

TEACHING PLAN DEPARTMENT OF ECONOMICS JULY 2019 - JUNE 2020

GARGAON COLLEGE TEACHING PLAN

Course: B. A.

Session: Odd semester (July to December, 2019)

Subject: ECONOMICS

Name of the Teacher: DR. RIMJIM BORAH

Methods to be applied: Lecture, analytical and activity method, interaction and discussion.

Teaching Materials: Green Board, Chalk Pencil, Duster, Book, Journal, Newspaper,

Magazine, Periodicals, Laptop, Projector.

Paper Code/	Allotted	No. of Class	Detail of the topics to be taught	No. of
Title	Unit/ Topic	required	& class required	tutorials
1st Semester (Honours) (CBCS) Mathematical Methods for Economics – I ECNHC102	Unit: 3 Derivative of one real variable	15	 Differentiable functions: Properties [1] Derivative and slope of a curve [1] Geometric Interpretation of derivative [1] Rules of differentiation for a function with one independent variable [3] Economic Application of derivatives [3] Elasticity of demand [1] Cost and revenue functions [1] Relation between Average and Marginal costs [2] Second and higher order derivatives and application in Economics [2] 	3
	Unit: 4 Integration of Functions	15	 Indefinite Integrals: Rules of Integration [2] Techniques of Integration-Substitution rule [2] Integration by parts and partial fraction [2] Application to economic problems [3] Derivation of total functions from marginal functions [2] Definite Integrals [2] Properties of definite integrals Application in case of consumer's surplus and producers surplus [2] 	3

1st Semester (Generic) Introductory Microeconomics (ECNGE1) (CBCS)	Unit: 5 Input Markets	15	 Behaviour of profit maximizing firms and the production process [4] Short run cost and output decisions-Basic concepts, relationships [2] Output decisions: revenue, cost and profit maximisation [2] Costs and output in the long run-short – short run conditions and long run directions [2] Long run costs [2] Economies and diseconomies of scale [2] Long run adjustments to short run conditions [1] 	3
3 rd Semester (Major) (Non- CBCS)	Unit:1 Measures of Central Tendency and Dispersion	10	Measures of Central Tendency Measures of Dispersion Skewness and Kurtosis	3
Statistical Methods in Economics Paper: 3.02	Unit:4 Sampling	10	 Distinguish between sampling and census [1] Methods of Sampling [2] Hypothesis [2] Type I and Type II errors [2] Testing of Hypothesis [1] Chi-Square Test for Independence of Attributes [2] 	
3 rd Semester (Non- Major)	Nature and Scope of Public Finance	9	 Nature, Scope and subject matter of Public Finance [3] Public Finance & Private Finance [2] Role of Public Finance in developed and developing economy [2] Theory of maximum social advantage[2] 	2
5 th Semester (Major) (Non- CBCS) ECOM-503- History of Economic Thought	Unit1: 1 Pre-classical and Classical Economic Thought	10	 Basic Tenants of Mercantilism and Physiocracy [3] Contributions of- Adam Smith [2] David Ricardo, T.R. Malthus [2] J.B. Say [2] J.S Mill's Restatement of Classicism [1] 	2
8	Unit: 2 Reaction against Classicism:	10	 Positive and Critical Ideas of Historical School [] State Socialism[1] Ideas of – J.K Rodbertus [1] F. Lassalle [1] Scientific Socialism [1] 	2

	Unit: 3 Reconstruction of Economic Science	10	 Chief tenants of Marxian Thought Dialectical Materialism [1] The labour theory of value [1] Theory of surplus value [1] The law of concentration of capital [1] Marx and modern economics [1] Subjectivism and Marginalism [1] Factors giving rise to Subjectivism and Marginalism [1] Economic Ideas of Walras and Cael Menger [2] Neo Classicism, Contributions of- Alfred Marshal 	2
	Unit1: 4 Keynesian Economic Thought	10	 Knut Wicksell [2] Bohm Bawerk [2] Keynes Departure from Classical Economics [1] Salient Features of General Theory of Employment. Interest and Money [2] Theory of Employment [1] Theory of Prices [1] Keynes and International Economics [2] Keynes' influence on Public Policy [1] Keynesian Economics and underdeveloped Countries [1] Keynesianism Vs. Monetarism [1] 	2
	Unit1: 5 Indian Economic Thought	10	 Development of Indian Economic Thought [1] Economic Ideas of – Kautilya [2] D. Naoroji [2] M.Gandhi [2] D.R. Gasgil [2] Gyan Chand [2] 	2
5 th Semester (Non- Major) (Non- CBCS) Paper: 5.01	Unit: II Measurement of Central Tendency:	9	 Arithmetic Mean & Geometric Mean [3] Median [2] Mode [2] Comparative Merits and Demerits of Measures of Central Tendency [2] 	2

Elementary Statistics for Economics	Unit III: Measures of Dispersion	9	 Range [2] Inter-quartile Range [2] Quartile Deviation [2] Mean Deviation [1] Standard Deviation [2] 	1
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(Dr. Rimjim Borah)

Assistant Professor

Department of Economics Gargaon College

GARGAON COLLEGE TEACHING PLAN

Course: B. A.

Session: Even semester (January to June, 2020)

Subject: ECONOMICS

Name of the Teacher: DR. RIMJIM BORAH

Methods to be applied: Lecture, analytical and activity method, interaction and discussion.

Teaching Materials: Green Board, Chalk Pencil, Duster, Book, Journal, Newspaper,

Magazine, Periodicals, Laptop, Projector.

Paper Code/Title	Allotted Unit/ Topic	No. of Class required	Detail of the topics to be taught & class required	No. of tutorials
2nd Semester (CBCS) (Honours) Mathematical Methods for Economics – IIECNHC202	Unit: 2 Linear Algebra	15	 Systems of linear equations: properties of their solution [2] Matrices-elementary operations- matrix addition [2] Product [2] Rank of a matrix [2] Determinants and their properties [2] Inverse of a matrix [2] Application of Crammer's rule for solution of a system of linear equations [3] 	3
	Unit: 3 Derivations of functions of several Variable	20	 Derivatives of Functions of several variables: Partial and Total differentiation and economic applications [4] Indifference curve analysis; [2] Expansion Path [2] Production Function Analysis-Homogeneous Functions and Euler's Theorem; [4] Cobb-Douglas Production Function and its Properties; [4] CES Production Function and its properties [4] 	4

2 nd Semester	Unit:2	15	Income, Expenditure, product	3
(CBCS) (Generic Elective) Course Code: ECNGE2	Rules and approaches of Measurement of GDP		 and Value-added approaches [4] Difficulties of Estimating National Income [3] Circular Flow of Income and expenditure in two and four- sector economy [4] National income accounting for an open economy. [4] 	
4th Semester Major (Non-CBCS) Paper: 4.01 (Mathematics for Economics)	Unit II: Elements of matrix Algebra and Input- Output Analysis	10	 Definition of matrix [1] Addition, Subtraction and Multiplication of Matrices [1] Determinants and their properties [1] Rank of a matrix [1] Matrix Inversion [1] Rank of a matrix [1] Application of for Solution of a Simultaneous equations Crammer's rule [1] Input-Output Analysis-Assumptions and Limitations [1] Concepts of Static, Dynamic Open and closed inpiut-output model-Structure and solution of static model[1] Hawkins -Simon Conditions [1] 	
4 th Semester Non- Major (Non-CBCS) Paper: 4.01 (Issues of Indian Economy)	Unit III Industry and Tertiary Sectors in India	9	 Achievements and failures of Industrial Sector [1] Industrial Policy during post reform period [1] Performance of public sector undertakings and policy of disinvestments [1] Role of small scale and cottage industry [1] Structure and problems of tertiary sector [1] Banking [1] Transport [1] Communication [1] Education Information [1] 	2
6 th Semester Paper: 6.01	Unit: I Basic concepts	10	Technology Ecology [1] Environment and Economy [1] The Economy and Environment Linkages [1] Material Balance Model [1]	2

Environmental			Environment and development
Economics			[1]
ECNHDSE602		10	 Resource and Residuals [1] Environmental economics- Definition and evolution of the subject [1] Objectives and Issues [1] Environment as an economic and social asset [1] Environmental economics and Resource Economics [1]
	Unit: II Market Failure	10	 Concepts and common sources of market failure [1] Public goods-characteristics [1] Environmental Quality as Public Goods [1] Optimal Provision of public goods [1] Common Property Resources [1] Externalities- Negative and Positive [1] Environmental pollution as Negative Externality [1] Internalizing Externality through Government Intervention [1] Coase theorem [2]
	Unit: III Solution to the Environmental Problem	10	 The Command and Control Approach [2] The Incentive/Market based Methods [2] Emission Fee or Tax [2] Environmental Standard [1] Tradable Pollution Permit [1] Liability Law [1] Carbon Trading [1]
	Unit: IV Sustainable Development	10	 Concept, Notion of Sustainability [3] Strong and Weak Sustainability [2] Indicators of Sustainable development [3] Environmental Impact Assessment [2]
	Unit: V Global and Local Environmental Concern	10	 Environmental problems of the Developed and Developing Countries [2] Global Environmental problems [1] Global Warming [1] Ozone Layer depletion [1]

			 Loss of Bio-diversity [1] Environmental problems in Assam [1] Solid Waste Management [1] Deforestation [1] Watershed Management [1] 	
6 th Semester Paper: 6.01 (Development Economics)	Unit: III Human Resource Development and Manpower planning	10	 Population Growth and Quality of life [1] Health challenges faced by the developing countries including HIV, AIDS [1] Health and Productivity [1] Health Policy for the developing countries [1] Role of Education in Economic Development, education [1] Inequality and poverty [1] Unemployment and underemployment problems of developing countries [1] Manpower Planning [1] Brain Drain [1] 	2

(Dr. Rimjim Borah)

Assistant Professor

Department of Economics Gargaon College

GARGAON COLLEGE TEACHING PLAN

Course: B. A.

Session: Odd semester 2019

Subject: ECONOMICS

Name of the Teacher: NILUTPAL CHUTIA

Methods to be applied: Lecture, analytical and activity method, interaction and discussion.

Teaching Materials: Green Board, Chalk Pencil, Duster, Book, Journal, Newspaper,

Magazine, Periodicals, Laptop, Projector.

Paper Code/Title	Allotted Unit/ Topic	No. of Class required	Details of the topics to be taught & class required	No. of tutorials
Mathematical Methods for Economics – I ECNHC102 (CBCS)	i. Preliminaries Logic and proof techniques	8	 Logic and proof techniques [2] Number systems, intervals [1] Sets: types and set operations [3] Ordered pairs, Cartesian products, and relations [2] 	2
	ii. Functions of one real variable	10	 Functions and their properties and graphs; [2] Types of functions polynomial, rational, exponential, logarithmic; [2] Sequences and series: convergence, algebraic properties and applications; [2] Limit of a function; [2] Continuous functions: characterizations, properties with respect to various operations and applications [2] 	2
	ii. Differential Equations	15	 Linear first order differential equation with constant coefficient and constant term [6] Economic applications [9] 	2
ECNGE1 Introductory Microeconomic s	Unit V: Input Markets	6	 Labour and land markets - basic concepts (derived demand (1) Productivity of an input, marginal productivity of labour (1) Marginal revenue product); demand for labour; (1) 	2

302(M) Statistical Methods in Economics (Non-CBCS)	Unit II: Probability theory	10	 Input demand curves; shifts in input demand curves; (1) competitive labour markets; (1) labour markets and public policy.(1) Probability-Concepts of sample space & events(1), Addition theorem(2), Multiplication theorem(2), Condition of random variables(1) 	2
(Non-CBCs)			 variables(1), Mean & variance of a random variable(1), Binomial, Poisson& Normal distribution(3) 	
	III: Correlation and Regression	10	 Correlation: Karl Pearson & Spearman's methods (4) Simple Linear Regression(2), Method of Least Squares (1), Derivation of Normal Equation(2), Point Estimation of Parameters(1) 	2
301(NM) Public Economics (Non-CBCS)	III: Public Expenditure and Public Debt	9	 Public Expenditure- Meaning, Objectives, Types and Causes of growth of Public Expenditure, (2) Public and Merit Goods; (1) Effects of Public Expenditure on Production, Distribution and Employment (2) Public Debt- Meaning, Objectives and Importance of Public Debt (2) Burden of Public Debt (1) Repayment of Public Debt (1) 	1
504 (M) Monetary Theories and Financial Markets	Unit I: Demand for money and supply of money	4	 Theories of demand for money and supply of money (3), Measures of money supply in India (1) 	1
(Non-CBCS)	Unit II: Inflation and deflation	8	Inflation (2),deflation (2),	1

			 stagflation (1), Phillips curve (1), stabilization policies (2) 	
	Unit III: Business cycles	5	 Meaning and theories of business cycles- Hawtrey (2), Keynesian (1), Schumpeter (1), 	1
	Unit IV: Banking	5	 Cob-web theories (1) Banking- commercial banks (1), central bank (2), Rural banking (1), Non-banking financial intermediaries (1) 	1
	Unit V: Financial markets	8	 Financial markets- Meaning, role, functions of financial markets (1), Money Market (2), Capital market (2), Indian financial markets (1), Financial reforms in India (2) 	1
501(NM) Elementary Statistics for Economics	Unit III: Measures of dispersion	7	 Range, inter-quartile range (1) Quartile deviation, (2) Mean deviation, (2) Standard deviation. (2) 	1
(Non-CBCS)	Unit V: Interpolation	7	 Methods of Interpolation: Finite Difference Methods – Newton Forward, (3) Newton Gauss forward (2) Newton Gauss Backward methods (2) 	2

(Nilutpal Chutia)
Assistant Professor
Dept. of Economics

Gargaon College, Simaluguri TEACHING PLAN

Course: B. A.

Session: January-June (even-2020)

Subject: ECONOMICS

Name of the Teacher: NILUTPAL CHUTIA.

Methods to be applied: Lecture power point presentation, interaction and discussion. **Teaching Materials:** Green Board, Chalk Pencil, Duster, Book, Journal, Newspaper,

Magazine, Periodicals, Laptop, Projector, etc.

Paper	Allotted	Class	Detail Teaching Plan	No. of
	Unit / Topic	required		tutorials
ECNHC20	Unit I: Difference	6	• First order Difference equation (3)	3
2	equation:		• Economic Applications. (3)	
Mathemat	Unit IV:	10	• Unconstrained optimization with one	3
ical	Unconstrained		variable and Economic Applications;	
Methods	optimization:		(4)	
for			Unconstrained optimization with more	
Economics			than one variable and Economic	
–II			Applications- (3)	
(CBCS)			Discriminating Monopoly, (2)	
			Multiproduct monopoly. (1)	
	Unit V: Constrained	7	Constrained optimization with equality	3
	optimization with		constraints: Lagrange characterization using calculus (3);	
	equality		 Applications □ consumer's equilibrium 	
	constraints		(2)	
			• Producer's equilibrium (2)	
401(M)	Unit I. Sets and	10	• Sets and Set Operations (3)	3
Mathemat	Set Operations		• Venn Diagram, (1)	
ics for			• Cartesian Products of Sets (1),	
Economics			• Relations (1);	
			 Different forms of functions and their 	
			graphs (2)	
	Unit III.	08	<u> </u>	3
		Uð	• Concept of Differentiation, Geometric	3
	Differential		interpretation of differentiation(1)	
	Calculus and its		Basic rules of differentiation, Partial &	
	Economic		total differentiation(2),	
	Applications		• Applications of differentiation-	
			Elasticity of demand(1),	
			Applications of differentiation-Cost &	
			Revenue functions(2),	
			Relation between Average & Marginal	
			costs, (1),	

			• Indifference curve analysis(1),	
	Unit IV. Integral Calculus and its Economic Applications	08	 Integral calculus-idea(1), Integral calculus-Basic rules(1), Methods of integration- integration by Parts(1), Methods of integration- integration by Partial Fraction(1), Methods of integration- integration by Substitution(1), Applications to Economic problems(2), Derivation of total functions from marginal functions(1) 	3
	Unit V. Differential and Difference Equations	08	 First order Differential and Difference Equations (3) Simple applications (4); Cobweb theorem. (3) 	3
401(NM) Development Economics	Unit IV. Industry, trade and commerce in Assam	09	 Causes and consequences of slow pace of industrialization in Assam (3), Problems and prospects of small scale and cottage industries (3), Prospects of border trade with neighbouring countries (3). 	3
603(M) International Economics	Unit I. International Economics and trade theories	10	 International Economics-Importance, Subject matter(1), Adam Smith's Absolute Advantage theory(1), Ricardian Law of Comparative Advantage(2), Neoclassical trade models-Opportunity cost doctrine(1), Trade and returns to scale(1), Offer curve analysis(1), Reciprocal demand(1) Heckscher –Ohlin theorem(2) 	2
	Unit II. Terms of trade and gains from trade	10	 Terms of trade-meaning(1), Different concepts of terms of trade(2), Trade as an engine of growth(1), Distribution of gains from trade-Prebisch-Singer views on secular deterioration in the terms of trade(2), Myrdal's theory of backwash effect(2), Immiserising growth(2) 	2

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	Unit III:	10	• Even trade Vs. protective trade (1)	2
	International Trade	10	• Free trade Vs. protective trade (1),	2
	Policy		Methods of protection - Tariff and non-tariff	
	Folicy		barriers; (2)	
			Inward looking trade policy and outward	
			looking trade policy and their evaluation;	
			(1)	
			Globalization – Meaning and essential	
			conditions for globalization; (2)	
			Positive and negative effects of	
			globalization,	
			• Challenges of globalization; (1)	
			• International capital flows – Classification,	
			significance and limitations of foreign	
			capital,(2)	
			• Factors affecting international capital	
	II '- III -	10	movements.(1)	2
	Unit IV: Foreign	10	• Functions of foreign exchange markets; (1)	2
	Exchange Markets		Determination of equilibrium foreign	
	and Exchange		exchange rate,	
	Rates		Concepts of spot and forward foreign	
			exchange rates; (1)	
			Theories of exchange rate determination —	
			Mint parity theory; Purchasing power parity	
			theory,	
			Balance of payments theory; (3)	
			• Fixed and flexible exchange rate systems –	
			Case for and against fixed and flexible	
			exchange rate systems; (3)	
			Balance of trade and Balance of payments; Compared to the large of payments.	
			Components of balance of payments,	
			Factors causing balance of payment	
	Unit V: Evolution	10	disequilibrium (2)	2
	of International	10	Gold Standard, Inter-war period, Bretton Woods System Regulated floating standards	2
	Monetary System		Woods System, Regulated floating standard;	
	Wionetary System		(3)International Institutions: International	
			 International Institutions: International Monetary Fund (IMF)-Objectives, 	
			functions, achievements and failures; (3)	
			WTO – Objectives, major agreements and	
			impacts on developing countries with	
			special reference to India. (4)	
	Unit II: Theories of	9	Classical theory of Growth and Stagnation	2
601(NM) Development Economics	Economic		including Malthus's version (2),	2
)1(\) ppn nou	Development and		 Doctrines of Balanced Growth and 	
6(Jeo	Economic Growth:		Unbalanced Growth, (2)	
De J			• Rostow's Stages of Economic Growth, (2)	
			 Myrdal's theory of Circular Causation (2) 	
			 Critical evaluation of the theories (1) 	
			- Critical evaluation of the theories (1)	

(Nilutpal Chutia)