

WEST BENGAL STATE UNIVERSITY

Draft Syllabus for three year B.A. /B.Sc. degree course

Under CBCS semester system

GENERAL COURSE IN ECONOMICS

Approved in the BOS Meeting held on 26.04.2018

With effect from the session: 2018 – 2019

Undergraduate Programme: B.A. General with Economics

Sem.	Core	DSE	GE	AECC	SEC
Sem-1	DSC 1A Introductory Microeconomics ECOGCOR01T DSC 2A English			Environmental Science	
Sem-2	DSC 1B Introductory Macroeconomics ECOGCOR02T DSC 2B English			English/MIL Communication	
Sem-3	DSC 1C Development Economics ECOGCOR03T DSC 2C MIL				SEC -1

Sem-4	DSC 1D Indian Economy ECOGCOR04T DSC 2D MIL				SEC -2
Sem-5		DSE-1A Elementary Statistics ECOGDSE01T or Economics of Social Sectors ECOGDSE02T DSE -2A	GE-1 Introductory Microeconomics (If Economics is not selected as DSC) ECOGGEC01T		SEC -3
Sem-6		DSE-1B Trade and Development ECOGDSE03T or Public Finance ECOGDSE04T DSE-2B	GE-2 Introductory Macroeconomics (If Economics is not selected as DSC) ECOGGEC02T		SEC -4

Undergraduate Programme: B.Sc. General with Economics

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Sem-1	DSC 1A Introductory Microeconomics ECOGCOR01T DSC 2A DSC 3A			Environmental Science	

Sem-2	DSC 1B Introductory Macroeconomics ECOGCOR02T DSC 2B DSC 3B			English/MIL Communication	
Sem-3	DSC 1C Development Economics ECOGCOR03T DSC 2C DSC 3C				SEC -1
Sem-4	DSC 1D Indian Economy ECOGCOR04T DSC 2D DSC 3D				SEC -2
Sem-5		DSE-1A Elementary Statistics ECOGDSE01T or Economics of Social Sectors ECOGDSE02T DSE -2A DSE 3A			SEC -3
Sem-6		DSE-1B Trade and Development ECOGDSE03T or Public Finance ECOGDSE04T DSE-2B DSE-3B			SEC -4

DSE Courses

Group A (DSE-1A) (Sem-5)	Group B (DSE-1B) (Sem-6)
(Any one from the given options)	(Any one from the given options)
a) Elementary Statistics ECOGDSE01T b) Economics of Social Sectors ECOGDSE02T	a) Trade and Development ECOGDSE03T b) Public Finance ECOGDSE04T

GE Courses (offered to students of other Honours subjects)

Sem-1	GE-1 Introductory Microeconomics ECOHGEC01T
Sem -2	GE-2 Introductory Macroeconomics ECOHGEC02T
Sem -3	GE-3 Development Economics ECOHGEC03T
Sem -4	GE-4 Indian Economy ECOHGEC04T

SEC Courses

SEC-1	Survey Methodology ECOSSEC01M
SEC-2	Indian Official Statistics ECOSSEC02M

DSC: Credit- 6 (5L+1T)
GE: Credit- 6(5L+1T)

Full Marks: 75

Sem-1: DSC-1 (ECOGCOR01T)
Sem-1: GE Course-1 (ECOHGEC01T)

INTRODUCTORY MICROECONOMICS

Total number of Lecture hours:75

Total number of Tutorial hours:15

Topics

1. Basic Concepts: (10 hours)

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 and Arc elasticity- Income elasticity of demand.

2. Consumers' Behaviour (15 hours)

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- Income effect and Substitution effect- Graphical presentation to show Price effect is the summation of Income effect and Substitution effect- Inferior goods and Giffen goods.

3. Producers' Behaviour (15 hours)

Concept of Production- Factors of Production- Production Function: Concepts of TP, AP and MP. Derivation of AP and MP curve graphically from TP curve- Law of Variable Proportions- Isoquants and its Properties- Expansion Path- Laws of Returns to Scale. Concepts of Revenue- TR, AR, MR. Derivation of AR and MR curve from TR curve – Relation concerning AR, MR and Elasticity of Demand.

Cost of Production –Fixed cost and Variable cost –Shape of the Short-run cost curves- Relation between AC and MC –LAC is the envelope of SACs.

1. Market Structure: Perfect Competition (10 hours)

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

5. Market Structure: Imperfect Competition (10 hours)

Concept and Characteristics of Monopoly Market – Degree of Monopoly Power. Monopolistic competition and Oligopoly - Features and example

6. Theory of Distribution

(15 hours)

(i) Marginal Productivity Theory of Distribution

(ii) **Rent** : (a) Ricardian Theory , (b) Modern Theory , (c) Quasi- Rent.

(iii) **Wage**: Marginal Productivity Theory of Wages – Role of Trade Union in Wage Determination under Competitive Set up.

(iv) **Interest**: Real and Monetary Interest Rate – Lovable Fund Theory of Interest Rate – Liquidity Theory of Interest Rate.

(v) **Profit**: Gross Profit and Net Profit – Difference Between Profit and Other Factor Incomes (concepts only)

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

Sem-2: DSC-2 (ECOGCOR02T)

Sem-2: GE Course-2(ECOHGEC02T)

INTRODUCTORY MACROECONOMICS

Total number of Lecture hours:75

Total number of Tutorial hours:15

Topics

1. National Income

(20hours)

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

2. Macro economic theories (20hours)

(i) Classical Macro economic theory and Keynesian Theory (concepts and historical background, how they are different)

(ii) Simple Keynesian Model (SKM) of Income Determination- Consumption Function – Relation between Average and Marginal Propensity to Consume - Multiplier Theory .

3. Money and banking (20 hours)

(i) Functions of Money – Value of Money Different Concepts of Money : M_1 , M_2 , M_3 and M_4 .

(ii) Concepts of Bank and Non-bank Financial Intermediaries – Functions and Credit Creation of Commercial Banks – Central Bank-Functions and Credit Control Measures.

4. Inflation

(15hours)

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.

Sem-3: DSC-3 (ECOGCOR03T)

Sem-3: GE Course-3 (ECOHGEC03T)

DEVELOPMENT ECONOMICS

Total number of Lecture hours:75

Total number of Tutorial hours:15

Topics

- 1. Basic Concepts of Development: (15 hours)**
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 & its necessity (15 hours)**
Balanced vs. Unbalanced growth.Complementary Roles of Agriculture and Industry -Role of Technology in Agriculture and Industry.
- 3. Population and Economic Development:(10hours)**
-- The Two Way Relation.
- 4. Concept and Role of Domestic Capital Formation in an Underdeveloped Country: (10 hours)**
The Problems -Incentives for Savings and Investment.
- 5. Foreign Investment: (8hours)**
Different forms -Their roles in Economic Development.
- 6. Role of International Institutions: (7hours)**
IMF & World Bank in economic development of the LDCS.
- 7. Gender Related Issues (10 hours)**
–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)

Sem-4: DSC-4 (ECOGCOR04T)
Sem-4: GE Course-4(ECOHGEC04T)

INDIAN ECONOMY

Total number of Lecture hours:75

Total number of Tutorial hours:15

Topics

1. Structure of Indian Economy: (12 hours)

Sectoral distribution of National Income and its change since inception of Planning. Occupational pattern in India-A trend analysis since 1901. Inequalities in Income distribution. Economic reforms and reduction of poverty; Poverty eradication programmes and their effectiveness. Structure and quality of employment in India; Government undertaken different schemes to reduce unemployment and underemployment.

2. Human resources and economy development: (10 hours)

Size and growth rate of population in India. Changes in sex composition since inception of planning. Population policy and population projections for India.

3. Agriculture: (15 hours)

Causes for low productivity. Targeted public distribution system. New agricultural policy; Green revolution and its prospects Land reforms and its appraisal. Effects of GATT on Indian Agriculture.

4. Industry: (10hours)

Review of Industrial growth under planning. Role of small-scale industries and policy perspective to help them. Role of trade union and social security measures in India.

5. Banking: (10 hours)

Role of Indian Commercial Banks and Reserve Bank of India. Monetary Policy of the Reserve Bank of India. Profitability of banks in India.

6. Indian Public Finance: (10 hours)

Sources of Revenue and Expenditure of Union and State Government. Union-State Financial Relation. Centre-State Conflict on Finances.

7. Foreign trade: (8 hours)

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.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.

DSE Courses for B.A./B. Sc. General Students
Credit: 6 (5L+1T)
Full Marks: 75

Sem-5: DSE Course-1(a) (ECOGDSE01T)

ELEMENTARY STATISTICS
Total number of Lecture hours:75
Total number of Tutorial hours:15

Topics

1. Meaning and scope of statistics: (15 hours)

Variable, Attribute, Primary and Secondary Data, Population and Sample, Census and Sample Survey, Classification of data and Tabulation.

2. Frequency Distributions :(15 hours)

Frequency distribution of an Attribute, Frequency distribution of a discrete variable, Frequency distribution of a continuous variable, Construction of Frequency distribution from raw data, Cumulative Frequency distribution.

3.Charts and Diagrams :(15 hours)

Meaning and functions of Graphs – Types of Charts and Diagrams – Line Diagram, Bar Diagram, Pie Diagram, Pictogram, Statistical Map, Frequency Polygon, Histogram, Step Diagram, Ogive or Cumulative Frequency Polygon, Frequency Curve.

4.Measures of Central Tendency: (15 hours)

Arithmetic Mean (AM), Geometric Mean (GM), Harmonic Mean (HM), Median, Mode (Definitions, formulae and simple numerical problems).

5. Measures of Dispersion: (15 hours)

Meaning and necessity, Range, Quartile Deviation (QD), Mean Deviation (MD), Standard Deviation (SD), Coefficient of Variation(CV),(Concepts only).

Suggested Readings:

1. Goon. A.M, Gupta M.K. and Dasgupts.B.. Basic Statistics , M. Das and Co.,Calcutta.
- 2.Das, N.G., Statistical Methods, The EWorld Press Pvt. Ltd., Calcutta.

Sem-5: DSE Course-1(b) (ECOGDSE02T)

ECONOMICS OF SOCIAL SECTORS

Total number of Lecture hours:75

Total number of Tutorial hours:15

Topics

1. Social Development and Deprivation (15 hours)

Importance in poverty alleviation, Poverty line and its Measurement

2. Economics of Education and Health (20 hours)

Investment in Health and Education, health and education outcomes and their relationship with Economic Development.

3.Human Development and Deprivation (25 hours)

-Different indices and their components: Human Development : evolution and conceptual foundation –methodology for building the Human Development Index (HDI)- other related measures: Human Poverty Index (HPA), Gender Related Development Index (GDI), Gender Empowerment Measure (GEM) associated problems of measurement, components of different development indices: outcome indices and, process indices

4. Demography and Development (15 hours)

Population pyramid, demographic dividend and economic development

Suggested Readings:

1. Birdsall, Nancy. (1988): 'Economic Approaches to Population Growth' in H. Chenery and T.N. Srinivasan(eds.) Handbook of Development Economics, Volume-I, Elsevier Science Pubs. B.V.
2. Human Development Reports, Technical Notes: UNDP-various issues
3. India Development Report
4. India-Social Development Report, Council for Social Development, OUP-various issues

Sem-6: DSE Course-2(a) (ECOGDSE03T)

TRADE AND DEVELOPMENT

Total number of Lecture hours:75

Total number of Tutorial hours:15

Topics

1. Trade theory and development: Traditional arguments (20 hours)

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 & Dynamic gains from trade; Absolute Advantage & Comparative Advantage theory of International trade (concept only)

Terms of trade & Prebisch Singer thesis

2. Trade Policy : (20hours)

Arguments for protection, Tariff and non-tariff trade barriers (Quota, Voluntary Export Restraint), Concept of Local content requirement; Partial equilibrium effect of imposition of Tariff and Quota on importable; Tariff – Quota equivalence & where it breaks down? Export promotion vs Import Substitution industrialization strategy
Regional Trading Blocks (concept only with its different types and examples)

3. Balance of Payment : (20hours)

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 Fixed exchange rate, clean float & dirty float, Determination of exchange rate in foreign exchange market & its fluctuation; Concept of Depreciation / Devaluation of currency

4. Multinational Corporations : (15 hours)

Salient features, Globalization of Market and Globalization of Production, Implication of the activities of MNCs for the host developing nations

Suggested Readings :

1. International Economics : Trade & Finance, Dominick Salvatore, 11 th 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 : Soumyen Sikdar

Sem-6: DSE Course-2(b) (ECOGDSE03T)

PUBLIC FINANCE

Total number of Lecture hours:75

Total number of Tutorial hours:15

Topics

1. Nature and Scope of Public Economics(15 hours)

Definition and Scope of Public Economics; Externalities, Market Failure and Government Intervention.

2. Theory of Public Good(20hours)

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

(20hours)

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(20hours)

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
10. A Ghosh and C. Ghosh, *Public Finance*, Prentice Hall India Learning Private Limited; 2nd Revised edition (2014)

{ Values in parentheses to the above courses indicate number of Lecture hours to the corresponding unit of the course)

SEC Courses: Credit: 2

Full Marks: 25

SEC Course-1 (ECOSSEC01M)

SURVEY METHODOLOGY

Topics

1. Introduction, Inference and Error in Surveys

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

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

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; Pretests; Pilot tests

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

4. Nonresponse

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)

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

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

Required Materials:

Groves, Robert et al. (2009): Survey Methodology, 2 nd Edition. New York: WileyThe textbook will be available online.

Converse, J., & Presser, S. (1986). Survey Questions: Handcrafting the Standardized Questionnaire. Newbury Park: Sage Publications.
(availableonline:<http://mirlyn.lib.umich.edu/Record/012841736>)

Kalton, G. (1983). An Introduction to Survey Sampling, Beverly Hills: Sage Publications.
(available online: <http://mirlyn.lib.umich.edu/Record/012841441>)

Fowler, F., & Mangione, T. (1990). Standardized Survey Interviewing, Newbury Park: Sage Publications. (available online: <http://mirlyn.lib.umich.edu/Record/012841712>)

SEC Course-2 (ECOSSEC02M)

INDIAN OFFICIAL STATISTICS

Topics

2. Introduction

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

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

4. **Sources of demographic data** - Registration of Vital events. Rates and ratios. Measures of mortality. Measures of fertility and Reproduction. Use of demographic data for policy formulation. **L-8**

5. **International Statistical System:** 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. **L-5**

Reference Texts:

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.