional framework, and major statistical publications. It develops the ability to analyze demographic and economic data for policy and research.

Course Outcomes (COs)

Students will be able to:

COSE2.1: Explain the concept and framework of official statistics in India. **(K2)**

COSE2.2: Describe methods and sources of official statistical data. **(K2)**

COSE2.3: Analyze economic and demographic data from official sources. **(K4)**

COSE2.4: Apply demographic measures for analysis. **(K3)**

COSE2.5: Evaluate the role of official statistics in policy formulation. **(K5)**

COSE2.6: Analyze international statistical indicators and comparisons. **(K4)**

Course Contents

1. Introduction:

(8L+2T)

What is Official Statistics? Methods of Collecting Official Statistics, Aims and Objectives, Indian Statistical System: Main functions of Statistical System in Indian, Institutional Framework; Official organizations for collecting/compiling/ publishing national/state level data on different variables

2. Economic Census:

(14L+6T)

Economic Statistics, Population Statistics, Employment Statistics, Agriculture Statistics, Financial Statistics - Main Publications, Who collects - Periodicity and Features

3. Sources of demographic data:

(8L+4T)

Registration of Vital events. Rates and ratios. Measures of mortality. Measures of fertility and Reproduction. Use of demographic data for policy formulation.

4. International Statistical System:

(6L+3T)

Comparison of major macro variables - National Income/GDP. Selected topics from: Purchasing power parity; Indicators relating to Energy, environment, Gender, Industry, National accounts, Social Statistics and Trade.

Reference Materials:

1. M. R. Saluja: Indian Official Statistical Systems.
2. CSO (MOSPI) Publication: Statistical System in India.
3. United Nations publications
4. RBI: Handbook of Statistics for the Indian Economy (various years)
5. Economic Survey, Govt. of India, Ministry of Finance (various years)
6. R. Ramkumar: Technical Demography.
7. K. Srinivasan: Demographic Techniques and Applications.
8. B. D. Mishra: An Introduction to the Study of Population.
9. H. S. Shryock: The Methods and Materials in Demography