Lesson Plan for Course:Paper-5 **Marks :100**

- Course coordinator:EKBAL HOSSAIN
- **Course Outcome**

On successful completion of this course students will be able to:

1. Understand the basis of trade between nations of the world, the notion of terms of trade and how free trade can be mutually beneficial for the trading nations in terms of the Classical and Neo-Classical theories of trade by exploring the idea of comparative cost advantage .
2. Evaluate the relationship between country size and gains from trade and how trade affects distribution of factor income among the trading nations .
3. Be familiar with, and be able to critically analyze the main arguments for protection and be able to critically evaluate the relevance and realism of arguments for free trade, taking into account the costs and benefits of different trade policy measures like tariff, quota, voluntary export restraints, export subsidy etc. on economic welfare of the nation .
4. Explain how international flow of goods, services and capital affects foreign exchange reserve as well as foreign exchange rate of a nation and how expenditure adjustment and expenditure switching trade policies help a nation to achieve both internal and external balance.
5. Understand the role of state in a mixed economy
6. Be familiar with different principles of taxation of the government and its impact on saving, risk bearing and work effort of economic agents
7. Distinguish between different concepts of deficit in government budget and how public debt can impose burden on a society

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
July 2019	The concept of Production possibility curve (PPC) and community indifference curve– autarky equilibrium. Gains from trade and its decomposition into gains due to exchange and gains due to specialisation.	EH	6	
	Adam Smith and Absolute advantage theory of trade. David Ricardo and the theory of comparative advantage – The concept of opportunity cost, Derivation of PPC of trading nation with constant opportunity cost, Gains from trade; Determining the relative price of tradables after trade in terms of relative demands and relative supply curves, Derivation of world PPC, country size and gains from trade, limitations of the Ricardian model	EH	6	
	Offer curve – Definition, Derivation of offer curve, Determination of elasticity of offer curve at a point on offer curve.	EH	2	
Aug 2019	Determination of free trade Terms of Trade (TOT) in terms of offer curve (multiple equilibrium should be avoided), Concept of trade indifferent curve only, Ricardian offer curve (concept only).The basic	EH	6	

	assumptions of the model Factor abundance defined in physical terms and by factor price			
	Heckscher – Ohlin Theorem . A comparison of comparative advantage in the Ricardian and in the Heckscher-Ohlin Trade model.	EH	8	
	Factor price equalization theorem, Basic concept of factor intensity reversal.	EH	8	
Sept 2019	Empirical testing of H-O theorem : - Leontief paradox.	EH	8	
	Effect of tariff (import duty) and quota – some partial aspects. Tariff versus Quota and their equivalence.	EH	5	
	BOP accounting principles; Current and capital account transaction, Statistical discrepancy.	EH	8	
Oct 2019	Equilibrium and Disequilibrium in the BOP – autonomous and accommodating transactions.	EH	2	
Nov 2019	The determination of national income in an open economy - Foreign trade multiplier (with and without repercussion effect).	EH	12	
	Imports, Exports and foreign exchange market - demand – supply framework.	EH	9	
	Different types of exchange rate system, fixed and flexible (clean or managed float) exchange system. (Concepts only)	EH	2	
Dec 2019	The working of fixed and flexible exchange rate system with special reference to –(i) foreign exchange risk, (ii) Inflation.	EH	5	
	Concept of Internal and external balance - The swan diagram – Expenditure switching and expenditure adjustment policies.	EH	4	
	Marshall – Lerner condition for successful devaluation of home currency. (Statement and implication only, no rigorous proof is required).	EH	5	
Jan 2020	Economic Role of the State: Public goods and market failure, Distinction between private goods and public goods, Samuelson's solution for the optimal provision of public goods, Lindahl's Equilibrium for optimal tax sharing.	EH	8	
	Free of Government expenditure in defence, education, health, infrastructure, Justification.	EH	7	
	Principles of Taxation: Ability to pay and benefit approaches, Horizontal and vertical equity.	EH	8	
Feb 2020	Direct and indirect Taxation: Effect of Income tax on work effort, Saving and risk bearing, Incidence of sales and excise tax – excess burden of indirect taxation, value added tax.	EH	8	
	Public debt: Internal and external burden- Different concepts of deficit in Government's budget – Burden of internal public debt, Burden of public debt on future generation.	EH	8	
	External public debt, comparison of internal and external public debt.	EH	7	
March 2020	Revision	EH		Remedial classes
			Total:142	

For 1+1+1 System

Resources :

Books:

1) Caves, Frankel & Jones – World Trade and Payments (9th Edition)
ii) Salvatore – International Economics (8th Edition)
ii i) Krugman & Obstfeld: International Economics – Theory and Policy (8th Edition)
iv) Sodersten-International Economics (2nd Edition)
v) Musgrave & Musgrave – Public finance in theory & Practice [2004]
(vi) Due & Friedlaender – Govt. Finance (1997)
(vii) Maddala & Miller – Microeconomics
(viii) S.R. ChEHaborty – Microeconomics
(ix) Ambar Ghosh & Chandana Ghosh – The Economics of PublicSctor [2008]
(x) Ulbirch – Public finance (2004) (on justification of Govt. Exp.)

Lesson Plan for Course:Paper-6 **Marks:100**

- Course coordinator:Niladri Saha
- **Course Outcome**

After going through the course, the students will be able to:

1. Evaluate how the structure of Indian economy has changed in the planning era.
2. Understand the key economic issues related to Indian agriculture, industry, unemployment and poverty in both pre and post reform periods and their policy relevance.
3. Understand the rational and major objectives of India's Five Year Plans, how the emphasis of these objectives has changed over time and recent developments.
4. Examine the changes in the policies of the Government in pre and post reform periods in the fields of money and capita market, public economics and external sectors.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
July 2019	Structure of Indian Economy: Changes in the pattern of inter sectoral distribution of national income	NS	6	
	Agriculture: Farm size and productivity- controversial Indian experience.	NS	6	
	Marketable Surplus and Marketed Surplus of food grains, prices and acerage elasticity of Marketed Surplus.	NS	2	
Aug 2019	Different aspects of New Agricultural Strategy (Green Revolution)-output, employment and distribution of income & wealth.	NS	6	
	Land Reforms. Food security and government intervention in food grains.Problems of Institutional Credit in Indian agriculture. Impact of globalization inIndian agriculture.	NS	8	
	Growth and Stagnation in Indian Industries.	NS	8	

For 1+1+1 System

Sept 2019	State initiative in industrialization. Evaluation of Industrial policies including Licensing Policies,Role, Performances and Weaknesses of Public Sector Industries.	NS	8	
	New Industrial policy in the post- globalization era. Disinvestment Policy.	NS	5	
	Unemployment and Poverty: Nature and types of unemployment in India. Problems related to the measurement of Unemployment in India	NS	8	
Oct 2019	Problems related to female and child labour in India	NS	2	
Nov 2019	Poverty in India-Different estimates of poverty. Evaluation of different policies and programmes aiming at eradication of poverty.	NS	12	
	Money and Capital Market: Reserve Bank of India and Indian Money market.Monetary policies in recent years. Relation between Money Market and Capital Market in India.	NS	9	
	Nationalization of commercial Banks .	NS	2	
Dec 2019	Problems associated with Nationalized Banking Sector. Reforms in Monetary Sector and Capital Market in India.	NS	5	
	Indian Public Finance: Trends problems and Reforms. Central-State allocation of Financial Resources-Controversies	NS	4	
	Recommendation of different committees in resolving this controversy.	NS	5	
Jan 2020	External Sector- Composition, Direction, and Trend in Foreign Trade.	NS	8	
	Problems related to the Balance of Payments. EXIM Policies and other recent measures (such as convertibility of rupee) to improve BOP .	NS	7	
	Rationale of Planning and Mixed Economy.	NS	8	
Feb 2020	Five Year Plans- Objective,achievement and failure	NS	8	
	Financing of Five Year Plans	NS	8	
	Special focus on 2nd,7th and 9th plans.	NS	7	
March 2020	Revision			Remedial classes
Total			142	

Resources :

Books:

1. Poverty and Development. Pramit Chaudhuri
2. Contribution to India's Economic Analysis. Bhagwati & ChNSabarty
3. Some Problems of India's Economic Policy. Ed. By Charan Wadhva.
4. Development Planning; Indian Experiences, S. ChNSobarty.
5. Planning in India. Desai
6. Recent Development and Future Prospect: Ed. By Lucas & Papanek.
7. Employment, Technology & Development. A.K.Sen.
8. The Indian Economy: Bimal Jalan.
9. On Economic Liberalisation. Deepak Nayar.
10. Planning for Industrialisation. Bhagwati & Desai.
11. Political Economy of Indian Agriculture. Ashok Rudra.
12. Essays in Honour of Manmohan Singh. Montek S. Ahluwalia.

Other resources :

For 1+1+1 System

Lesson Plan for Course:Paper 7 **Marks:100**

- Course coordinator :Asok Kr Roy
- Course Outcome

After going through the course, the students will be able to:

1. Learn conception and definitions of various statistical terms, rules and theorems along with the application of various univariate probability distribution functions.
2. Gather experience how to select samples from a population.
3. Learn how to draw inferences about an unknown population with the help of sample observations.
4. After going through the course, the students will be able to
5. Know the application of the mathematical tools such as: integration, differential equation, difference equation, Cramer' rule, matrix inversion to the economic analysis.
6. Understand the economic interpretation of duality theorem.
7. Evaluate how economic agents optimize their goals while they are interdependent.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
July 2019	Elements of Probability Theory: Sample space & events, Meaning of probability, Classical definition,Addition rule, Multiplication rule, Theorems of total probability – Mutually and non-mutually exclusive events, Conditional and statistical independence.	GL	6	
	Limitations of the classical definition, An axiomatic approach, Bayes' formula,Random variables, Probability mass and density functions, Marginal and conditional distributions.	GL	6	
	Expectations and variances of random variables (for random sampling with or without replacements).	GL	2	
Aug 2019	Populations and sample, Parameter and statistic, Random sampling, Practical methods of drawing random samples, Random sampling measures.	GL	6	
	Sampling distribution of expectation and standard error.	GL	8	
	Basic concepts of Estimation, desirable properties of estimators, Unbiasedness, Minimum variance.	GL	8	
Sept 2019	Simple methods of point estimation, Confidence interval, Testing of hypothesis, P-value, Type 1 and Type 2 errors.	GL	8	
	Simple application of tests for mean and variance of a Univariate normal population.	GL	5	
	Meaning of partial and general equilibrium, Comparative static analysis using Cramer's rule.	GL	8	
Oct	Applications: Simple Keynesian and IS-LM models,	GL	2	

2019	Rybczynski theorem and Stolper Samuelson theorem (Liner Model).			
Nov 2019	Techniques of integration (definite and indefinite integral).	GL	12	
	Applications: from marginal function to total function, consumer's surplus,producer's surplus, investment and capital formation, present value	GL	9	
	First order and second order differential equations.	GL	2	
Dec 2019	Applications: Time path of price and quantity in competitive markets, time path of income in simple Keynesian model, Stability analysis, Time path of inflation and unemployment rates, Solow growth model.	GL	5	
	First order and second order difference equations.	GL	4	
	Applications: Cobweb model, Market model with inventory, Samuelson's multiplier – accelerator interaction model.inflation and unemployment in discrete case.	GL	5	
Jan 2020	Input – output analysis	GL	8	
	A two sector Leontief static open model, Assumptions, Output solutions, Hawkins – Simon conditions and its economic interpretations.	GL	7	
	Linear programming.	GL	8	
Feb 2020	The LP problem, Duality and economic interpretation, simplex method, complementary slackness relationship of primal and dual.	GL	8	
	Application: Diet problem, Transportation problem	GL	8	
	Game Theory – Structure of Game, Pay off matrix, Two person zero sum game, saddle point, Pure strategy, Mixed strategy.	GL	7	
March 2020	Revision	GL		Remedial classes
			Total:142	

Resources :

Books:
(i) Mathai & Rathi – Probability and Statistics
(ii) Nagar & Das - Basic Statistics
(iii) N.G. Das – Statistical Methods, (Vol II) [2005]
(iv) Henderson & Quandt – Microeconomic Theory (3rd edition)
(v) Dorfman, Samuelson & Solow–Linear Programming & Economic Analysis–
(vi) Pindyck and Rubinfield – Micro economics
(vii) Varian – Intermediate Micro economics.

Lesson Plan for Course:Paper-8 **Marks:100**

- Course coordinator: Asok Kr Roy

- **Course Outcome**

For 1+1+1 System

1. On successful completion of this course students will be able to understand the impact of British rule and the British imperial policy in India in the pre-independence period with special reference to the issues of deindustrialization, commercialization of agriculture, drain of economic wealth, land revenue policy, development of railways and irrigation and foreign trade.
2. It will also enable the students to understand the comparative structural changes of Indian economy.
3. On successful completion of this course students will have hands on experience in data entry, analysis of data in terms of charts, diagrams and statistical measures through computers using statistical soft-wares both for primary and secondary data that will prepare students to handle data and project reporting.
4. On successful completion of this course students will have idea on presenting small research work on a specified manner on different contemporary socio-economic issues by applying research methodology, process of data presentation and economic analysis, preparation of dissertation. It will prepare the students for concise form of presentation in their future academic and job assignments.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
July 2019	Impact of British rules with special reference to De-industrialization	AKR	6	
	Basics of computer application in economics	AKR	6	
	Project	AKR	2	
Aug 2019	Impact of British rules with special reference to De-industrialization	AKR	6	
	Basics of computer application in economics	AKR	8	
	Project	AKR	8	
Sept 2019	Impact of British rules with special reference to Commercialization of agriculture.	AKR	8	
	Operating systems, data entry	AKR	5	
	Project	AKR	8	
Oct 2019	Project	AKR	2	
Nov 2019	Impact of British rules with special reference to Commercialization of agriculture.	AKR	12	
	Operating systems, data entry	AKR	9	
	Project	AKR	2	
Dec 2019	Aspect of British Imperial policy.	AKR	5	
	Use of application software for solving statistical and quantitative problems in economics.	AKR	4	
	Project	AKR	5	
Jan 2020	Land policy	AKR	8	
	Use of application software for solving statistical and quantitative problems in economics.	AKR	7	
	Project	AKR	8	
Feb 2020	Railways & irrigation. Policy of discriminating protection	AKR	8	
	Use of application software for solving statistical	AKR	8	

	and quantitative problems in economics. Use of application software for solving statistical and quantitative problems in economics.			
	Project	AKR	7	
March 2020	Revision	AKR		Remedial classes
			Total:142	

Resources :

Books:
i) Dharma Kumar (ed.) Cambridge Economic History [Vol II]
ii) V. B. Singh (ed.) Economic History of India
iii) Dhires Bhattacharyya A Concise Economic History of India
iv) Amiya Bagchi Private Investment in India (1900-1939)
v) Computers Today: D.H. Sanders
vi) Analysis of Economic Data: Gary Koop

CBCS SYSTEM

Lesson Plan for Course:CC1 **Code :** ECOACOR01T **Credit:6**

- Course coordinator: Niladr Saha

- **Course Outcome**
  After successful completion of this course students will be able to:

1. Explain optimal allocation of resources among factors of production.
2. Understand meaning, scope and subject matter of economics.
3. Explain others factors affecting demand and supply and also determination of equilibrium price .
4. Understand different approaches of utility maximisation also stages of production and components of costs of production.
5. Understand features of different market form and their short run and long run bAKRaviour.

Course planner

Sl	Course Topic	Teacher	Class Hour (Theory)	Class Hour (Tutorial)
July 2019	Why study economics? Scope and method of economics	NS	2	
	The economic problem: scarcity and choice.	NS	2	
	Distinction between Microeconomics and Macroeconomics; the question of what to produce, how to produce and how to distribute output	NS	2	
	The basic competitive model; prices, property rights and profits; incentives and information; rationing; opportunity sets; economic system.	AKR	2	

Aug 2019	Markets and competition.	AKR	1	Tutorial 2(NS) Tutorial 2(AKR)
	Determinants of individual demand/supply.	AKR	2	
	Demand/supply schedule and demand/supply curve.	AKR	1	
	Market versus individual demand/supply; shifts in The demand/supply curve, demand and supply together.	AKR	2	
	How prices allocate resources.	NS	1	
	Elasticity and its application;	NS	2	
	Controls on prices; taxes and the costs of taxation; Consumer surplus; producer surplus and the efficiency of the markets.	NS	3	
	The consumption decision - budget constraint, consumption and income/price changes.	NS	6	
Sept 2019	Demand for all other goods and price changes; description of preferences (representing preferences with indifference curves	NS	7	Tutorial 2(AKR) Tutorial 3(NS)
	Properties of indifference curves.	NS	4	
	Consumer‘s optimum choice; income and substitution effects (Hicks & Slutsky).	NS	5	
Oct 1019	Ordinary and Compensated demand curves, Inferior goods and Giffen goods.	NS	2	0
Nov 2019	Consumer‘s optimum choice; income and substitution effects (Hicks & Slutsky).	AKR	4	Tutorial 2(AKR) Tutorial 2(NS)
	Price consumption and income consumption curves.	AKR	2	
	Production function.	NS	1	
	Total, Average and Marginal products.	NS	2	
	Isoquants and economic regions of production	NS	3	
	Cost minimization and expansion path.	NS	1	
	Elasticity of substitution, Economies of scale.	NS	2	
	Cobb Douglas, Fixed coefficient and CES functions, Short run and long run costs	NS	4	
Dec 2019	Derivation of the cost function from production function.	AKR	4	Tutorial 1(AKR) Tutorial 1(NS)
	Different types of market structures	NS	2	
	Perfect competition	NS	2	
	Monopoly	NS	2	
	Monopolistic Competition, Oligopoly	NS	2	
			75 Hrs	15 Hrs

Resources :

Books:

1. Lipsey-Positive Economics
2. Maddala& Miller – Microeconomics
3. Koutsoyiannis – Modern Microeconomics
4. Ryan & Pearce – Price Theory
5. Henderson &Quandt – Microeconomic Theory- A Mathematical Approach (3rd Edition)
6. Ferguson & Gould – Microeconomics Theory

Lesson Plan for Course:CC2 **Code:** ECOACOR02T **Credit:6**

- Course coordinator:EKBAL HOSSAIN

For 1+1+1 System

- **Course Outcome**
  After successful completion of this course students will be able to:

1. Use basic mathematics that enables the creation of economic theory in general.
2. Understand the application of mathematical techniques to economic theory in general.
3. Solve problems related with utility maximisation, cost minimisation, profit maximisation etc.

Course planner

Sl	Course Topic	Teacher	Class Hour (Theortical)	Class Hour (Tutorial
July, 2019	Concept: Sets and set operations; relations; functions and their properties.	EH	1	
	Number systems.	EH	1	
	Set Theory: Definition of a set and discussion of related concepts; Set types.	EH	1	Tutorial 1(EH)
	Operations on sets; Nested sets; Cartesian product; Concept of Euclidean Space.	EH	1	
	Functions and Relations: Definitions; Concepts of 'range', 'domain' and 'mapping'; Explicit and implicit functions.	AKR	3	
Aug, 2019	Types of functions and correspondences (polynomial, Exponential, logarithmic, power).	EH	2	
	Concepts of 'limits and continuity', 'derivative', 'partial derivative', 'total differential' and 'integral' (stress on both intuitive and mathematical understanding).	EH	2	
	differentiable functions: Applications of differential and integral calculus to the study of functions: level curves; slope and curvature of functions, area under a curve etc.	EH	2	Tutorial 2(EH)
	Second and higher order derivatives: properties and applications.	EH	1	
	Applications: Expenditure function and its properties;	EH	1	
	Shepherd's Lemma; Indirect Utility Function; Roy's Identity;	EH	2	Tutorial 1(AKR)
	Slutsky equation and decomposition of price effect;	EH	2	
	Properties of demand functions. Work-leisure choice; savings function,	EH	1	
	Total average and marginal Cost & Production,	AKR	2	
	Consumption function, saving & investment function	AKR	2	
	Vector spaces: algebraic and geometric properties, scalar products, norms, orthogonality.	AKR	3	
Sept 2019	Linear transformations: properties, matrix representations and elementary operations.	EH	3	Tutorial 2(EH)
	Systems of linear equations: properties of their solution sets.	EH	4	
	Determinants: characterization, properties and applications.	EH	4	
	Concepts of various types of series	AKR	1	Tutorial 1(AKR)
	Arithmetic, Geometric	AKR	1	
	Logarithmic, Exponential	AKR	2	
	Taylor's and McLaurin's	AKR	1	
	Brief review of trigonometric functions and associated curves.	AKR	1	
Oct	Geometric properties of functions:	EH	2	

For 1+1+1 System

2019	convex functions,			
Nov 2019	Distinction between concave and convex Functions	AKR	1	
	Characterizations and applications of concave and convex functions	AKR	3	Tutorial 3(EH)
	Local and global optima (maxima and minima)	AKR	2	
	Geometric characterizations, characterizations using calculus and applications.	AKR	2	Tutorial 1(AKR)
	Applications: Equilibrium under cardinal utility theory;	EH	2	
	Maximization of Revenue	EH	1	
	Maximization of Profit	EH	1	
	Minimization of cost of production in short run	EH	1	
	Free and constrained optimization	EH	2	
	Examples of constrained optimization from consumer and producers theories	EH	4	
Dec 2019	Static and dynamic optimization problems; applications	EH	3	Tutorial 2(EH)
	Applications: Equilibrium under cardinal and ordinal utility theory	EH	4	
	Maximization of Profit in different market form	AKR	2	Tutorial 2(AKR)
	Minimization of cost of production in long run.	AKR	1	
			75 Hrs	15

Resources :

Books:

1. K. Sydsaeter and P. Hammond, Mathematics for Economic Analysis, Pearson Educational
Asia: Delhi, 2002.
2. Blume, Lawrence and Carl Simon (1994), Mathematics for Economists, Norton. Chiang,
3. Alpha and Kevin Wainwright (2005), Fundamental Methods of Mathematical Economics, Fourth Edition, McGraw-Hill
4. Baldani, Bradfield and Turner, An Introduction to Mathematical Economic,CengageLeaening: 2007.

Lesson Plan for Course: CC3 **Code:** ECOACOR03T

Credit:06

- Course coordinator: EKBAL HOSSAIN

- **Course Outcome**

After successful completion of this course students will be able to:

1. Explain others different components of national income and their importance in National income accounting.
2. Understand demand and supply of money ,credit creation and monetary and fiscal measure to control supply and demand of money in the economy.
3. Understand causes and effects of inflation and role 0f Govt to check inflationary effects.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
Jan, 2020	Basic issues studied in macroeconomics; measurement of gross domestic product; income, expenditure and the circular flow.	AKR	5	Tutorials AKR-1 EH-2
	Functions of money; quantity theory of money;determination of money supply and demand; credit creation.	EH	10	
Feb, 2020	Different methods of calculating NI; measurement of cost of living – CPI, GDP deflator.	AKR	7	Tutorials AKR-1 EH-3
	Tools of monetary policy. Inflation and its social costs; Demand Pull and Cost Push inflation; hyperinflation.	EH	12	
Mar, 2020	Measuring joblessness – Unemployment rate,Unemployment and GDP – Okun's Law; national income accounting for an open economy.	AKR	6	Tutorials AKR-1 EH-3
	Anti inflationary policies. Classical and Keynesian systems (difference in concepts) Simple Keynesian model of income determination.	EH	12	
April,2020	Balance of payments: current and capital accounts.	AKR	7	Tutorials AKR-1 EH-3
	Multipliers, ISLM model.	EH	12	
May,2020	NI as a measure of economic welfare.	AKR	2	Tutorials AKR-1
	Fiscal and monetary multipliers.	EH	4	
Jul,2020	**Assessment: End-term Test**			
			76	16

Resources :

Books:

1. Dornbusch, Fischer and Startz, Macroeconomics, McGraw Hill, 11th edition, 2010.
2. N. Gregory Mankiw. Macroeconomics, Worth Publishers, 7th edition, 2010.
3. Olivier Blanchard, Macroeconomics, Pearson Education, Inc., 5th edition, 2009.
4. Richard T. Froyen, Macroeconomics, Pearson Education Asia, 2nd edition, 2005.
5. Errol D'Souza, Macroeconomics, Pearson Education, 2009.
6. Branson, Macroeconomics (2nd) edition

Lesson Plan for Course:CC4 **Code:** ECOACOR04T **Credit:06**

- Course coordinator:Ekbal Hossain

- **Course Outcome**
  After successful completion of this course students will be able to:

1. Understand basic concepts statistics and different methods of colleting, representing data.
2. Explain others characteristics of sample data adopting various methods of statistical measurements.
3. Understand the comparability, consistency, spreadness /concentration among different sets of sample data.
4. Understand the degree and the direction of association in bivariate setup.
5. Estimate dependent variable using regression analysis.
6. Understand Stock market indices ,CPI,WPI etc.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
Jan, 2020	Components, measurement of trend and statistical fluctuations; Two variable linear curve fitting analysis - estimation of regression lines (Least square method).	AKR	5	Tutorials AKR-1 NS-2
	Population and sample, parameter and statistic; Data Collection: primary and secondary data, methods of collection of primary data; Presentation of Data: Univariate frequency distribution; cumulative frequency; graphic and diagrammatic representation of data.	NS	10	
Feb, 2020	Regression coefficients - their interpretation and properties, standard error of estimate. Price, quantity Index Numbers: Index number as weighted averages, Price and quantity index numbers.	AKR	7	Tutorials AKR-1 NS-3
	The mean, median, mode and other quartiles Measures of Central Tendency: mean, median, mode; geometric mean, harmonic mean, their relative merits and demerits.	NS	12	
Mar, 2020	Problems in the Construction of Index Numbers, Tests for index Numbers, Chain based Index, Cost of Living Index Number. Wholesale Price Index and Cost of Living Index.	AKR	6	Tutorials AKR-1 NS-3
	Measures of Dispersion: absolute and relative - range, mean deviation, standard deviation, coefficient of variation, quartile deviation, their merits and demerits.	NS	12	
Apr, 2020	Uses of Index Numbers, Index numbers as indices of wellbeing, Stock market indices..Measures of crude birth rate, death rate, age sex specific birth and death rates; infant mortality rate.	AKR	7	Tutorials AKR-1 NS-3
	Interpolation and Extrapolation. Simple Correlation: scatter diagram, sample correlation coefficient - Karl Pearson‟s correlation coefficient and its properties, probable error of correlation coefficient, Spearman's rank correlation coefficient, partial and multiple correlation, Regression Analysis: Properties of linear regression, explained and unexplained variation regression in bivariate frequency distribution.	NS	12	
May, 2020	Construction and use of life table.	AKR	2	Tutorials AKR-1
	ANOVA Tables(concepts only)	NS	4	
Jul,	End-Semester Exam			

For 1+1+1 System

2020				
	TOTAL		76	16

Resources :

Books:

1. Kenny and Keeping : Mathematical Statistics, Part 1 &Part II
2. Croxton, Cowden and Klein : Applied Statistics, Prentice Hall; Applied General Statistics.3d. ed., Prentice-Hall, Inc., 1960.
3. Das, N.G., Statistical Methods, TheEWorld Press Pvt. Ltd., Calcutta.
4. Fundamentals of Statistics: Goon, Gupta, Dasgupta, The World Press, 1996
5. M. R. Saluja: Indian Official Statistical Systems.

Lesson Plan for Course:CC5 **Code:** ECOACOR05T **Credit:6**

- Course coordinator :EKBAL HOSSAIN

- **Course Outcome**
  After successful completion of this course students will be able to:

1. Understand features of different market forms and short run and long run market equilibrium under different market forms.
2. Understand how to determine optimal price and employment of an input in different market structures
3. Understand nature of commodities and prices in different market forms.
4. Understand control of individual firm in different market form.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
July 2019	Features of perfect competition.	NS	1	TUTORIAL EH-1
	Consumer Theory Revisited : (i) Preference; utility; budget constraint; choice; demand. (ii) Application of indifference curve approach: Derivation of labour supply and intertemporal choice- Saving and borrowing.	EH	6	
Aug 2019	Features of perfect competition.	NS	4	TUTORIAL EH-4
	Consumer Theory Revisited : (iii) Choice under risk: Describing Risk, Preferences towards risk, Reducing risk, the demand for Risky assets-the trade-off between Risk & Return. (iv) Revealed Preference – the weak axiom and substitution effect.	EH	14	
Sept 2019	Short run and long run equilibrium of the firm under PC .	NS	3	TUTORIAL EH-3

	Imperfect Market Structure: Monopoly (i) Monopoly and anti-trust policy; government policies towards competition; Sources of monopoly power, Index of monopoly power.	EH	14	NS-1
Oct 2019	Natural monopoly; Dead-weight loss of Monopoly	EH	2	
Nov 2019	Short run supply function, Industry equilibrium; Long run industry supply with or without external economies or diseconomies under PC.	NS	4	TUTORIAL EH-4
	Imperfect Market Structure: Monopoly (ii) Equilibrium with single plant, multiple plants, Constrained revenue maximisation, Natural monopoly; Dead-weight loss of Monopoly (iii) Price discrimination; peak-load pricing; bundling; two-part tariff.	EH	15	
Dec 2019	Monopsony.	NS	2	TUTORIAL EH-2
	Imperfect Market Structure: Monopolistic CompetitionConcept: Product diversification; Short-run & Long-run equilibrium; Excess Capacity.	EH	10	
			75	15

Resources :

Books:

1. Hal R. Varian, Intermediate Microeconomics, a Modern Approach,
2. Pindyck&Rubinfeld – Microeconomics
3. Koutsoyiannis – Modern Microeconomics
4. Henderson &Quandt – Microeconomic Theory- A Mathematical Approach (3rd)

Lesson Plan for Course:CC6 **Code:** ECOACOR06T **Credit:** 06

- Course coordinator: Asok Kr. Roy

- **Course Outcome**

After successful completion of this course students will be able to:

1. Understand the microeconomic foundation of various aggregative concepts used in the previous course.
2. Understand the causes and effects of different types of inflation and inflation, causes of different types of unemployment and also inflation-unemployment trade-off in an economy.
3. Acquire knowledge regarding development in macroeconomic concepts with special reference to Real Business Cycle and New Keynesian Economics.

Course planner

Sl	Course Topic	Teacher	Class-	Remarks*

			hour	
July 2019	Short-run open economy models.	NS	1	TUTORIAL AKR-1
	The Classical view of macroeconomics in respect of the determination of employment, output and prices.	AKR	6	
Aug 2019	Mundell-Fleming model; exchange rate determination; purchasing power parity.	NS	4	TUTORIAL AKR-4
	Say's law and Walras' law – The dichotomy between the real sector and monetary sector – neutrality of money.	AKR	14	
Sept 2019	Asset market approach; Dornbusch's overshooting model.	NS	3	TUTORIAL AKR-3 NS-1
	Derivation of aggregate demand and aggregate supply curve – Keynesian labour supply function – determination of equilibrium – wage rigidity – involuntary unemployment – Underemployment equilibrium – effects of change in money supply and other factors on complete Keynesian model – money illusion.	AKR	14	
Oct 2019	Comparison with the Classical system – price flexibility – Real balance effect.	AKR	2	
Nov 2019	Monetary approach to balance of payments;	NS	4	TUTORIAL AKR-4
	Phillips curve; adaptive and rational expectations; policy ineffectiveness debate.	AKR	15	
Dec 2019	International financial markets.	NS	2	TUTORIAL AKR-2
	Aggregate supply and Phillips curve; Inflation, unemployment and Phillips curve, Shift of Phillips curve, Disinflation and sacrifice ratio.	AKR	10	
			75	15

Resources :

Books:

1. N. Gregory Mankiw. Macroeconomics, Worth Publishers, 7th edition, 2010.
2. Dornbusch, Fischer and Startz, Macroeconomics, McGraw Hill, 11th edition, 2010.
3. Olivier Blanchard, Macroeconomics, Pearson Education, Inc., 5th edition, 2009.
4. Errol D'Souza, Macroeconomics, Pearson Education, 2009
5. Branson, Macroeconomics (2nd) edition
6. SoumyenSikdar - Principles of Macroeconomics (OUP)
7. R. T. Froyen. Macroeconomics-Theories and Policies, Prentice Hall; 9th Edition, 2008.

Other resources :

*Remarks will specify

- The nature of the class-topic (viz. Theoretical, Practical, and Tutorial).
- Methodology of teaching (whether using ICT, engaging students in group discussion, quiz etc. etc.)
- Different modes of assessment. (Please check UGC evaluation reforms).

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Lesson Plan for Course:CC7 **Code:** ECOACOR07T **Credit:06**

- Course coordinator: Niladri Saha

- **Course Outcome**
  After completion of the course, the students will be able to :

1. Understand the basic mathematics that are useful in economics
2. Understand the application of mathematical techniques to economic theory .
3. Understand the application of LPP, Game theory etc.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
July 2019	Convex sets	NS	1	TUTORIAL GL-1
	First Order condition for optimum; Second Order Condition and sufficiency requirement; Local and Global Optima and Local-Global Theorem; Constraint qualification and Kuhn Tucker condition.	GL	6	
Aug 2019	Geometric properties of convex functions, their characterizations, properties and applications; quasi convex functions, their characterizations, properties and applications.	NS	4	TUTORIAL GL-4
	Lagrangean Technique for optimization and its interpretation. Basic concepts and solution methods (graphical and simplex); Duality theorem. Applications: Duality in Consumer Thoery: Producer's Theory: Wong-Viner Theorem;Properties of cost functions.	GL	14	
Sept 2019	the implicit function; homogeneous and homothetic functions: characterizations and application to comparative statics problems: Maximum (and Minimum) Value Functions.	NS	3	TUTORIAL GL-3 NS-1
	Systems of linear equations: properties of their solution sets; determinants: characterization, properties and applications. Linear and non-linear simultaneous systems. Eigen Values, Eigenvectors and Jacobean Transformations. Applications: Simple Linear Input-Output models with fixed coefficients and their Solutions (open and closed model).	GL	14	
Oct 2019	Two good general equilibrium systems: existence of equilibrium, and comparative statics.	GL	2	
Nov 2019	Envelope Theorem; Shadow prices; envelope theorem and applications.	NS	4	TUTORIAL GL-4
	Single Equation linear Difference and Differential equations systems: Monotonic and oscillatory convergence ,divergence and Lyapunov	GL	15	

	stability. Constant and non-constant sum game, two person zero sum game, concept of pure strategy and mixed strategy, Nash equilibrium method and method of dominance.			
Dec 2019	Application: Cournot model, problem of prisoner's dilemma.	NS	2	TUTORIAL GL-2
	Applications: Cobweb models. Simple small open economy trade models, and the existence of equilibrium and comparative statics.	GL	10	
			75	15

Resources :

Books:

1. Intrilligator, Mathematical Optimization and Economic Theory, (1971).
2. A. Dixit, Optimization in Economic Theory, OUP, (1995).
3. Dorfman, Samuelson and Solow, Linear Programming and Economic Analysis.
4. Simon and Blume, Mathematics for Economists, Norton and Company, 1994.
5. K. Sydsaeter, P Hammond, Mathematics for economic analysis, Pearson Education, (2002).
6. A.C. Chiang, Mathematical Economics, McGraw Hill, 1995.

Lesson Plan for Course: CC8 Code: ECOACOR08T **Credit:06**

- Course coordinator: Asok Kr Roy

- **Course Outcome**
  After successful completion of this course students will be able to:

1. Understand the strategic behaviour of firms under oligopoly.
2. Understand the concept of market failure.
3. Explain general equilibrium and welfare.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
Jan 2020	Conjectural Variation & Reaction functions	AKR	7	Tutorial AKR-3
	Analysis of Cournot & Stackelberg; Collusive Oligopoly	AKR	7	
	Prisoners' dilemma in cartel stability	AKR	6	
Feb 2020	Nash equilibrium of game. Externalities	AKR	7	Tutorial AKR-3
	Public goods and markets with asymmetric information-Moral hazard	AKR	7	
	Adverse selection (concepts only)-Market for Lemons	AKR	6	
March 2020	Derived demand for a single input & multiple input in competitive & imperfectly competitive	AKR	6	Tutorial AKR-4

	markets			
	Firm demand & industry demand, Adding up problem,	AKR	6	
	Collective bargaining & exploitation.	AKR	6	
April 2020	Rent & Quasi-rent	AKR	6	Tutorial AKR-4
	Equilibrium and efficiency under pure exchange and production.	AKR	7	
	Conditions of Pareto optimality. Overall efficiency and welfare economics.	AKR	6	
May 2020	Revision	AKR	0	Tutorial AKR-6
			77	20

Resources :

Books:

1. Robert Gibbons. A Primer in Game Theory, Princeton University Press, 1992.
2. Gravelle&Ress, Microeconomics (3rd Edition)
3. Pindyck&Rubinfeld – Microeconomics
4. Koutsoyiannis – Modern Microeconomics
5. Maddala& Miller – Microeconomics

Lesson Plan for Course:CC9 Code : ECOACOR09T **Credit :06**

- Course coordinator: EKBAL HOSSAIN

- **Course Outcome**

After successful completion of this course students will be able to:

1. Acquire knowledge about different growths models.
2. Understand different schools of thoughts in economics.
3. Explain others about the micro-foundations to the various aggregative concepts used in the previous course.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
Jan 2020	Harrod-Domar model	EH	6	Tutorial EH-3
	Solow model	EH	5	
	Golden rule . Technological progress.	EH	6	
	Mercantilism	GL	3	
Feb 2020	Elements of endogenous growth. Keynesian consumption function	EH	6	Tutorial EH-3 GL-1
	Fisher‘s theory of optimal intertemporal choice. Rational expectations and random-walk of consumption expenditure.	EH	5	
	Life-cycle , Duesenberry's relative income hypothesis and permanent income hypotheses	EH	5	
	Physiocracy	GL	3	

Mar 2020	Investment: determinants of business fixed investment; residential investment and Inventory investment.	EH	5	Tutorial EH-3 GL-1
	Tobin's q, Accelerator model of investment. The Regressive Expectations Model	EH	4	
	Demand for money: Transaction demand for money, Precautionary demand for money,Speculative demand for money	EH	5	
	Classicals,Keynesians	GL	4	
Apr 2020	The portfolio balanceapproach	EH	5	Tutorial EH-4
	The Baumol-Tobin models of Cash Management. Money as a consumer's and producer's good.	EH	5	
	The Baumol-Tobin models of Cash Management. Money as a consumer's and producer's good.	EH	5	
	Keynesians,New Classicals	GL	4	
May 2020	Consumption,Investment,Demand for money	EH	3	Tutorial EH-2
	New-Keynesian	GL	1	
			80	17

Resources :

Books:

1. N. Gregory Mankiw. Macroeconomics, Worth Publishers, 7th edition, 2010.
2. Dornbusch, Fischer and Startz, Macroeconomics, McGraw Hill, 11th edition, 2010.
3. Olivier Blanchard, Macroeconomics, Pearson Education, Inc., 5th edition, 2009.
4. Charles I. Jones, Introduction to Economic Growth, W.W. Norton & Company, 2nd edition, 2002.
5. Errol. D'Souza, Macroeconomics, Pearson Education, 2009.
6. Robert J. Gordon, Macroeconomics, Prentice-Hall India Limited, 2011.
7. Branson, Macroeconomics (2nd edition)

Lesson Plan for Course:CC10 Code: ECOACOR10T **Credit:06**

- Course coordinator: Niladri Saha

- **Course Outcome**

After successful completion of this course students will be able to:

1. Make distinction between sample and population and between statistic and parameter.
2. Learn conception and definitions of various statistical terms, rules and theorems along with the application of various univariate probability distribution functions.
3. Understand about probability distributions of discrete and continuous random variables .
4. Understand how to select samples from a population .
5. Infer about an unknown population with the help of sample observations.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
Jan	The distinction between populations and samples,	NS	5	Tutorial

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2020	between population parameters . Sample statistics; measures to describe and summarize data.			NS-4 GL-1
	Population moments and their sample counterparts. Random variable, Sample spaces and events.	NS	5	
	Probability axioms and properties	NS	5	
	Point and Interval Estimation	GL	3	
Feb 2020	Counting techniques; Permutations and Combinations; conditional probability and Bayes' rule; independence	NS	5	Tutorial GL-1 NS-3
	Defining random variables; probability distributions. Properties of discrete and continuous distributions, expected values of random variables. Concepts of some special distributions	NS	5	
	Poisson distribution . Normal distribution, Bivariate Normal distributions, Chi-Square distributions, t distribution, F distribution	NS	6	
	Properties of estimators.	GL	3	
Mar 2020	Transformations of variables: discrete and continuous types, Expectations of functions of random variable.	NS	5	Tutorial NS-3
	Properties of distribution functions, mass functions and density functions for jointly distributed random variables	NS	5	
	Computation of expected values; covariance and correlation coefficients.	NS	5	
	confidence intervals for population parameters.	GL	4	
April 2020	Principal steps in a sample survey.	NS	5	Tutorial GL-1 NS-4
	Methods of sampling; the role of sampling theory.	NS	5	
	Distributions of sample mean and sample variance.	NS	4	
	Estimation of population parameters using methods of maximum likelihood procedures.	GL	4	
May 2020	Properties of random samples.	NS	3	Tutorial NS-3
			77	20

Resources :

Books:

1. John E. Freund's Mathematical Statistics with Applications (7th Edition), Irwin Miller (Author), Marylees Miller (Author), Prentice Hall (2003)
2 . Kenny and Keeping : Mathematical Statistics, Part 1 &Part II
3. R.G.Hogg and A.T.Craig : Introduction to Mathematical Statistics, Pearson Education (Indian Edition)
4. V. K. Rohatgi and A. K. M. E. Saleh, An Introduction to Probability and Statistics, 2nd Edition, Wiley (2000).
5. Jay L. Devore, Probability and Statistics for Engineers, Cengage Learning, 2010.
6. John E. Freund, Mathematical Statistics, Prentice Hall, 1992.

Lesson Plan for Course:DSC-3/GE-3 Code: ECOGCOR03T & ECOHGEC03T **Credit:06**

- Course coordinator:EKBAL HOSSAIN

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Course Outcome

After completion of this course the students will be able to understand :

CO1: The distinction between Economic growth and Economic development and how economic development is influenced by population growth, gender aspects and foreign capital.

CO2: The alternative strategies of economic development and the complementary role of agriculture and industry in economic development.

CO3: Role of different international institutions like IMF, World Bank and WTO in economic development of developing.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
July 2019	Meaning of growth and development. Measurement of Economic growth.	EH	4	Tutorial EH-1 NS-1
	Distinction between Economic Growth and Economic Development.	NS	2	
	Obstracles to economic development	AKR	1	
Aug 2019	Factors of economic growth	EH	3	Tutorial EH-2 NS-1 AKR-1
	Growth indicators- NNI and PCI.	AKR	2	
	Importance of NNI and PCI.	AKR	1	
	Concept and formulation of HDI and its role	NS	2	
	Meaning of Balanced Growth	EH	1	
	Explanation of the Theory	EH	4	
	Criticism of the doctrine of balanced growth.	EH	2	
	The concept of unbalanced growth	NS	2	
	A citical appraisal	NS	1	
	Balanced vs. Unbalanced growth	NS	1	
Sept 2019	Complementary Roles of Agriculture and Industry	EH	2	Tutorial EH-2 NS-1 AKR-1
	Complementar Role of Technology in Agriculture and Industry.	EH	2	
	Effects of polpulation growth on economic development.	EH	2	
	The theory of demographic transition.	EH	2	
	Meanining and importance of human capital formation.	AKR	3	
	Problems of human capital formation.	NS	3	
	Meaning and concept of capital formation.	NS	2	
Oct 2019	Trend of saving and capital formation	EH	2	0
Nov 2019	Mobilisation of domestic saving	EH	2	Tutorial EH-1 NS-1 AKR-1
	Relation between saving rate,growth rate and ICOR.	EH	2	
	Human capital formation	EH	2	
	Recent Trends in Foreign Investment Flows to Developing Countries.	EH	1	
	Why Foreign Investment takes place	EH	1	
	Policies toward Foreign Investment	EH	2	
	Different forms of Foreign Investment	AKR	2	
	Foreign Investment -their roles in Economic	AKR	2	

	Development			
	Future Prospects	NS	1	
	Role of World Bank in economic development of the LDCS.	NS	1	
	Success and failure of World Bank in economic development of the LDCS.	NS	2	
	Role of IMF in economic development of the LDCS.	NS	2	
Dec 2019	Success and failure of IMF in economic development of the LDCS.	AKR	2	Tutorial EH-2
	Defination and calculation of GDI.	NS	3	
	Gender and inequality	EH	2	
	Gender Discrimination in the society	EH	2	
	Gender Discrimination in the society-its effects	EH	2	
			75 Hrs	15 Hrs

Resources :

Books:

1. Todaro, M.P.: Economic Development in the Third World, Longman, New York.
2. Salvatore, D. and E. Dowling: Development Economics, Schaum's, McGraw Hill, New York.
3. Agarwala, A.N. and S.P. Singh: Economics of Underdevelopment, Oxford University Press

Lesson Plan for Course: SEC Course-1 **Code:** ECOSSEC01M **Credit:02**

- Course coordinator:Niladri Saha

Course Outcome

At the end of this course students will be able to :
1.Collect data using different methods.
2. Conduct surveys .

Course planner

Sl	Course Topic	Teacher	Class -hour	Remarks*
Jul,2019	Introduction to survey methodology; Steps of the process of a survey.	EH	1	
	Being Clear about the Population of Interest, Developing a Sampling Frame.	NS	1	
Aug,2019	Examples of Large-Scale Survey Instruments, Introducing the Concepts of Validity and Reliability, Sources of Error: Sampling and Measurement, Different Theories of Measurement	EH	3	Tutorial 1
	Probability sampling; Simple Random and Systematic sampling; Stratification, Cluster and multistage sampling; Other probability designs, Sampling frames; Selection weights; Computing	NS	3	Tutorial 1

	sampling errors, Examples of sample designs.			
Sep,2019	Mode of Data Collection:Face-to-face, Telephone, Self-administered, and Administrative records,	EH	3	Tutorial 1
	Nonresponse:Contacting sample units; Gaining the cooperation of sample units, Monitoring the progress of data collection; Response rates.	NS	3	Tutorial 1
Oct,2019	Memory search, Estimation and judgment.	EH	1	
Nov,2019	Methods of computer assisted data collection; Impact on survey errors, Web surveys, Overview of response behavior; Comprehension.	EH	3	Tutorial 1
	Post-Survey Processing; Estimation (Lepkowski) Lecture: Editing data; Coding; Imputation;	NS	3	Tutorial 1
Dec,2019	Delivery of response:Pretesting: Focus groups; Cognitive interviews; Expert review; Pretests; Pilot tests.	EH	2	
	Construction of unit weights, Variance estimation; Analysis of survey data	NS	2	
			Total: 25	Total Tutorial:6

Resources :

Books:

Readings: Groves, et al. (2009), Chapters 1 and 2
Readings: Groves, et al. (2009), Chapters 3 and 4
Readings: Groves, et al. (2009), Chapter 5, 7 & 8
Readings: Groves, et al. (2009), Chapter 6
Readings: Groves, et al. (2009), Chapter 10
Groves, Robeert et al. (2009): Survey Meethodology, 2 nd Edition. New York

Lesson Plan for Course: DSC-IV/GE-IV Code: ECOGCOR04T **Credit:06**

- Course coordinator:Niladri Saha

Course Outcome
After completion of this course the students will be able to understand :

CO1: The structure of Indian economy as an underdeveloped economy with special reference to the sectoral distribution of its national income, the problem of income inequality, poverty, unemployment and population growth.
CO2: Sector-specific trends in key indicators and their implications in post independence period.
CO3: The use of various fiscal and monetary instruments used by the Union and State Governments and the Reserve Bank of India.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*

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Jan 2020	Sectoral distribution of National Income and its change since inception of Planning. Structure and quality if employment in India;Government undertaken different schemes to reduce unemployment and underemployment.	EH	6	Tutorial AKR-1 NS-2 EH-2
	Occupational pattern in India-A trend analysis since 1901. Inequalities in Income distribution. Economic reforms and reduction of poverty; Poverty eradication Programmes and their effectiveness.	NS	9	
	Size and growth rate of population in India. Changes in sex composition since inception of planning.	AKR	3	
Feb 2020	Population policy and population projections for India.	EH	6	Tutorial NS-2 EH-2
	Causes for low productivity. Targeted public distribution system. New agricultural policy;Green revolution and its prospects Land reforms and its appraisal.	NS	10	
	Effects of GATT on Indian Agriculture.	AKR	3	
Mar 2020	Review of Industrial growth under planning. Role of small-scale industries and policy perspective to help them.	EH	6	Tutorial AKR-1 NS-2 EH-1
	Role of trade union and social security measures in India. Role of Indian Commercial Banks and Reserve Bank of India.	NS	9	
	Monetary Policy of the Reserve Bank of India.	AKR	3	
April 2020	Profitability of banks in India. Sources of Revenue and Expenditure of Union and State Government.	AKR	3	Tutorial AKR-1 NS-2
	Union-State Financial Relation.Centre-State Conflict on Finances.	NS	10	
	Volume and direction of India's foreign trade in the post-Liberalization period	EH	7	
May 2020	REVISION	AKR	0	Tutorial AKR-1 NS-3 EH-2
	REVISION	NS	0	
	REVISION	EH	0	
			75	22

Resources :

Books:

1. Dutta R. and K.P.M. Sundaram: Indian Economy, S. Chand and Co. New Delhi
2. Misra S.K.V. K. Puri: Indian Economy, Himalayas Publishing Co. Mumbai.
3. Agarwal A.N: Indian Economy, Vikash Publishing Co. Delhi
4. Gupta, S.B.: Monetary Planning in India, Oxford University Press, Delhi.

Lesson Plan for Course: SEC Course-2 **Code:** ECOSSEC02M **Credit:02**

- Course coordinator:Niladri Saha

Course Outcome

At the end of this course students will be able to :

1. Understand Methods of Collecting Official Statistics
2.Understand Main functions of Statistical System in Indian, InstitutionalFramework.
3.Understand working of International Statistical System.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
Jan,2020	What is Official Statistics? Methods of Collecting Official Statistics, Aims and Objectives.	EH	2	Tutorial-1
	Economic Statistics, Population Statistics, Employment Statistics, Agriculture Statistics,	NS	2	Tutorial-1
Feb,2020	Indian Statistical System: Main functions of Statistical System in Indian, Institutional Framework- Official Organizations for collecting/compiling/ publishing national/state level data on different variables.	EH	3	Tutorial-1
	Financial Statistics - Main Publications, Who collects - Periodicity and Features.	NS	3	Tutorial-1
Mar,2020	Sources of demographic data - Registration of Vital events. Rates and ratios.Measures of mortality.	EH	3	
	International Statistical System: Comparison of major macro variables - National Income/GDP.	NS	3	
Apr,2020	Selected topics from: Purchasing power parity; Indicators relating to Energy,environment, Gender, Industry	EH	3	Tutorial-1
	Measures of fertility and Reproduction.Use of demographic data for policy formulation.L-8	EH	3	Tutorial-1
May,2020	National accounts, Social Statistics and Trade.	EH	2	
	Measures of fertility and Reproduction.Use of demographic data for policy formulation.L-8	NS	2	
	Assessment: End-term Test		Total: 26Hrs	Total Tutorial:6

Resources :

Books:

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

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