

Lesson plan of Economics Department for the session 2023-24, Odd and Even semesters.

This Lesson plan has been presented in the following sequence:

1. Prof Sandipan Das (HOD)
2. Dr. Saswati Ghosh
3. Prof Partha Sarkar
4. Dr. Souri Maitra
5. DR. Pamela Paul

1. Prof Sandipan Das

Odd Semester				
Academic session	Semester	Topics covered	Number of lectures	Examination
July 2023 to December 2023	SEM 1 (Hons)	Unit 2: Utility Theory		April, 2024
	<i>Economics Core Course I: ECON-H-CC1-1-Th Microeconomics (I)</i>	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,	3	
		Unit 5: Market Sensitivity and Elasticity		
		5.1 Importance of Elasticity in Choice-Decisions	1	
		5.2 Method of Calculation- Arc Elasticity, Point Elasticity- definition	1	
		5.3 Demand and supply Elasticities-types of elasticity and factors affecting elasticity, Demand Elasticity and Revenue, Long run and Short run elasticities of Demand and Supply	2	
		5.4 Income and Cross Price Elasticity	2	
		5.5 Applications: Case studies – OPEC and Oil Price	1	

		Unit 4-Integration of functions		
		4.1 Integration of different types of functions	4	
		4.2 Methods of Substitution and integration by parts.	2	
		4.3 Applications in economics-	2	

		obtaining total from the marginal		
	<p>SEM 3 (Hons) <i>Intermediate Microeconomics I</i> ECO-A-CC-3-5-TH-TU</p> <p>Statistical Methods for Economics ECO-A-CC-3-7-TH-TU</p> <p>Data Analysis ECO-A-SEC-3-A(1)-TH</p>	<p>Unit 4 :Input Market in Perfect Competition 4.1 Basic concepts- derived demand, productivity of an input, marginal product of an input, marginal revenue product 4.2 Marginal productivity theory of distribution 4.3 Labour market-supply of labour, competitive labour markets 4.4 Land markets and rent</p> <p>Unit 4-Probability Distributions 4.1 Random variable(discrete and continuous) 4.2 Probability distributions (pmf, pdf. Distribution functions) 4.3 Expected values of random variables (mean,variance, raw moment, central moment, moment generating functions) 4.4 Properties of commonly used discrete and continuous distributions:</p> <p>Unit 5-Sampling 5.1Principal steps in a sample survey (concepts of population, sample, parameter, statistic) Methods of sampling Sampling distribution of sample mean and sample proportion</p> <p>Unit 1 - Collection andrepresentation of data 1.3 The basics of data management in Stata / R / Eviews / SPSS / MS Excel</p>	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>1</p> <p>4</p> <p>6</p> <p>2</p> <p>3</p> <p>5</p> <p>3</p>	<p>February,2024</p>
	<p>SEM 5 (Hons) <i>International Economics</i> ECO-A-CC-5-11-TH-TU</p>	<p>Unit1 Absolute and Comparative Advantages of Trade 1.1Adam Smith’s theory of absolute advantage. 1.2David Ricardo’s theory of comparative advantage. 1.3Arbitrage as the basis and direction of trade;fundamental</p>	<p>1</p> <p>1</p> <p>2</p>	<p>January,2024</p>

		<p>sources of cross-country price differences and arbitrage-concept of comparative advantage; externalities, regulation and perverse comparative advantage.</p> <p>1.4 One factor economy, production possibility frontier, relative demand and relative supply, terms of trade, trade in the Ricardian world, determination of intermediate TOT, complete vs incomplete specialization, complete specialization and gains from trade.</p> <p>Unit 2 The Building Blocks of Trade Theory</p> <p>2.1 The concept of community indifference curve-Justification and properties. 1</p> <p>2.2 The need for trade indifference curves, derivation of trade indifference curves, properties of trade indifference map, Offer curves and its properties. Three important elasticities- the elasticity of offer curves, the elasticity of demand for imports, the elasticity of supply of exports. International equilibrium and offer curves, terms of trade (TOT) and stability, the Marshall-Lerner condition, 7</p> <p>2.3 Gains from Trade (GFT) theorem, illustration of GFT, decomposition of GFT, substitution possibilities and magnitude of GFT. 2</p> <p>2.4 Production structure for neo-classical trade models, role of constant returns to scale, the concept of unit isoquants, duality in the production structure, significance of the envelope condition in trade Models. 2</p>		
	<i>Financial</i>	Unit 1 Investment Theory and		

	<i>Economics ECO-A-DSE-5- B(1)-TH-TU</i>	Portfolio Analysis 1.1 Deterministic cash-flow streams: Basic theory of interest; discounting and present value; internal rate of return; evaluation criteria; fixed-income securities; bond prices and yields; interest rate sensitivity and duration; immunisation; the term structure of interest rates; yield curves; spot rates and forward rates.		
	SEM 1 (Gen) <i>Economics Core Course I: ECON-MD-CC1-1-Th Microeconomics (I)</i> <i>Economics Core Course II: ECON-MD-CC2-2-Th Macroeconomics (I)</i>	Unit 2: Utility Theory 20 lecture hours Unit 5: Market Sensitivity and Elasticity Unit 2. Income Determination in the Short Run (Part-I): The Simple Keynesian Model in a Closed Economy Unit 4. The Classical system	14 7 8 8	April, 2024
	SEM 3 (Gen) <i>Issues in Economic Development and India ECO-G-CC-3-3-TH-TU/ECO-GE-3-3-TH-TU</i>	Unit 4:International Organizations and Economic Development 4.1Functions of IMF and World Bank and their roles in economicdevelopment 4.2The World Trade Organization(WTO) and its functions. India and the WTO	6 6	February, 2024

Even Semester

Academic session	Semester	Topics covered	Number of lectures	Examination
January 2024 to June2024	SEM 2 (Hons) <i>Skill Enhancement Course (ECON-H-SEC2-2-P) Introductory Statistics and Applications (II)</i>	Group B (Practical):Unit 2. Topics under worksheet Program: (Microsoft Excel) 2.1 Concept on Data Frame 2.1.1 Data Entry and Formatting 2.1.2 Variables & Observations 2.2 Frequency Analysis and Data Visualization: 2.1.3 Data Validation and Conditional Formatting 2.1.4 Data Sorting and Filtering 2.1.5 Basic Formulas and Functions 2.1.6 Importing and	 2 2 2 2 1 2 2	August, 2024

		Exporting Data 2.2 Frequency Analysis and Data Visualization: 2.2.1 Raw Data to Group Data 2.2.2 Different type so Frequency Table 2.2.3 Different Types of Tabulation 2.2.4 Different Types of Frequency 2.2.5 Customization of Graphs Frame	 2 2 2 2 1	
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	<p>SEM 4 (Hons)</p> <p><i>Intermediate Macroeconomics II</i> ECO-A-CC-4-9-TH-TU</p> <p><i>Introductory Econometrics</i> ECO-A-CC-4-10-TH-TU</p>	<p>Unit 2 Macroeconomic Foundations -II 2.1 Consumption: Keynesian consumption function; Fisher's theory of optimal intertemporal choice; life-cycle and permanent income hypotheses; Dusenberry's relative income hypothesis; rational expectations and random-walk of consumption expenditure. 2.2 Demand for money: Regressive Expectations and Tobin's portfolio choice models; Baumol's inventory theoretic money demand.</p> <p>Unit 3- Classical Linear Regression Model (Simple linear regression and multiple linear regression): part 2 3.1 Properties of the Least Squares Estimators (BLUE) in SLRM- Gauss-Markov theorem 3.2 Qualitative (dummy) independent variables – intercept dummy and slope dummy (only interpretation of the model) 3.2. Forecasting - Ex-post forecast and Ex-ante forecast, forecast error (only for two variable model)</p>	<p>8</p> <p>8</p> <p>3</p> <p>2</p> <p>2</p>	<p>July, 2024</p>

	<p>SEM 6 (Hons)</p> <p><i>Development Economics</i> ECO-A-CC-6-14-TH-TU</p> <p><i>DSE B(2) Issues in Development Economics</i> ECO-A-DSE-6-B(2)-TH-TU</p>	<p>Unit 5 Development Strategies</p> <p>5.1 Balanced vs. Unbalanced Growth Theories 4</p> <p>5.2 Choice of Techniques 4</p> <p>Unit 6 Political Institutions and the State</p> <p>6.1 Definition of institutions, Evolution of Political and Economic Institutions. 2</p> <p>6.2 The determinants of democracy 1</p> <p>6.3 Alternative institutional trajectories and their relationship with economic performance. 3</p> <p>6.4 Within-country differences in the functioning of state institutions. State ownership and regulation. Government failures and corruption. 2</p> <p>Unit 3 - Individuals, Communities and Collective Outcomes</p> <p>3.1 Individual behavior in social environments 2</p> <p>3.2 Multiple social equilibria 3</p> <p>3.3 Governance in organizations and in communities 2</p> <p>3.4 Individual responses to organizational inefficiency 3</p> <p>Unit 5 – Globalization</p> <p>5.1 Globalization in historical perspective 2</p> <p>5.2 the economics and politics of multilateral agreements 2</p> <p>5.3 Trade, production patterns and world inequality 3</p> <p>5.4 Financial instability in a globalized world 1</p> <p>5.5 India in the context of global economy 2</p>		<p>June, 2024</p>
	<p>SEM 2 (Gen)</p> <p><i>Economics Core Course II: ECON-MD-CC2-2-Tu Macroeconomics (I)</i></p>	<p>Unit2:Income Determination in the Short Run (Part-I): The Simple Keynesian Model in a Closed Economy 10</p> <p>Unit 3: Basic theory of Investment 2</p> <p>Unit4:The Classical system 8</p>		<p>August ,24</p>



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2. Dr. Saswati Ghosh

Odd Semester				
Academic session	Semester	Topics covered	Number of lectures	Examination
July 2023 to December 2024	SEM 1 (Hons) Introductory Microeconomics ECO-A-CC-1-1-TH-TU	Unit 1: Exploring the subject matter of Economics 1.1 Scope and Method 1.2 Principles 1.3 Interdependence and gains from trade Unit 4: Market and Adjustments 4.1 The Evolution of Market Economies, Price System and the Invisible Hand 4.2 The Decision-takers - households, firms and central authorities 4.3 The Concepts of Markets	1 2 2 1 2 1	April, 2023

	<p>SEM 3 (Hons)</p> <p><i>Intermediate Microeconomics</i> ECO-A-CC-3-5-TH-TU</p> <p><i>Statistical Methods for Economics</i> ECO-A-CC-3-7-TH-TU</p>	<p>Unit 3 Firm and the Perfect market structure</p> <p>3.1 Organisation firms and profit maximisation 1 3.2 Marginal revenue, MC and profit maximisation 1 3.3 Perfect Competition and equilibrium, firm and industry 6 3.4 Producers' and Consumers' surplus, Government intervention and effects on Perfect competition 6</p> <p>Unit 1 Introduction and overview 1.1 subject matter, population and sample etc 1 1.2 Representation of data 1 1.3 Frequency Distribution 3</p> <p>Unit 2 Descriptive Statistics 2.2 Dispersion 4 2.3 Moments skewness kurtosis 2 2.4 Correlation and Regression 4</p>		<p>February, 2024</p>
	<p>Sem 5 (Hons)</p> <p><i>Indian Economy</i> ECO-A-CC-5-12-TH-TU</p> <p><i>DSE A(1) Economic History of India (1857-1947)</i></p>	<p>Unit 2 Population and Human Development</p> <p>2.1 Demographic trends and issues 4 2.2 Education and Health 6</p> <p>Unit 3 Growth and Distribution</p> <p>3.1 GDP and per capita GDP 4 3.2 Growth poverty and inequality 5 3.3 Youth Unemployment 1 3.4 Policy perspectives 3</p> <p>Unit 2 Apects of Economic policies in British India</p> <p>2.1 Land policy 8 2.2 Discriminating Protection 4 2.3 Managing Agency System 6 2.4 Currency and Monetary policy 6 2.5 Infrastructure: Railways 6</p>		<p>January, 2024</p>
	<p>SEM 1 (Gen)</p>			

	<i>Interdisciplinary Course (IDC) Elementary Economics (ECON-H-IDC-1/2/3-Th)</i>	Unit3. Elementary Economic Development Concepts Unit 4 Elementary Concepts of Indian Economics	4 4	April, 2024
	<i>Economics Core Course II: ECON-MD-CC2-2-Th Macroeconomics (I)</i>	Unit 1: Exploring the subject matter of Economics Unit 4: Market and Adjustments	3 4	
	<i>Economics Core Course II: ECON-MD-CC2-2-Tu Macroeconomics (I)</i>	Unit1:National Income Accounting Unit 3. Basic theory of Investment Unit 5. Inflation	8 2 5	
	<i>SEM 3 (Gen) Issues in Economic Development and India ECO-G-CC-3-3-TH-TU/ECO-GE-3-3-TH-TU</i>	Unit 1 Meaning of Economic Development:Growth vs Development, Growth and development of Indian economy, different policy regimes Unit 2 Poverty inequality and development:measurement and policies	18 14	February, 2024
	<i>Sem 5 (Gen) Elementary Rural Development ECO-G-SEC-3-1A-TH/ECO-G-SEC-5-2A-TH</i>	Unit 1 Basic issues Unit 2 Rural Credit and self help groups Unit 3 Selected Government Programmes	9 9 3	

Even Semester

Academic session	Semester	Topics covered	Number of lectures	Examination
January 2024 to June 2024	<i>SEM2(Hons) Economics Core Course II: ECON-H-CC2-2-Th/ ECON-H-CC2-4-Th Macroeconomics (I)</i>	Unit4 The Classical system 4.1 Basic ideas of Classical Macroeconomics; Say 's Law and Quantity Theory of Money 4.2 Loanable fund theory 4.3 The Classical Theory of Income and Employment determination 4.4 Full Employment and wage-price flexibility; Neutrality of Money 4.5 Classical Dichotomy (Basic Concept). Unit 4 Inflation 5.1 Concepts and types - Inflationary Gap, Demand pull vs. Cost push inflation 5.2 Anti-inflationary policy	2 2 2 2 1 3	August, 2024

			3 5	
	SEM4(Hons)	<i>Unit 1 Imperfect Market Structure</i>		July, 2024
	Intermediate Microeconomics ECO-A-CC-4-8- TH-TU	1.4 Monopolistic Competition Unit 3 General Equilibrium, Efficiency and Welfare 3.3 Markets with asymmetric information, adverse selection, moral hazards	7 6	
	Intermediate Macroeconomics ECO-A-CC-4-9- TH-TU	Unit 3 3.2 Solow model 3.3 Technological Progress 3.4 Endogenous growth	8 6 4	
	SEC 2 Research Methodology ECO-A-SEC-4- B(2)-TH	Unit 1 Methodological issues 1 1.1 Basic Issues 1.2 Sample design 1.3 Questionnaire preparation 1.5 Data Entry and field Survey 1.6 Tables and graphs	1 1 1 1 3	
		Unit 2 methodological Issues 2 2.1 Theoretical and empirical research 2.2 Ideal research paper 2.3 illustration of empirical research: Role of	1 2 2	

		statistical inference 2.4 Illustration of theoretical research 2.5 Footnotes and endnotes 2.6 Bibliography, reference and citation 2.7 writing abstract 2.8 Presentation of the research paper	2 1 1 1 1	
	SEM6(Hons) <i>Public Economics</i> ECO-A-CC-6-13-TH-TU <i>Development Economics</i> ECO-A-CC-6-14-TH-TU <i>DSE B(2) ISSUES IN Development Economics</i> ECO-A-DSE-6-B(2)-TH-TU	Unit 1 Government in a market economy 1.1 Market failure 1.2 Government Intervention 1.3 Public expenditure Unit 2 Choice and Public Economics 2.1 Characteristics of Pure Public Goods, private goods, merit goods 2.3 Lindahl Solution Unit 3 Revenue and expenditure of the Government 3.1 Classification and canons of taxation 3.2 Benefit, ability to pay, equal sacrifice principle 3.3 incidence and burden of taxes 3.5 Laffer curve 3.6 Comparison between direct and indirect taxes Unit 4 Population Growth and Economic Development 4.1 Basic concepts 4.2 Demographic transition theory 4.3 Cost of children and externality 4.4 Low level equilibrium trap: Nelson and Leibenstein Unit 1 Demography and development 1.1 Demographic concepts 1.2 Demographic transition 1.3 Connection between income, mortality, fertility choices and human capital 1.4 Migration	3 3 3 4 2 1 4 2 1 2 1 2 1 2 1 2 2 3	June, 2024
	SEM2(Gen) <i>Economics Core Course II:</i> ECON-MD-CC2-2-Tu <i>Macroeconomics (I)</i>	Unit 1.National Income Accounting 1.1 Macroeconomic data- Basic concepts of National Income accounting. The circular flow (three sector). 1.2 Concepts of GNP, GDP, NNP, and NDP at market price and at factor cost- Real and Nominal, -Implicit deflator. 1.3 The measurement of National Income. The problem of double counting. 1.4 The role of Government. Concepts of Corporate Income, Corporate Savings, Personal Income, Personal Disposable Income and Personal Savings. 1.5 Saving-Investment gap and its relation with budget deficit and trade surplus. National	1 2 2 2 2	August, 2024

		Income accounting and cost of living. Unit 5 inflation 5.1 Concepts and types - Inflationary Gap, Demand pull vs. Cost push inflation 5.2 Anti-inflationary policy	2 2	
	<i>Interdisciplinary Course (IDC) Elementary Economics (ECON-MD-IDC1-1-Th/ ECON-MD-IDC2-2-Th/ ECON-MD-IDC3-3-Th)</i>	Unit 3:Elementary Economic Development Concepts: Unit4: Elementary Concepts of Indian Economics:	4 4	
	SEM 4(Gen) <i>Indian Economic Policies ECO-G-CC-4-4-TH-TU/ECO-GE-4-4-TH-TU</i>	Unit 3 Policies and Performance of Industry unit 4 Policies and performance of Indian Foreign Trade	14 8	July ,2024

	SEM6(Gen) <i>DSE B(2)</i> <i>Public Finance</i> <i>ECO-G-DSE-6-2B-TH-TU</i> <i>SEC B(2)</i> <i>Entrepreneurship and Development</i> <i>ECO-G-SEC-4-1B-TH/ECO-G-SEC-6-2B-TH</i>	Unit 1 Theory of Public Finance Unit 1 Basic issues of Entrepreneurship and Development Unit 2 Financial Resources for new ventures	28 6 4	June, 2024
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3. Prof Partha Sarkar

Odd Semester

Academic session	Semester	Topics covered	Number of lectures	Examination
July 2023 to December 2023	SEM 1 (Hons) Skill Enhancement Course (ECON-H-SEC1-1-Th) Introductory Statistics and Applications (I)	Unit 1: Introduction and Overview 1.1 Subject matter of Statistics 1.2 Basic Steps in Statistical Methods – Collection, Presentation and Analysis of Data	4 4	April, 2024

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	<p><i>SEM 3 (Hons)</i></p> <p>Intermediate Macroeconomics-I</p> <p>ECO-A-CC-3-6-TH-TU</p>	<p>Unit 4: Money Supply, Monetary Policy and Government Budgetary Operations</p> <ul style="list-style-type: none"> • Measures of money supply with special reference to India (M1,M2, M3 and M4) 1 • Balance sheet view of money supplied by the banking sector as a whole 1 • High powered money –definition 1 • Balance sheet of Reserve Bank of India and High powered money 1 • Balance sheet of Commercial banks and basic ideas of money multiplier theory. 2 • Deposit multiplier, currency multiplier, reserve multiplier, credit multiplier and money multiplier in the context of the theory of money supply 1 • Interest sensitivity of money supply and the slope of the LM curve. 1 • Monetary policy – Open Market Operations, Statutory Liquidity Ratio, Bank rate, variable reserve ratio, repo rate. 1 • Government Budget Deficit and Deficit Financing-Indian illustration. Deficit financing and monetary policy. <p>Unit 5: Inflation, Unemployment and Expectations</p> <ul style="list-style-type: none"> • The concept of Inflationary Gap. 1 • Demand pull vs. Cost push inflation 1 • Mark-up inflation 1 • The concept of stagflation 1 • Central Bank’s role in controlling inflation: Monetary policy. 1 • Inflation and unemployment trade-off. 1 • Four models of aggregate supply: The Sticky-Wage Model, The Worker-Misperception Model, 3 	<p>February, 2024</p>
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The Imperfect Information Model and The Sticky-

Price Model.

- Deriving the Phillips Curve from Aggregate Supply Curve.
- Short run and long- run Phillips curve – role of adaptive expectations and rational expectations.
- Disinflation, Sacrifice Ratio and policy ineffectiveness.

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2

	<p>SEM 5 (Hons)</p> <p><i>International Economics</i></p> <p><i>ECO-A-CC-XI- TH-TU</i></p> <p><i>Financial Economics [FE]</i></p> <p><i>ECO-A-DSE-5- B(1)-TH-TU</i></p>	<p>Unit 5: Trade Policy</p> <ul style="list-style-type: none"> • Partial Equilibrium Analysis of Tariff - cost– benefit, Quota, Quota- Tariff equivalence & non-equivalence, monopoly effects of quota, subsidy and voluntary export restraint. • General Equilibrium Analysis- distinction between large and small economy, welfare effects of a tariff on small country and large country. Tariff ridden offer curve, Tariff war, Optimum tariff for large economy, Metzler’s Paradox. <p>Unit 6: Open Economy Macroeconomics and Balance of Payments</p> <ul style="list-style-type: none"> • Determination of equilibrium income in openeconomy. Foreign Trade Multiplier with & without repercussion effects. • Balance of Payment accounts in an open economy. Autonomous and accommodating transactions. • Fixed & Flexible Exchange Rates: adjustment of demand and supply of Foreign Exchange, Effect of devaluation, The Mundel-Fleming Model (IS LM BP model). <p>Unit 2. Options and Derivatives</p> <ul style="list-style-type: none"> • Introduction to derivatives and options; forward and futures contracts; options; other derivatives; forward and future prices; stock index futures; interest rate futures; the use of futures for hedging; duration-based hedging strategies; option markets; call and put options; factors affecting option prices; put-call parity; option trading strategies: spreads; straddles; strips and straps; strangles; the principle of arbitrage; discrete processes 	<p>3</p> <p>5</p> <p>3</p> <p>3</p> <p>4</p> <p>4</p> <p>4</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p>	<p>January, 2024</p>

and the binomial tree model; risk- neutral valuation.

3. Corporate Finance

- Patterns of corporate financing: common stock; debt; preferences; convertibles;

Capital structure and the cost of capital; corporatedebt and dividend policy; the Modigliani- Miller theorem.

	<p>SEM 1(Gen)</p> <p><i>Economics Core Course I: ECON-MD-CC1-1-Th Microeconomics (I)</i></p>	<p>Unit 3: Demand and Supply: How Markets Work</p> <p>3.1 Elementary theory of Demand: Factors influencing household demand and market demand, the demand curve, movement along and shift of the demand curve</p> <p>3.2 Elementary theory of Supply: factors influencing supply, the supply curve, movement along and shift of the supply curve</p> <p>3.3 The Elementary theory of market price: Determination of equilibrium price in a competitive market</p>	<p>2</p> <p>3</p> <p>2</p>	<p>April,2024</p>
	<p>SEM 5 (Gen)</p> <p><i>Money and Banking (MB)</i></p> <p><i>ECO-G-DSE-5-1A/2A-TH-TU</i></p>	<p>Unit 1: Money Supply and Banking System with reference to India</p> <p>Definition of money supply in the Indian context(M1, M2, M3 and M4) , Balance sheet of the</p> <p>banking sector and accounting of money supply;</p> <p>balance sheet of the Reserve Bank of India and the</p> <p>accounting interpretation of High powered money;</p> <p>definition of high powered money;</p> <p>the money multiplier theory and balance sheet of</p> <p>commercial banks, sterilization by Central Banks.</p> <p>Indian banking system-changing role and structure; Indian banking sector reforms.</p>	<p>3</p> <p>4</p> <p>4</p>	<p>January,2024</p>

Even Semester

<p>January 2024 to June 2024</p>	<p>SEM 2 (Hons) <i>Economics Core ECON-H-CC2-2-Th/ ECON-H-CC2-4-Th Macroeconomics (I)</i></p>	<p>Unit 1: National Income Accounting</p> <p>1.1. Macroeconomic data- Basic concepts of National Income accounting. The circular flow. 2</p> <p>1.2. Concepts of GNP, GDP, NNP, and NDP at market price and at factor cost. 2</p> <p>1.3. The measurement of National Income- Value Added Method and Expenditure Method. The problem of double counting. 2</p> <p>1.4. The role of Government. Concepts of Corporate Income, Corporate Savings, Personal Income, Personal Disposable Income and Personal Savings. 2</p> <p>1.5. Saving-Investment gap and its relation with budget deficit and trade surplus. National Income accounting and cost of living. 2</p> <p>.</p>	<p style="text-align: center;">4</p>	<p style="text-align: center;">August, 2024</p>
	<p>SEM 4 (Hons) <i>Intermediate Microeconomics II - ECO-A-CC-4-8-</i></p>	<p>Unit 1: Imperfect Market Structure</p> <p>1.4 Oligopoly- Oligopoly equilibrium as Nash equilibrium, Cournot, Bertrand and Stackelberg Model- use of isoprofit curves and simple game theoretic interpretation 4</p> <p>.</p>		

	TH-TU	Sweezy's kinked demand curve model and non-collusive equilibrium. Competition versus collusion- the Prisoners' Dilemma. Collusive Oligopoly –Cartels and Price Leadership.	3	
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	<p>SEM 6 (Hons)</p> <p>Public Economics ECO-A-CC-6-13-TH-TU</p> <p>Money and Financial Markets [MFM] ECO-A-DSE-6-A(2)-TH-TU</p>	<p>Unit 1: Government in a Market Economy</p> <ul style="list-style-type: none"> • 1.2 Government intervention; • 1.3 Public Expenditure for financing development <p>Unit 4 : Public Finance</p> <ul style="list-style-type: none"> • Meaning and Classification of Public Expenditure - government budget and its types, government expenditure and tax multipliers, balanced budget multiplier; • Meaning of Public Debt; Sources of Public Borrowings: internal and external borrowing; Effects of Public Debt. • Indian Public Finance – Fiscal Federalism in India <p>Unit1. Introduction to money and Money and Banking</p> <ul style="list-style-type: none"> • Concept, functions, measurement; theories of money supply determination. <p>Unit 2 : Financial Institutions, Markets, Instruments and Financial Innovations</p> <ul style="list-style-type: none"> • Role of financial markets and institutions; problem of asymmetric information – adverse selection and moral hazard; financial crises. • Money and capital markets: organization, structure and reforms in India; role of financial derivatives and other innovations. • Why banks are special Institutions? How banks act as a leveraging mechanism? <p>2. Land, Labor and Credit Markets</p> <ul style="list-style-type: none"> • The distribution of land ownership; land reform 	<p>3</p> <p>4</p> <p>5</p> <p>5</p> <p>4</p> <p>4</p> <p>4</p> <p>4</p> <p>4</p> <p>3</p>	<p>June, 2024</p>
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		and its effects on productivity	
		• Contractual relationships between tenants and landlords	3
	<i>DSE – B (2)- Issues in Development Economics</i>	• Land acquisition; nutrition and labor productivity	3
	<i>ECO-A-DSE-6-B (2)-TH-TU</i>	• Informational problems and credit contracts	2
		• Microfinance	
		• Inter- linkages between rural factor markets.	2

	SEM 4 (Gen)	Unit 1: Macroeconomic Policies and their Impact		July, 2024
	Indian Economic Policies ECO-G-CC-4-4-TH-TU/ ECO--GE-4-4-TH-TU	Fiscal Policy; trade and investment policy; financial and monetary policies; labour regulation.	5	
			4	
	SEM 6 (Gen)	Unit 2: Issues from Indian Public Finance		June, 2024
	Public Finance (PF) ECO-G-DSE-6-1B/2B-TH-TU	<ul style="list-style-type: none"> • Current Issues of India’s Tax System. • Working of Monetary and Fiscal Policies. • Analysis of Budget and Deficits • Fiscal Federalism in India • State and Local Finances 	4 4 5 5 5	

4. Dr. Souri Maitra

Odd Semester				
Academic session	Semester	Topics covered	Number of lectures	Examination
July 2023 to December 2023	SEM 1 (Hons)	Unit 3: Demand and Supply: How Markets Work		April, 2024
	Microeconomics(I) ECON-H-CC1-1-Th	3.1 Elementary theory of Demand	2	
		3.2 Elementary theory of Supply	2	
		3.3 The Elementary theory of market price	2	
SEM1 (Gen)	Interdisciplinary Course (IDC) Elementary Economics	Unit1:Elementary Microeconomic Concepts:		April, 2024

	<p>(ECON-H-IDC-1/2/3-Th)</p>	<p>1.1 Theory of Demand and Supply 2</p> <p>1.2 Elasticity of Demand and Supply 2</p> <p>1.3 Theory of Production and Cost 2</p> <p>1.4 Market--Different forms-TR, AR and MR 2</p> <p>Unit2:Elementary Macroeconomic Concepts:</p> <p>2.1 National Income Accounting 2</p> <p>2.2 Money and Banking- 2</p> <p>2.3 Inflation 2</p> <p>2.4 Fiscal Policy & Monetary Policy 2</p> <p>2.5 International Trade and contemporary issues 2</p> <p>1. Tabular and Graphical representation of Statistical Data 6</p> <p>2. Basic Descriptive Statistics and its role in Data Analysis 15</p> <p>3. Elements of Report writing 6</p>		
	<p>Skill Enhancement Course [Economics: MDC (A)]</p>			

	<p>SEM 3 (Hons) <i>Intermediate</i> Microeconomics ECO-A-CC-3-5- TH-TU</p>	<p>Unit 2: Production and Costs</p> <p>2.1 Technology – general concept of Production Function</p> <p>2.2 Types of production functions- Cobb-Douglas, fixed-coefficient and CES functions</p> <p>2.3 Cost structure</p>	<p>7</p> <p>4</p> <p>4</p>	<p>February, 2024</p>
	<p><i>Statistical</i> Methods for Economics ECO-A-CC-3-7- TH-TU</p>	<p>Unit. 2 .Descriptive Statistics</p> <p>2.1 Central Tendency Measures of central tendency(arithmetic mean, geometric mean, harmonic mean, median and mode, and their properties, Quartiles, Deciles and Percentiles)</p>	<p>5</p>	

	<p>Sem 5 (Hons)</p> <p><i>Indian Economy ECO-A-CC-5-12- TH-TU</i></p> <p><i>DSE A(1) Economic History of India (1857- 1947)</i></p>	<p>Unit.1. Economic</p> <p>Development since Independence</p> <p>1.1.Growth and development under different policy regimes</p> <p>1.2.Structural changes in the post-reforms period</p> <p>1.3. Regional variation of growth and development</p> <p>Unit.1. Impact of British rule on India</p> <p>1.1 Deindustrialization</p> <p>1.2 Commercialization of agriculture</p> <p>1.3 Economic Drain</p>	<p>6</p> <p>5</p> <p>4</p> <p>7</p> <p>6</p> <p>7</p>	<p>January, 2024</p>
Even Semester				
<p>January 2024 to June2024</p>	<p>SEM2(Hons)</p> <p><i>Economics Core Course II: ECON-H-CC2-2- Th/ ECON-H-CC2- 4-Th Macroeconomics (I)</i></p>	<p>Unit.2.Income Determination in the Short Run (Part-I)</p> <p>2.1 Consumption Function; the Keynesian Saving Function; stability of equilibrium; the concept of effective demand- the concept of demand-determined output</p> <p>2.2 Equilibrium Income determination in SKM; the Simple Keynesian Multiplier ; the paradox of thrift; the SKM in a Closed Economy with Government; Government expenditure and Tax</p> <p>2.3 Balanced Budget Multiplier</p> <p>Unit.3. Basic theory of Investment</p> <p>3.1 Investment function: Determinants of investment. - Concepts of Marginal productivity of capital</p> <p>3.2 Marginal efficiency of capital (MEC) and Marginal efficiency of investment (MEI).</p>	<p>3</p> <p>3</p> <p>3</p> <p>2</p> <p>1</p>	<p>August, 2024</p>

	<p>SEM4(Hons)</p> <p>Intermediate Microeconomics II ECO-A-CC-4-8-TH-TU</p> <p><i>Intermediate Macroeconomics II ECO-A-CC-4-9-TH-TU</i></p>	<p>Unit 1: Imperfect Market Structure</p> <p>Monopoly and barriers to entry</p> <p>Pricing with market power- first, second and third degree price discrimination, multiplant Monopoly</p> <p>Unit.1.Basic Tenets of New Classical and New Keynesian Theories</p> <p>New Classical Theory</p> <p>New Keynesian Theory</p>	<p>8</p> <p>7</p> <p>7</p> <p>7</p>	<p>July ,2024</p>
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	<p>SEM6(Hons) <i>Development Economics ECO-A-CC-6-14-TH-TU</i></p>	<p>Unit.1. Meaning of Economic Development 1.1. Income Approach and Capability Approach 3 1.2. Construction and interpretation of HDI 4 1.3. Dependency school of development 2 Unit.2. Poverty and Inequality 2.1. Inequality axioms 3 2.2. Gender Inequality 2 2.3. Poverty measurement 4 2.4. Vicious Circle of Poverty Hypothesis 2 Unit.3. Dual Economy Models 3.1.The concept of surplus labour and disguised unemployment 3 3.2.Peasants and Dualism with and without surplus labour 3 3.3.Interdependence of agriculture and Industry (Lewis model, Ranis-Fei model) 5 3.4.Rural-Urban Migration (Harris- Todaro model) 3</p>		<p>June, 2024</p>
	<p>SEM 2 (Gen) <i>Interdisciplinary Course (IDC) Elementary Economics (ECON-MD-IDC1-1-Th/ ECON-MD-IDC2-2-Th/ ECON-MD-IDC3-3-Th)</i></p>	<p>Unit1:Elementary Microeconomic Concepts 7 Unit2:Elementary Macroeconomic Concepts 7</p>		<p>August,2024</p>

5. Dr. Pamela Paul

Odd Semester				
Academic Session	Semester	Topics to be covered	No. of lectures	Examination
July 2023 to December 2023	SEM 1 (Hons) <i>Skill Enhancement Course (ECON-H-SEC1-1-Th) Introductory Statistics and Applications (I)</i>	Unit 2: Descriptive Statistics 2.1 Central Tendency 2.2 Dispersion 2.3 Skewness and Kurtosis 2.4 Bivariate Analysis	7 7 3 6	April, 2024

	<p>SEM 3 (Hons) <i>Statistical Methods for Economics</i> ECO-A-CC-VII-TH-TU</p>	<p>Unit 1: Introduction and Overview</p> <ul style="list-style-type: none"> <input type="checkbox"/> Subject-matter - the distinction between population and sample <input type="checkbox"/> Representation of data- graphical -line diagram, bardigram, pie chart and tabular method <input type="checkbox"/> Frequency Distribution <p>Unit 2: Descriptive Statistics</p> <ul style="list-style-type: none"> <input type="checkbox"/> Measures of central tendency (A.M,G.M, H.M, median and mode, and their properties, Quartiles, Deciles and Percentiles <input type="checkbox"/> Dispersion- range, quartile deviation, mean deviation, standard deviation, coefficient of variation, coefficient of mean deviation, coefficient of quartile deviation, Lorenz curve and Gini coefficient <input type="checkbox"/> Moments, Skewness and Kurtosis <input type="checkbox"/> Correlation and Regression 	<p>2</p> <p>4</p> <p>3</p> <p>4</p> <p>5</p> <p>2</p> <p>4</p>	<p>February, 2024</p>
	<p>SEC --A(1)-THData Analysis</p>	<p>Unit 1: Collection and Representation of Data</p> <p>Unit 2: Indian Official statistics</p>	<p>10</p> <p>5</p>	
	<p>Sem 5 (Hons) <i>International Economics</i> ECO- A-CC-XI-TH-TU</p>	<p>Unit 2: Factor Endowment and Trade (Heckscher- Ohlin-Samuelson Model)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Heckscher-Ohlin (HO)theorem and price vs physical definitions of relative factor abundance. Role of homotheticity of tastes in the context of physical definition <input type="checkbox"/> Factor Intensity Reversal in the context of price and Factor intensity ranking, one-to-one Samuelson theorem, Rybczyski theorem <input type="checkbox"/> The Factor Price Equalization Theorem. Factor price equalization and complete specialization. <input type="checkbox"/> Incomplete Specialization, Factor price 	<p>2</p> <p>6</p> <p>3</p>	<p>January , 2024</p>

	equalization and Factor Intensity Reversal	2	
	□ Empirical studies- Leontief Paradox.	1	
	Unit 4: Applications of Neo-classical Trade Models for developing countries		
	model for small open developing economies. Implications of Stolper-Samuelson and Rybczynski theorems-the price and output magnification effects.	5	

		□ Jones (1971) 3x2 specific-factor model. Implications of price magnification effects in specific factor model.	5	April 2024
	SEM 1 (Gen)	Unit 1: Exploring the subject	5	
	<i>Introductory Microeconomics ECO-G-CC-1-1-GE-1-1-TH-TU</i>	Unit 3: The matter of Economics Households Unit 6: Input Markets	20 10	
Even Semester				
January 2024 to July 2024	SEM 2 (Hons) <i>Skill Enhancement Course (ECON-H-SEC2-2-Th) Introductory Statistics and Applications (II)</i>	Group A (Theory) :1. Basic ideas of economic data 1.1 Types of data-cross section, time series, pooled data, panel data etc. 2 1.2 Nature of field survey data – types of cross section data 2 1.3 Advantages and disadvantages of field survey data 3 1.4 Importance of field survey data for economic analysis 2 1.5 Role of pilot survey 2 Group B (Practical): 2.3 Descriptive Statistics: (20 lecture hours) 2.3.1 Calculation of Mean, Median & Mode (Un-Grouped & Grouped Data) 3 2.3.2 Dispersion & Inequality Measures (Un-Grouped & Grouped Data) 2 2.3.3 Findings the Observations from different Descriptive Statistical Measures with Graphics (e.g.: Box Plot, Histogram, Lorenz Curve etc.) 2 2.3.4 Starter Diagram - Correlation Coefficient 2 2.3.5 Simple Regression (Two Variables) - Estimation of Predicted Value & Regression Residuals 2 2.3.6 Random Number Generation 2		August , 2024
	SEM 4 (Hons)			

Intermediate Microeconomics II- ECO-A-CC-4-8-TH-TU	Unit 2: Input market under Imperfect Competition Monopsony, bilateral monopoly in labour market	5	
Introductory Econometrics- ECO-A-CC-4-10-TH-TU	Unit 1:Nature and Scope of Econometrics 1.1 Distinction between Economic Model and Econometric model 1.2 Concept of stochastic relation, Role of random disturbance in econometric model 1.3 Types of data 1.4 Application of Econometrics in different branches of social science Unit 2:Classical Linear Regression Model (Simple linear regression and multiple linear regression):Part1 2.1 The classical assumptions (basic interpretation) 2.2 Concepts of population regression function and sample 2.3 Estimation of model by method of ordinary least squares (Derivation in simple linear model (SLRM) and multiple linear model (MLRM) with two regressors only) 2.4. Simple correlation, partial correlation and multiple correlation (Definition, and interpretation in the context of SLRM and MLRM) 2.5 Limitations of SLRM and additional complications in MLRM Unit 4:Statistical inference in linear regression model 4.1 Use of standard normal, chi ² , t, and F statistics in linear regression model 4.2 Testing hypothesis:Single test (t test and chi ² test) Joint	1 2 1 2 1 3 4 6 3 8 8	July, 2024

		test (F test) 4.3 Goodness of fit (in terms of R ² , adjusted R ² and F statistic), Analysis of Variance (ANOVA) 4.4 Statistical significance and economic importance	3 3	
	SEM 6 (Hons) <i>Public Economics</i> ECO-A-CC-13-TH-TU	Unit 2: Voting Equilibrium. Unit3: Effects of taxation on income distribution, work efforts, and on savings,	2 3	June, 2024
	DSE –B (2)-Issues in Development Economics ECO-A-DSE-6-B(2)-TH-TU	<input type="checkbox"/> The Laffer curve; <input type="checkbox"/> Comparison between direct and indirect taxes– income and substitution effects; Optimal Taxation	2 5	
		Unit 4: Environment and Sustainable Development <input type="checkbox"/> Defining sustainability for renewable resources <input type="checkbox"/> A brief history of environmental change;	2 3	
		<input type="checkbox"/> Common-pool resources; <input type="checkbox"/> Environmental externalities and state regulation of the environment; <input type="checkbox"/> Market based instruments, economic activity and climate change.	3 4 4	
	SEM 2 (Gen) <i>Skill Enhancement Course</i> <i>[Economics: MDC (A)]</i>	Unit1: Tabular and Graphical representation of Statistical Data Unit2: Basic Descriptive Statistics and its role in Data Analysis Unit3: Elements of Report writing	6 12 5	August, 2024
	SEM 4 (Gen) <i>Indian Economic Policies</i> ECO-G-CC-4, GE-4-4-TH-TU	Unit 4: Policies and Performance of Indian Foreign Trade	20	July, 2024
	SEM 6(Gen) SEC - B <i>Entrepreneurship and Development</i> tG-SEC-4-1B- Or ECO-G-SEC-6-	Unit 3: Growth strategies in small business Unit 4: Sickness in Small Business	8 6	June 2024

2B-TH