DEPARTMENT OF ECONOMICS

Academic Plan
Lesson Plan

FACULTY MEMBER

SL NO	NAME	ABBREVIATION
1	DR INDRANI MITRA	IM
2	DR AYANANGSHU SARKAR	AS
3	DR SADDAM HOSSAIN MONDAL	SHM
4	MS SUSMITA ROY CHOWDHURY	SRC
5	MS ANGANA CHAKRABORTY	AC
6	MR SUBHASHISH DASGUPTA	SDG
7	MS SURAVI KAR ROY	SKR
8	DR SWETA LAHIRI	SL

Semester- I (July to December)

Core Course –I: Introductory Microeconomics

Course Code: CC1

Programme	B.Sc HONS Economics
Course Code	Course Name
CC1	Introductory Microeconomics
Year and Semester	1st year 1st semester
Prerequisite Course	Nil
Course Objective	Basic Idea about Microeconomic Theory

SL No	Content:	Lecture Hours	Faculty
Unit 1.1 Exploring the subject matter of economics	Learn the concept of scarcity, want. Economics as positive and normative concept	5	SRC
Unit 1.2	Concept of trade off, opportunity cost, Market economy, Property rights, Sources of Market failure, Externality.	5	SRC

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Unit 1.3	Gains from trade, Production possibility frontier, Absolute and Comparative advantage	5	SRC
Unit 2 Demand and Supply: How market works	Elementary concepts of Demand and Supply. Reasons for movement and shift of the concerned curves. Determination of market equilibrium and adjustments there ..The issue of Marshallian and Walrasian stability.	10	AS
Unit 3 Market and adjustment	Concept of market, price system, invisible hand. Role of household, firm and central authority. Different types of market. Different concepts of goods- public, private, club, mixed based on the characteristics like-excludability, rivalry.	10	AS
Unit 4 Market sensitivity and elasticity	Concept, importance and classification of different elasticities. Measurement of elasticity. Application based on the concept of elasticity.	5	AS
Unit 5 Govt Intervention	Government intervention in the form of price rationing, minimum wage law, rent control. Applications based on the concept of Price ceiling and price floor.	5	SRC
Unit 6.1 Unit 6.2 Utilitarian Approach	Acquiring the knowledge on Utilitarian approach. Concept of cardinal and ordinal utility. Concept of total utility, marginal utility, choice maximization and explanation of downward sloping demand curve.	5	SRC
Unit 6.3 Utilitarian Approach	Assumptions of ordinal utility theory and preference ordering. Concept of indifference curves. Marginal rate of substitution, budget constraint, consumers'equilibrium-interior and corner, Derivation of Demand Curves from ICs, composite good convention. Application: Cash subsidy versus subsidy in kind	10	AS
Unit 6.4 Utilitarian Approach	Price consumption curve, Income consumption curve and Engel curve. Price effect - Income and Substitution effect (Hicks and Slutsky),inferior goods and Giffen goods, Marshallian and compensated demand curves	10	AS

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Core Course –II: Mathematical Methods for Economics-I

Course Code: CC2

Programme	B.Sc HONS Economics
Course Code	Course Name
CC2	Mathematical Methods for Economics I
Year and Semester	1st year 1st semester
Prerequisite Course	Basic class 12 Mathematics
Course Objective	To equip students with basic mathematical methods and tools to be applied in analysing economic theory and solving numerical problems

SL.No	Content:	Lecture Hours	Faculty
Unit 1 Functions of several variable	Understand and solve problems related to functions and set, and related concepts	10	AS
Unit 2 Functions of one real variable	Solve related to single variable using first order and second order condition	10	AS
Unit 3 Multivariable optimization	Single variable optimization and application in Economics	15	AS
Unit 4 Integration of function	Integration and use in Economics to obtain total value from marginal value	5	AS
Unit 5 Matrix Algebra	Matrix algebra and use of that in Cramers rule, Jacobean matrix and LSOM model	10	SRC
Unit 6 Game theory	Understand Game theory and determined Nash equilibrium in some classic games	10	SRC

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Semester -II (January- June)
Core Course -III Introductory Macroeconomics
Course Code: CC3

Programme	B.Sc HONS Economics
Course Code	Course Name
CC3	Introductory Macroeconomics
Year and Semester	1st year, 2nd Semester
Prerequisite Course	NIL
Course Objective	Basic idea about Macroeconomic Theory

SL.No	Content:	Lecture Hours	Faculty
Unit1: National Income Accounting	Understand the basic ideas of National Income Accounting including problem solving techniques	10	AC
Unit2: Income Determination in the Short Run	Income determination through Keynesian Approach in the short run as well as how multiplier processes works in the economy.	10	IM
Unit3: The Classical System	Basic ideas of Classical Macroeconomics, Income and Employment determination through Classical Approach in the long run	15	IM
Unit4.1: Macroeconomic Foundations-1	Walras's Law and the concept of Keynesian liquidity preference	15	IM
Unit4.2:	Concepts of MEC and MEI,Jorgenson's neo- classical	10	AC

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Macroeconomic Foundations 1	theory, and Samuelson's Multiplier- accelerator model		

Core Course -IV Mathematical Methods for Economics-II
Course Code: CC4

Programme	B.Sc HONS Economics
Course Code	Course Name
CC4	Mathematical Methods for Economics- II
Year and Semester	1st year 2nd Semester
Prerequisite Course	Mathematical Methods for Economics- I
Course Objective	To enable students with advanced mathematical methods and tools to analyse applied economic issues.

SL No	Content:	Lecture Hours	Faculty
Unit1: Functions of several variables	Do partial differentiation and use hessian matrix for optimization	10	AS
Unit 2.1 : Multivariable optimization - linear constrained optimization	Solve optimization problems using Lagrangian function	15	AS
Unit 2.2 : Multivariable optimization - constrained optimization with inequality	Handle inequality constraint using Kuhn tucker condition	5	AS
Unit 2.3 : Multivariable optimization- linear	Optimize linear equation using linear programming and dual problem	10	SRC

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programming			
Unit 3: Difference Equation	Solve first order and second order difference equation and interpret economics use	10	SRC
Unit 4: Differential Equation	Solve first order and second order differential equation and economic application	10	SRC

Semester –III (July to December)

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Core Course -V Intermediate Microeconomics-I

Course Code: CC5

Programme	B.Sc HONS Economics
Course Code	Course Name
CC5	Intermediate Microeconomics 1
Year and Semester	2nd year 3rd semester
Prerequisite Course	Introductory Microeconomics
Course Objective	To understand the workings of microeconomic models and policies in detail

SL No	Content:	Lecture Hours	Faculty
Unit 1: Theory of Consumer Behaviour and Application	Understand the concept of intertemporal choice and revealed preference. Decide how to make choice under uncertainty	10	AS
Unit 2.1 : Productions	How production decision regarding input choice and out level is made under short-run and long-run	5	AS
Unit 2.2 : Costs	Understand and establish relation amongst total, average and marginal values. Construct cost curves under short run and long run production	10	AS
Unit 3: The firm and the Perfect market structure	Understand the concept of market and how perfectly competitive market operates	15	AS
Unit 4.1 Input market and perfect competition	Understand theory of marginal productivity theory	10	SRC
Unit 4.2 Input market and perfect competition	Understand labour market	10	SRC

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Core Course -VI Intermediate Macroeconomics-I
Course Code: CC6

Programme	B.Sc HONS Economics
Course Code	Course Name
CC6	Intermediate Macroeconomics-I
Year and Semester	2nd Year, 3rd Semester
Prerequisite Course	Introductory Macroeconomics
Course Objective	Understanding the classroom tools for analysing the impact of different macroeconomic policies.

SL No	Content:	Lecture Hours	Faculty
Unit 1- Income Determination in the Short-run (Part-II) : The IS-LM Model1	Understand the role of IS-LM framework as a classroom tool to analyse the impacts of different government policies.	10	IM
Unit 2- Aggregate Demand and Aggregate Supply- the Complete Keynesian Model	Role of labour market along with goods and money market in Complete Keynesian model.	5	IM
Unit 3- Keynes vs. Classics	Comparison between Keynesian and Classical concepts	5	IM
Unit 4- Money Supply, Monetary Policy and Government Budgetary Operations	Understanding the concept of money supply and its constituents. Balance sheet view of money supply. Different multipliers and their relevance in the context of high powered money and money supply. Interest sensitivity of money supply.	10	SL
Unit 5	Concept of inflation, role of wage	10	SL

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Inflation, Unemployment and Expectations	price spiral in sustaining inflation. Causes of inflation.		
Unit 5.1	Inflation unemployment trade off , Phillips curve, long run and short run.	10	SL
Unit 5.2	Explanation of short run upward sloping aggregate supply curve and long run vertical supply curve. Role of adaptive and rational expectation. Concepts of sacrifice ratio and policy ineffectiveness.	10	

Economics Core Course –VII: Statistics for Economics
Course Code: CC7

Programme	B.Sc HONS Economics
Course Code	Course Name
CC7	STATISTICS FOR ECONOMICS
Year and Semester	2ND YEAR 3RD SEMESTER
Prerequisite Course	NIL
Course Objective	Learn and apply the tools and techniques of statistics for effective decision making

SL No	Content:	Lecture Hours	Faculty
1. Introduction and Overview	Use various statistical data analysis tools that can be used for effective decision making.	10	AS
2. Descriptive	Present the data through graphical and tabular	10	SKR

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Statistics	methods, learn and use the various descriptive statistics tools and techniques.		
3. Elementary Probability Theory 10 lecture hours	Understand and use the concepts of probability, discrete and continuous Probability distribution to solve analytical problems.	10	SKR
4. Probability Distributions 18 lecture hours	Apply the different sampling methods for designing and selecting a sample from a population.	10	AS
5. Sampling 14 lecture hours	Learn Point estimation- properties of a good estimator, Basic principles of Ordinary Least Square, Maximum Likelihood Method, Method of Moments. Interval estimation.	10	AS
6. Statistical inference	Learn the concept and perform test of hypothesis, apply test results on larger scale to population in general.	10	SKR

Skill Enhancement Course-I: Data analysis

Course Code: SEC A1

Programme	B.Sc HONS Economics
Course Code	Course Name
SEC A1	Data analysis
Year and Semester	2nd Year, 3rd Semester
Prerequisite Course	Basic class 12 Statistics
Course Objective	Students will acquire knowledge about different

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Programme	B.Sc HONS Economics
	sources of data both national and international. Also will be able to understand the implication and application of those in the context of theories and models of economics.

SL No	Content:	Lecture Hours	Faculty
Unit 1	Know different sources of secondary data, their collection. Knowing census and sampling methods. Representation of data Concept of software and its use in handling data.	15	SL
Unit 2	Concept of National Account Statistics, Industrial Statistics, NSSO,PLFS, Hand Books of Statistics on Indian Economy	15	SL

Skill Enhancement Course-I: Rural Development
Course Code: SEC A2

Programme	B.Sc HONS Economics
SEC-A2	Rural Development
Year and Semester	2nd year, 3rd semester
Prerequisite Course	None
Course Objective	Students will acquire knowledge about rural development and different government policies about rural development.

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SL No	Content:	Lecture Hours	faculty
Unit-1;Aspects of Rural Development	The basic ideas about the role of the agricultural sector, non-farm and NGOs in rural development	10	SHM
Unit-2 Panchayats and Rural Development	This unit analysed the planning and working process of a three-tier panchayat system in rural development	10	SHM
Unit-3 Rural Credit and Self Help Groups(SHGs)	This unit briefly explains the role of micro-credit and SHGs in rural development	10	SHM
Unit-4 Critical Evaluation of Selected Government Programmes and Rural Development	This unit analysed the different type's government policies and their relevance in the context of rural development in the country	10	SHM

Semester –IV (January to June)

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Core Course- VIII: Intermediate Microeconomics II

Course Code: CC8

Programme	B.Sc HONS Economics
Course Code	Course Name
CC8	Intermediate Microeconomics II
Year and Semester	2nd year 4th Semester
Prerequisite Course	Intermediate Microeconomics 1
Course Objective	Students will be able to understand Microeconomic theory and can apply policies in models

SL No	Content:	Lecture Hours	Faculty
Unit 1.1 Monopoly: Different aspects	Apprehend the features and sources of Monopoly, short and long-run equilibrium, Social cost of Monopoly, Degree of Monopoly power.	10	IM
Unit1.2 Monopoly Pricing with market power	Apprehend different degree of price discrimination.	5	SRC
Unit1.3 Monopolistic Competition	Apprehend short Run and Long Run equilibrium of Monopolistic Competition, Excess Capacity	5	SRC
Unit 1.4.1 Non collusive Oligopoly	Apprehend features of Oligopoly ,Cournot Model Stackelberg Model, Bertrand Model.	10	SRC
Unit 1.4.2 Oligopoly: Price Leadership	Apprehend Sweezy Model, Price Leadership Model	10	SRC
Unit 1.4.3 Nash Equilibrium with respect to	Apprehend Nash Equilibrium with respect to different models.	5	SRC

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different oligopoly models			
Unit2 Input Market Under Imperfect Competetion	Apprehend different theories of Factor Pricing, different type of exploitations in factor market.	5	IM
Unit3.1 General Equilibrium and Economic Efficiency	Apprehend different efficiency conditions under Welfare Economics .Grand Utility Possibility Frontier	5	IM
Unit 3.2 Market Failure	Apprehend reasons for market failure	5	IM
Unit3.3 Asymmetric information and Moral Hazard .	Apprehend Moral Hazard and Asymmetric information.	5	IM

Core Course- IX: Intermediate Macroeconomics II
Course Code: CC9

Programme	B.Sc HONS Economics
Course Code	Course Name
CC9	Intermediate Macroeconomics II
Year and Semester	4th Sem, 2nd year
Prerequisite Course	Intermediate Macroeconomics I
Course Objective	Students will be able to understand gradual development in the theories of output and employment determination. The way economic variables respond to the changes in the policies. Evaluation of the demand for money and consumption theory and growth models.

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SL No	Content	Lecture Hours	Faculty
Unit 1.1	Understand concepts of New Classical tenantes, role of real and nominal shocks and their relevance in business cycle. Role of rational expectation in policy effectiveness.	10	SL
Unit 1.2	Understanding real and nominal wage rigidity as explanation of unemployment. 'Role of Efficiency wage theory' and 'Credit rationing' in explaining involuntary employment.	10	IM
Unit 2	Role of regressive expectation in determining demand for money.	10	IM
Unit 3	Revisit Keynesian consumption theory. understanding post Keynesian developments of consumption function in solving Kuznet's consumption puzzle.	10	SL
Unit 4	Understanding neoclassical, Keynesian and endogenous growth models.	20	IM/SL

Core Course-X: Introductory Econometrics
Course Code: CC10

Programme	B.Sc HONS Economics
Course Code	Course Name
CC10	Introductory Econometrics
Year and Semester	2nd year , 4th semester
Prerequisite Course	Statistics, mathematics
Course Objective	Develop basic knowledge of the statistical foundations of regression analysis with Ordinary Least Square and perform analyses of economic data based on knowledge of the linear regression model.

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SL No	Content:	Lecture Hours	Faculty
Unit 1.　Nature and Scope of Econometrics	Perform analyses of economic data based on a broad knowledge of the linear regression model.	5	AS
Unit 1.　Classical Linear Regression Model (Simple linear regression and multiple linear regression): part 1	Develop basic knowledge of the statistical foundations of regression analysis with Ordinary Least Square.	10	SKR
Unit 3　Classical Linear Regression Model (Simple linear regression and multiple linear regression): part 2	Develop knowledge of hypothesis testing	10	AS
Unit 4.　Statistical inference in linear regression model	Detect and treat violations of OLS assumptions, multicollinearity, heteroscedasticity, and auto-correlation.	10	SKR
Unit 5.　Violations of Classical Assumptions	Develop the skills of estimation and testing with OLS, Reporting and interpreting regression results.	10	SKR
Unit 6:1. Specification Analysis	Familiar with the concepts of specification bias-omitted variables ,inclusion of irrelevant variables.	5	SKR

Skill Enhancement Course-II: Research Methodology

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Course Code: SEC 1B

Programme	B.Sc HONS Economics
Course Code	Course Name
SEC 1B	Research Methodology
Year and Semester	2nd Year,4th semester
Prerequisite Course	Data Analysis
Course Objective	Develop basic knowledge regarding preparing research paper.

SL No	Content:	Lecture Hours	Faculty
Unit 1 Locating basic issues, Designing the sampling frame, Data entry, Presentation of data.	Designing the sample frame. Drawing random sample Understanding data entry technique after field survey. Presentation of the data.	10	SRC
Unit 2.1: Theoretical and empirical research in Economics	. Acquiring knowledge on how to do research- both theoretical and practical.	10	SRC
Unit 2.2: Empirical research work & Theoretical research work.	Framing testable hypothesis and role of statistical inference in empirical research. Illustrations: Theoretical research.	10	SRC
Unit 2.3: Writing and presentation of research paper.	Understanding article writing. Acquiring knowledge on how to write a dissertation. Concepts of keywords JEL classification and power point.	10	SRC

Skill Enhancement Course-II: Managerial Economics

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Course Code: SEC 2B

Programme	B.Sc HONS Economics
Course Code	Course Name
SEC 2B	Managerial Economics
Year and Semester	2nd Year, 4th semester
Prerequisite Course	Introductory Microeconomics, Intermediate Microeconomics I
Course Objective	Developing basic knowledge on supply side of the economy from the perspective of managerial economics

SL No	Content:	Lecture Hours	Faculty
Unit 1 Demand, Cost and Profit Analysis	Demand forecasting, Cost Volume Profit analysis. Cost estimation, importance of these concepts in managerial decision making.	10	SL
Unit 2 Pricing Policies and practices	Pricing policies, Factors governing prices, price discounts and differentials, price forecasting.	10	SL
Unit 3 Capital Budgeting	Concept of capital budgeting, need for capital budgeting, different steps in capital budgeting, Capital budgeting appraisal methods – payback method, accounting rate of return method, net present value method, interest rate of return method, benefit cost ratio method. Capital rationing, alternative methods of financing 10investments	10	SL
Unit 4 Cost of capital	Concept related to corporate finance- Cost of debt capital, cost of share capital, cost of equity capital, cost of retained earnings	10	SL
Unit 5 Inventory Management	Inventory costs, concepts of average inventory, various inventory models- economic order quantity, optimum number of orders per year, optimum number of days supply per order.	10	SL

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Semester –V (July to December)

Core Course –XI: International Economics
Course Code: CC11

Programme	B.Sc HONS Economics
Course Code	Course Name
CC11	International Economics
Year and Semester	3rd Year, 5th Semester
Prerequisite Course	Intermediate Microeconomics I, Intermediate Macroeconomics I
Course Objective	Understand the basis of International Trade. Concept of Classical, Neoclassical Trade theory, partial and general equilibrium analysis.

SL No	Content:	Lecture Hours	Faculty
Unit1: Absolute and Comparative advantages of Trade	Understand Adam Smith's Absolute advantage and David Ricardo's Comparative advantages of trade	10	IM
Unit2: Building Blocks of Trade Theory	The building blocks of trade theory including trade indifference curves, offer curves, GFT theorem	10	IM
Unit3: Factor Endowment and Trade	Heckscher-Ohlin Theorem, Factor Price Equalization theorem, Leontief Paradox	10	IM
Unit4: Application of Neo-classical Trade models for developing countries	Jones(1965) and Jones(1971)models for developing countries	10	IM
Unit5: Trade Policy	Partial and General equilibrium analysis of tariff including discussion on effects on large and	10	IM

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	small country		
Unit6: Open Economy Macroeconomics and Balance of Payments	Open Economy Macroeconomics with Foreign trade Multiplier and Balance of Payments using IS-LM model.	10	IM

Core Course –XII: Indian Economy

Course Code: CC12

Programme	B.Sc HONS Economics
Course Code	Course Name
CC12	Indian Economy
Year and Semester	3rd Year semester 5
Prerequisite Course	none
Course Objective	To get an overall scenario about the economic condition of India

SL No	Content:	Lecture Hours	Faculty
Unit 1: Economic development science independence	Understand the basic concepts of economic development in the country since independence	15	SRC
Unit 2: Population and human development	Understand the actual scenario of the population pressure, human capital and demographic dividend in India.	15	SRC
Unit 3: Growth and distribution	This unit analyzed and discusses the trends	15	SHM

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	and nature of GDP, per capita income, poverty and inequality in the country.		
Unit 4: Economic reforms in India	Understand the relevance of LPG in India during 1991	15	SHM

Discipline Specific Elective (DSE) Courses: Applied Econometrics (AE)
Course Code- DSE-A1

Programme	B.Sc HONS Economics
Course Code	Course Name
DSE-A1	Applied Econometrics (AE)
Year and Semester	3rd year semester 5
Prerequisite Course	Econometrics, statistics
Course Objective	Understand the basic steps in empirical research , use econometric models in empirical research,be familiar with the basic commands in Stata / R ,develop the knowledge on analysing cross section,time series,panel data using STATA/R

SL No	Content:	Lecture Hours	Faculty
Unit 1. Steps in empirical research	Understand the basic steps in empirical research , use econometric models in empirical research	10	AS
Unit 1. 1 Steps in empirical research	Familiar with the basic commands in Stata / R .	10	SRC
Unit 1. 2. Regression	Test the Regression Diagnostics and	10	SRC

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Diagnostics and Specification	Specification, deal with the problems of misspecification, incorrect functional forms, Learn Model selection techniques		
Unit1 2. Regression Diagnostics and Specification	Learn Cross section analysis – Linear regression model (using survey data like NSSO with Stata /R)	10	SRC
Unit 3. Application of Regression Analysis	Understand time series analysis, estimating linear trend (by using NAS with Stata / R)	10	AS
Unit 3. Application of Regression Analysis	Develop knowledge on panel data analysis (Application with Indian Official Statistics using Stata / R)	10	AS

Discipline Specific Elective (DSE) Courses: Economic History of India (1857-1957) (EHI)

Course Code- DSE-A1

Programme	B.Sc HONS Economics
Course Code	Course Name
DSE-A1	Economic History of India (1857-1957)
Year and Semester	3rd year,5th semester
Prerequisite Course	Nil
Course Objective	Knowledge about Impact of British Rule in India and Aspects of Economic Policies in British India

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SL No	Content:	Lecture Hours	Faculty
Unit1: Impact of British Rule in India	Understand the effects of deindustrialization during British Rule In India	10	AC
Unit 2: Impact of British Rule in India	Effects of commercialization of agriculture in India, food scarcity, process of economic drain of wealth from India to Britain during British Rule	10	AC
Unit3: Aspects of Economic policies in British India	Effects of land policy and the policy of discriminating protection by the Britishers in India	10	AC
Unit4: Aspects of Economic policies in British India	Early Industrial development and introduction of Managing Agency System	10	AC
Unit5: Aspects of Economic policies in British India	Evolution of money from the gold standard	10	AC
Unit6: Aspects of Economic policies in British India	Effects of development of railways by Britishers in India	10	AC

Discipline Specific Elective (DSE) Courses: Comparative Economic Development (1850- 1950) (CED)

Course Code- DSE-B1

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Programme	B.Sc HONS Economics
Course Code	Course Name
DSE-B1	Comparative Economic Development
Year and Semester	3rd Year,5th semester
Prerequisite Course	Nil
Course Objective	Develop basic knowledge on history of economic development.

Lesson plan

SL No	Content:	Lecture Hours	Faculty
Unit 1.1: Laissez -Faire Free Trade	Understanding Laissez Faire	10	SHM
Unit 1.2: Soviet Union	Understanding industrialization in the Soviet Union.	10	SHM
Unit 2.1: Success Stories of East	Understanding Success Stories of Japan, South East Asia and China	10	SRC
Unit2.2 : Latin America	Crisis and Failure of Latin America	10	SRC
Unit 2.3 : Africa	Crisis and Failure of Africa	10	SHM

Discipline Specific Elective (DSE) Courses: Financial Economics (FE)
Course Code- DSE-B1

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Programme	B.Sc HONS Economics
Course Code	Course Name
DSE-B1	Financial Economics
Year and Semester	3rd Year,5th Semester
Prerequisite Course	Managerial Economics
Course Objective	Develop the knowledge on financial market and instruments and their applications.

SL No	Content:	Lecture Hours	Faculty
Unit 1.1: Deterministic cash flow streams.	Understanding different concepts of interest rate, concept of present and future value, concept of NPV and IRR,spot -forward rate.	10	SL
Unit 1.2: Single period random cash flow.	Understanding portfolio mean and variance, mean-variance portfolio analysis, Markowitz model, one and two fund theorem.	10	SL
Unit1.3: CAPM	Understanding of capital market line security market line use of	10	SL
Unit2.1: Forward and Future derivatives.	Understanding of Forward ,Future contract	10	SRC
Unit 2.2: Options Arbitrage and Valuations.	Understanding ,Option contract, Option trading strategies, Arbitrage, Binomial tree model , Risk neutral valuation.	10	SRC
Unit3: Pattern of Corporate Financing. Modigliani-Miller Model.	Understanding instruments of corporate financing, Capital Structure, Cost of Capital, Corporate debt ,Dividend policy, Modigliani-Miller Theorem.	10	SL

Semester –VI (January to June)

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Core Course-XIII:Public Economics

Course Code: CC13

Programme	B.Sc HONS Economics
Course Code	Course Name
CC13	Public Economics
Year and Semester	3rd Year, 6th Semester
Prerequisite Course	Introductory Microeconomics, Intermediate Microeconomics I, Introductory Macroeconomics I
Course Objective	Understand the role of the Public sector in developing the economy. Impact of taxes- Partial and General equilibrium analysis.

SL No	Content:	Lecture Hours	Faculty
Unit 1 Government in a Market Economy	Understanding the concept of Market failure and externality. Importance of Government intervention in this regard. Role public expenditure in any developing economy.	15	SDG
Unit 2 Choice and Public Economics	Acquiring knowledge on public goods and their importance in contemporary economies. Understanding the process of optimal provisioning of public good . The concept of Lindahl and Voting equilibrium.	15	SDG
Unit 3 The Revenue and Expenditure of the Government	Concept of canons of taxation, classification of taxes. Basis of taxation -Benefit, Sacrifice and Ability to pay. Effect of different tax policies on income distribution, work effort and saving. Comparison of direct and indirect tax in the context of substitution and income effect.	15	SL
Unit 4 Public Finance	Classification of government expenditure and different budget deficits. Role of debt in economic development. Understanding relevance of tax and debt financed expenditures -Ricardian	15	SL

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	equivalence. Understanding the federal finance system of India. The concept of horizontal and vertical devolution. Acquiring knowledge about 14th and 15th Finance Commission.		

Core Course-XIV: Development Economics
Course Code: CC14

Programme	B.Sc HONS Economics
CC14	Development Economics
Year and Semester	3rd year, 6th semester
Prerequisite Course	Macroeconomics
Course Objective	Knowledge about the development strategy for economic development of India as well as outside of the India i.e., world economy.

SL No	Content:	Lecture Hours	Faculty
Unit 1 Meaning of Economic Development	Income Approach and Capability Approach Construction and interpretation of HDI; international variations in development measures; comparing development trajectories across nations and within them. Dependency school of development, where one can acquire knowledge on the concepts of growth and development	10	SHM
Unit II 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. Vicious Circle of Poverty Hypothesis. One can acquire knowledge of inequality and development and the different measures of inequality.	10	SHM

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Unit III Dual Economy Models	Acquiring knowledge on surplus labour and disguised unemployment and also transformation of the society	10	SHM
Unit IV Population Growth and Economic Development	Acquiring knowledge on different aspects of demography and different models of population growth and economic development	10	SHM
Unit V Development Strategies	Acquire knowledge to distinguish between balanced and unbalanced growth theories and on the selection of techniques of production	10	SHM
Unit VI Political Institutions and the State	Acquiring knowledge on political institutions and determinants of democracy	10	SHM

Discipline Specific Elective (DSE) Courses: Money and Financial Markets (MFM)

Course Code: DSE-A(1)

Programme	B.Sc HONS Economics
Course Code	Course Name
DSE-A(1)	Money and Financial Market
Year and Semester	3rd Year,6th Semester
Prerequisite Course	Financial Economics
Course Objective	Develop the knowledge regarding money market and financial market in India.

SL No	Content:	Lecture Hours	Faculty
Unit 1:	Acquiring an overview of financial management	10	SRC

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Introduction to money and banking	in reference to different concepts of money supply.		
Unit 2: Financial institution, instruments and innovations.	Understanding the financial crisis. Role of financial derivatives and other innovations. How does banks perform 'leveraging mechanism' as special institutions.	10	AC
Unit 3: Interest rate behaviour in financial market.	Concept of interest rate. Understanding the reasons for interest differential and term structure of interest rate.	10	SRC
Unit 4: Banking System.	Acquiring knowledge on the portfolio management and balance-sheet concept of banking systems in economies with special reference to India.	10	AC
Unit 5: Central Banking and Monetary policies.	Acquiring knowledge on contemporary monetary policy and the role of central banks in monetary policies.	10	AC

Discipline Specific Elective (DSE) Courses: Issues in Indian Economy (IIE)
Course Code: DSE-A(2)

Programme	B.Sc HONS Economics
Course Code	Course Name
ECO-A-DSE-6-A(2)-TH	Issues in Indian Economy
Year and Semester	3rd Year,6th Semester
Prerequisite Course	Indian Economics
Course Objective	Acquiring knowledge on the trends of Indian economy on a special insight about various macroeconomics policy.

SL No	Content:	Lecture Hours	Faculty
Unit I	Acquiring knowledge on the trends in national income and	10	SDG

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	per capita along with the structural composition			
Unit II	Acquiring knowledge on different macroeconomic policies and their impacts	10	SDG	
Unit III	8 Acquiring knowledge on the agrarian structure of the country like, Growth; productivity; agrarian structure and technology, capital formation. Agricultural marketing. Food security and food policy. Pricing and procurement. WTO and Indian agriculture	10	AC	
Unit IV	Acquiring knowledge on the output and employment of the industrial sector	10	AC	
Unit V	Acquiring knowledge on trends and performance in different sectors of the economy	10	AC	

Discipline Specific Elective (DSE) Courses: Environmental Economics (EE)

Course Code: DSE-B(1)

Programme	B.Sc HONS Economics
Course Code	Course Name
DSE-B(1)	Environmental Economics
Year and Semester	3rd year 6th semester
Prerequisite Course	nil
Course Objective	Develop basic knowledge of environmental economics. Learn the review of microeconomics and welfare economics apply the knowledge of environmental economics.

SL No	Content:	Lecture Hours	Faculty

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			SL
Unit 1. Introduction	Develop basic knowledge of environmental economics. Learn the review of microeconomics and welfare economics. Also learn the Interlinkages between the economy and environment	10	SL
Unit 2. Efficiency and Market Failure	Recap the basic knowledge on pareto optimality, market failure in the presence of externalities ,Learn Property rights and the Coase theorem and their applications, Public goods/ bads and market failure	10	SL
Unit 3. The Design and Implementation of Environmental Policy	Learn and use the design and Implementation of Environmental Policy ,Pigouvian Fees – Single Polluter, Multiple Polluters, Fees vs Subsidies, Regulating Pollution : Command and Control, Economic Incentives, The Basic Theory of Tradeable Pollution Permits	10	SL
Unit 4. International Environmental Problems	Be aware of International Environmental Problems :Transboundary Pollution–Transboundary Pollution as a problem of international externalities, International Trade and Environment – Pollution Havens, International Environmental Agreements – Basic idea about Montreal and Kyoto Protocol and Talks on Climate Change	10	SL
Unit 5. Measuring the values of Environmental Costs and Benefits	Develop knowledge on measuring the values of Environmental Costs and Benefits : Concepts of Willingness to pay (WTP) and Willingness to accept compensation (WTAC), Difference between the two concepts, Direct and Indirect Methods of Valuation – Contingent Ealuation, Travel Cost, hedonic Pricing – basic concepts only (no econometric techniques) – when they should be used, what are the advantages and disadvantages of these methods.	10	SKR

Discipline Specific Elective (DSE) Courses: Issues in Development Economics (IDE)

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Course Code: DSE-B(2)

Programme	B.Sc HONS Economics
Course Code	Course Name
ECO-A-DSE-6-B(2)	Issues in Development Economics (IDE)
Year and Semester	6th Semester
Prerequisite Course	Development Economics
Course Objective	Acquiring knowledge to to gain insight regarding the development of Indian Economics

SL No	Content:	Lecture Hours	Faculty
Unit I	Acquiring knowledge on the issues of demography and economic development like Demographic concepts; birth and death rates, age structure, fertility and mortality. Demographic transitions during the process of development; gender bias in preferences and outcomes and evidence on unequal treatment within households. Connections between income, mortality, fertility choices and human capital accumulation. Migration	10	SHM
Unit II	Acquiring knowledge on the contractual relationship between land labour and credit markets	10	SHM
Unit III	Acquiring knowledge about individual and collective behaviour in social environments like Individual behaviour in social environments. Multiple social equilibria. Governance in organisations and in communities. Individual responses to organisational inefficiency.	10	SHM
Unit IV	Acquiring knowledge about issues relating to environment and sustainable development	10	SHM
Unit V	Acquiring knowledge on the idea of globalisation from a historical perspective and the study of India in this context	10	SHM

B.Sc General

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GE 1

Programme	B.Sc General Economics
Course Code:	Course Name
GE -1	Introductory Microeconomics
Year and Semester	Semester1
Prerequisite Course	NA
Course Objective	Basic Understanding of Economics

SL No	Content:	Lecture Hours	Faculty
Unit I Exploring the subject matter of Economics:-	Understand the need to study economics, scope and method of economics; the economic problem: scarcity and choice	10	AC
Unit II Supply and Demand: How Markets Work, Markets and Welfare	Understand the determinants of individual demand/supply; demand/supply schedule and demand/supply curve; law of demand and law of supply; market versus individual demand/supply;types of elasticity of demand - elasticity and its application; consumer surplus; producer surplus and the efficiency of the markets.	10	AC
Unit III The Households	Understand the concepts of Cardinal utility and Ordinal utility.	10	SDG
Unit IV The Firm and Perfect Market Structure	Understand the production function of a firm; total product, average product and marginal product; concept of isoquant ; returns to scale; behaviour of profit maximizing firms and the production process; the cost structure.	10	AC
Unit V Imperfect Market Structure	Understand the Monopoly equilibrium- differences with perfect competition. Basic ideas of price-discriminating monopolist	10	AC

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Unit VI Input Markets	Understand the labour market - basic concepts - derived demand, productivity of an input; marginal productivity of labour, marginal revenue product); the land market- concepts of rent and quasi rent.	10	AC

GE 2

Programme	B.Sc General Economics
Course Code	Course Name:
GE2	Introductory Macroeconomics
Year and Semester	Semester-II
Prerequisite Course	NA
Course Objective	Understanding of basic macro economics

SL No	Content:	Lecture Hours	Faculty
Unit I	Understand the basic concept of national income, measurements of national income and circular flow.	10	AC
Unit II	Acquiring knowledge on the consumption function, saving function, determination of equilibrium level of income and investment multiplier.	10	AC
Unit III	Acquiring knowledge about Say's Law, quantity theory of money, classical theory of income and employment determination.	10	AC
Unit IV	Understand the different components of money supply, high powered money, credit creation multiplier, different monetary policies, different money demand components, liquidity preference theory.	10	SHM
Unit V	Acquiring knowledge about inflation, unemployment, phillips curve, different fiscal and monetary policies to control inflation and money supply.	10	SHM
Unit VI	Acquiring knowledge about concepts of absolute advantage, comparative advantage, arguments for free trade, arguments for	10	SHM

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	protection, balance of payments accounting, equilibrium and disequilibrium in balance of payments, devaluation and the role of Marshall-Lerner condition.		

GE 3

Programme	B.Sc General Economics
Course Code	Course Name:
GE3	Issues in Economic Development and India
Year and Semester	Semester-III
Prerequisite Course	NA
Course Objective	Understanding of Indian Economic Development Perspective

SL No	Content:	Lecture Hours	Faculty
Unit I	Understanding basic concept and meaning of growth and development with special emphasis on human, education and health sectors in India under different policy regimes	10	SDG
Unit II	Analysing the basic issues of poverty and inequality and their alleviation measures in India	10	SDG
Unit III	Remembering and analysing the concept of surplus labour and disguised unemployment using Lewis model and understanding development strategies	10	SDG
Unit IV	Understanding the functions and role of different international organization and analysing their relationship with India	10	SDG

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