CBCS semester system

PROGRAMME OUTCOME : ECONOMICS B.A./B.Sc. COURSE

This is undergraduate B.A./B.Sc. Economics Honors course which is offered under the Choice Based Credit System (CBCS). After successful completion of this B.Sc. Economics Honors course students will be able to:

- Understand economic terms, methodologies, tools and analytical processes.
- Understand the economic theories and their applicability.
- Understand the uses of mathematical, statistical and econometric tools in solving economic problems.
- Develop knowledge about application of micro economics for the policy formulations and the respective planning.
- Analyze macroeconomic policies including fiscal and monetary policies.
- Understand the activities of financial and money markets.
- Develop knowledge about growth prospects of economy through specialization and exploration of market by means of trade.
- Make sound financial understanding and application in daily life and also make an economic perspective of thinking.
- Understand the consequences of government policies and to evaluate the impact of the policies on the groups involved.
- To predict the future path of changes and development with the help of their knowledge about policies and planning made by the governments and other development agencies.
- Understand international relation by the terms of economic co-operation.
- Get an idea of the characteristics and behavior of the Indian and World economy.

- Calculate and evaluate the real situation of the economy including the rate of development in income pattern and the pattern of savings and investments along with social security measures adopted in the country.
- Interpret large sets of data as well as develop theoretical models.
- Use Econometric Software like SPSS or E VIEWS or STATA.
- Address various economic problems like unemployment, poverty, inflation etc.
- Determine economic variables like Gross Domestic Product, Balance of Payment etc.
- Apply economic theories and concepts to current social issues, as well as evaluation of policies.
- Learn to do some basic research work in the final semester.
- Develop an awareness of various career options and also the choices for higher studies.
- Build up a professional carrier as economists, teachers, researchers, financial advisors, economic planners, policy makers, business administrators, entrepreneurs etc.

https://wbsubregistration.org/syllabus/economins-honours-cbcs-draft-syllabus.pdf

https://wbsubregistration.org/syllabus/economics-general-cbcs-draft-syllabus.pdf

COURSE OUTCOME ECONOMICS (HONOURS)

SEMESTER 1	COURSE OUTCOME
Core Course 1 – Introductory Microeconomics – ECOACOR01T 1. Exploring the subject matter of Economics 2. Supply and Demand: How Markets Work, Markets and Welfare 3. The Households 4. Production and Cost 5. Market Structure	 Introduce with the basic problem of the economy and optimal allocation of resources accordingly. Understand basic microeconomic concepts like demand, supply, production, cost, revenue and profit and the theories explaining their determination. Learn how the various economic agents like consumers, firms behave rationally to optimize their goals given the economic resources. Understand market clearing process with the help of demand supply apparatus and the role of the government.
Core Course 2 – Mathematical Methods for Economics-I – ECOACOR02T 1. Preliminaries	 Get aware about the increased use of mathematical tools in solving economic problems.
 Prenimates Brief Review of Differential and Integral Calculus 	 Use various mathematical techniques like differentiation, integration, matrix
 Simultaneous Linear Systems and Related Applications of Matrix Algebra 	 algebra etc. for understanding basic economic theories. Understand constrained and

 4. Other Topics 5. Single-variable optimization 6. Multi-variable optimization 	unconstrained optimization problem for local and global optimization in relation with consumption and production.
SEMESTER 2 Core Course 3 - Introductory Macroeconomics - ECOACOR03T 1. Introduction to Macroeconomics and National Income Accounting 2. Money 3. Inflation 4. The Closed Economy in the Short Run	 COURSE OUTCOME The nature and basic concepts of Macroeconomics. The concept and measurement of different components of national income and its importance as an indicator of economic welfare. The construction and measurement of aggregate macroeconomic variable like savings, investment, GDP, balance of payment, unemployment, money and inflation. The income determination in the closed economy in short run in Classical and Keynesian system, with essential impacts of fiscal and monetary policy variables, IS-LM model, concept of multipliers.
Core Course 4 - Statistical Methods for	• The basic concepts of statistical

 Economics – I - ECOACOR04T Basic concepts Measures of Central tendency Measures of Dispersion Measures of Skewness and Kurtosis Bivariate frequency distribution ANOVA Tables(concepts only) Time series Index Numbers 	 methods like population, sample, primary and secondary data, frequency distribution, diagrammatic representation of data etc. The computation of central tendency, dispersion, skewness and kurtosis, Correlation and Regression Analysis The concept of ANOVA table; The
9. Vital statistics SEMESTER 3	concept and measurement of time series, index numbers and vital statistics. COURSE OUTCOME
 Core Course 5 - Intermediate Microeconomics – I - ECOACOR05T 1. Consumer Theory Revisited 2. Market Structure: Perfect Competition 3. Imperfect Market Structure: Monopoly 4. Imperfect Market Structure: Monopolistic Competition 	 To train in microeconomic theory to formally analyze the behaviour of individual agents. To use mathematical tools for the analysis of the optimizing behavior of different individual units like consumer, firm; To learn about the concept of risk and how to deal with risk and to reduce risk; To analyse the short run and long run behavior of firm and industry under different market structure

	such as perfect competition and imperfect competition
 Core Course 6 - Intermediate Macroeconomics - I - ECOACOR06T 1. The classical system 2. The Complete Keynesian model 3. Inflation, Unemployment and Expectations 4. Open Economy Models 	 To introduce various macro-economy models to sue them as analysing tools; To derive aggregate demand and aggregate supply curves; To explain different theories of output and employment determination in a closed economy in short run and medium run; To use policies in this context; To introduce the concept of Inflation, its causes and effects, the inflation- unemployment trade-off, different policies regarding inflation; To learn about various theoretical issues related to open economy;
Core Course 7 – Mathematical Methods for Economics-II – ECOACOR07T 1. Multi-variable function: some	Understand concepts of functions and graphs used in economic theories.
 Multi-variable function: some concepts Classical Optimization Linear Programming and Duality 	• Learn to determine micro level market adjustments and macro level scenarios in dynamic models with the help of

 Simultaneous Equation Systems Dynamical Methods: algebraic and geometric exposition Game Theory and its Applications 	 difference and differential equations. Apply knowledge to solve the problems on theory of consumer and firm, intertemporal choice theory, behaviour under uncertainty and comparative statics, Understand interaction between economic agents in static game theoretic framework. Use of linear programming problem and interdependent industry relations.
 SEC Course 1- Survey Methodology – ECOSSEC01M Introduction, Inference and Error in Surveys Sampling in Survey Research Mode of Data Collection Nonresponse Post-Survey Processing; Estimation (Lepkowski) 	 Different methods of data collection through field survey. Process of sampling and data collection Ideas on large scale sample survey methods Practical methods of sample handling which will help them in project work.
SEMESTER 4 Core Course 8 – Intermediate Microeconomics – II – ECOACOR08T 1 . Market Structure: Oligopoly and Strategic Behaviour of Firms	 COURSE OUTCOME Identify different oligopoly market forms in real life. Learn outcomes of the variable factor markets.

 2. Market Failure 3.Input Markets 4.General Equilibrium, Efficiency and Welfare 	 Recognise the reasons for market failure. Learn about general equilibrium and welfare and topics under information economics.
 Core Course 9 - Intermediate Macroeconomics – II - ECOACOR09T 1. Economic Growth 2. Microeconomic Foundations a.Consumption b. Investment c. Demand for money 3. Schools of Macroeconomic Thoughts 	 To introduce the long run dynamic issues like growth and technical progress; To provide the micro-foundations to the various aggregative concepts with alternative theories; To discuss the different schools of Macroeconomic thoughts
 Core Course 10 - Statistical Methods for Economics-II - ECOACOR10T Introduction and Overview Elementary Probability Theory Random Variables and Probability Distributions Random Sampling and Jointly Distributed Random Variables Sampling Introduction to statistical Inference 	 To discuss basic statistical terminologies for statistical analysis and inference; To introduce random variable, probabaility, probability distributions; To discuss joint distributions of random variables; To discussion on sampling techniques used to collect survey data; To introduce some concents on

 SEC Course 1- Indian Official Statistics – ECOSSEC02M Introduction Economic Census Sources of demographic data International Statistical System 	 of interval estimation; To practice sums related to all concepts The goal of this paper is to make students aware of different sources of official data. They will know about different types of statistics and how to use them for any research work. Get idea on Indian official Statistics associated with collection, compilation and publication of data set at the national/state and even regional level
SEMESTER 5	COURSE OUTCOME
 Core Course 11 - Introductory Econometrics - ECOACOR11T Classical Statistical Inference Linear Regression Problems in OLS Method Multiple Regression with qualitative information Specification Analysis 	 To introduce to basic econometric concepts and techniques. It covers statistical concepts of To discuss the concept of hypothesis testing, estimation; To illustrate the methods of diagnostic testing of simple and multiple regression models. To discuss the covers consequences of and tests for misspecification of

	regression models.
 Core Course 12 - Development Economics - ECOACOR12T 1. Basic concepts of development 2. Persistence of Underdevelopment and Strategies of Development 3. Poverty and Inequality 4. Globalization 	 Understand and justify the alternative concepts of development. Analyse various demographic concepts and their evolution with the help of different theories and models Discuss different aspects of international trade and know the structure and functions of different international financial and trade organisations. Learn the different measures of poverty and inequality and interpret the linkages between growth and inequality
 DSE Course – Group A (a) - Applied Econometrics - ECOADSE01T Stages in Empirical Econometric Research Essential steps in Primary data collection Application of Statistics Application of Econometrics Introduction to Econometric Software Package 	 The research methodology, the fundamental steps in primary data collection, the analysis of data in terms of charts, diagrams both for primary and secondary data, estimation of descriptive statistics. The Linear Econometric Model with deep understanding of the problems of Multicollinearity, Heteroscedasticity, Auto-correlation and Dummy variables.

 DSE Course - Group A (b) - Public Economics - ECOADSE02T 1. Nature and Scope of Public Economics 2. Theory of Public Good 3. Taxation 4. Public Expenditure and Public Debt 	 The econometric software package SPSS or E–VIEWS or STATA The nature and scope of Public Economics illustrating the role of state in a mixed economy. Concept and deep understanding of the theory of public good. Different principles of government taxation and its impact on saving, risk bearing and work effort of economic agents. Different concepts of deficit in government budget and effects of public debt on a society.
 DSE Course – Group A (c) - Economics of Health & Education - ECOADSE03T 1. Role of Health and Education in Human Development 2. Microeconomic Foundations of Health Economics 3. Evaluation of Health Programs 4. Health Sector in India: An Overview 5. Education: Investment in Human Capital 6. Education Sector in India: An 	 The importance of education and health in human development. The microeconomic foundations of Health economics, like, uncertainty in health insurance market, market failure and public intervention, inequality aspect etc. The evaluation of different health programs.

Overview	 Different aspects of Economics of Education, like, Rate of return to education as an investment in human capital, quality of education, theories of different types of discriminations in education sector in India etc. An overview of health and education in India.
SEMESTER 6 Core Course 13 - Indian Economy -	COURSE OUTCOME Decipher the structural changes of the
 ECOACOR13T 1. Economic Development since Independence 2. Population and Human Development 3. Growth and Distribution 4. Macrosconomic Deligion and Their 	 Indian economy in the plan period considering the backward nature of the economy Identify the key issues related to Indian agriculture, industry,
 Macroeconomic Policies and Their Impact 	unemployment and poverty in both pre and post reform periods and their policy relevance.
	• Comprehend the objectives, success and failures of India's five year plans and the recent changes in the emphasis
	• Realize and economically interpret the alterations in the government policies related to financial market, public economics and foreign trade
Core Course14 - International Economics -	• Assess the Classical and Neo-classical

 ECOACOR14T 1. International Trade: Ideas and Concepts 2. Theories of International Trade 3. Trade Policy 4. Balance of Payment 	 theories of trade through the concepts of gains from trade, terms of trade, and absolute and comparative advantage Compare among various trade restriction policies and their welfare implications Relate international trade with factor income and country size with gains from trade Identify the policies for ensuring internal and external balance in a nation
 DSE Course - Group B(a) - Contemporary Development Economics - ECOADSE04T Meaning of Economic Development Poverty and Inequality Political Institutions and the State Individuals, Communities and Collective Outcomes Environment and Sustainable Development Globalization 	 To impart extended knowledge of different development indices like HDI, hpi, Inequality etc.; To discuss alternative institutional trajectories and their relationship with economic performance; To elaborate individual behavior with social environment , individual responses to organizational inefficiency; To discuss the concept of sustainable development in consideration with environment

 DSE Course - Group B(b) - Financial Economics - ECOADSE05T Investment Theory and Portfolio Analysis Deterministic cash-flow streams Single-period random cash flows CAPM Options and Derivatives Corporate Finance 	 To give the idea on theory of interest and different concepts related to interest like interest rate sensitivity, yield curves, immunization etc., To discuss the asset returns, portfolio analysis, risk-free assets , capital market ; To explain the contracts , future prices, stock index futures, the principle of arbitrage, and financing in the corporate sector; To develop comprehensive knowledge on the role of finance in the operation of an economy.
DSE Course – Group B (c) - Project/ Dissertation - ECOADSE02P The course is aimed at providing students the scope to develop the skill of taking up independent analytical research project where they can learn how to select a real life problem, transform the problem into a research question and to apply an analytical framework based on theories learnt and use quantitative tools and problem designing skill. The students are supposed to come up with a conclusive answer to the research question. Finally a report will have to be submitted by the student. This exercise is expected to	 A brief and precise research work. Research analysis on contemporary socio-economic issues by applying research methodology. Data presentation, economic analysis and preparation of dissertation using statistical and simple econometric tools. The concise form of presentation and this concept will be helpful in their future academic and job assignments.

COURSE OUTCOME ECONOMICS (GENERAL)

COURSE SPECIFIC OUTCOME ECONOMICS (GENERAL)

SEMESTER 1	COURSE OUTCOME
GE1PAPER NAME:INTRODUCTORY MICROECONOMICSCODE: ECOHGEC01T1. Basic Concepts	• Illustrate how microeconomic concepts can be applied to analyze real-life situations.
 Duste Concepts Consumers' Behaviour Producers' Behaviour Market Structure: Perfect Competition Market Structure: Imperfect Competition Theory of Distribution 	 Decipher the optimisation techniques of the consumer and producer and cost pattern of the firms Realise the differences between competitive and imperfectly competitive market structures on the basis of pricing policies, features and assumptions Comprehend the factor pricing techniques
SEMESTER 2	COURSE OUTCOME
GE2 PAPER NAME: INTRODUCTORY	• Grasp the basic foundations of Banking structure and Financial markets by which

 MACROECONOMICS CODE:ECOHGEC02T 1. National Income 2. Macro economic theories 3. Money and banking 4. Inflation 	 they can comprehend different banking, fiscal, and monetary events of the economy. Differentiate Gross Domestic Product and Gross National product and compare national income with personal income
	 Determine equilibrium income in a Keynesian two-sector model and equilibrium employment and income in the Classical Model Realize the causes, types and consequences of inflation in an economy and the relevant anti-inflationary policies.
SEMESTER 3	COURSE OUTCOME
GE3 : DEVELOPMENT ECONOMICS CODE: ECOHGEC03T	• Distinguish between growth and development and gather a fair idea about the growth indicators and HDI
	• Understand and interpret the complementary role and the inter-linkage of agriculture and industry
	 Assimilate the basic themes and facets of the gender discrimination Comprehend the two way relationship

	between population growth and economic development
SEMESTER 4	COURSE OUTCOME
GE4 : INDIAN ECONOMY CODE: ECOHGEC04T	• Decipher the sectoral changes in the distribution of national income in the
	plan period considering the basic features of Indian economy
	• Acknowledge various agricultural, industrial issues and development in the pre and post-reform era
	 Identify and compare the role of commercial banks and central bank (Reserve bank of India) and analyse the paradigm shift in the monetary policy of RBI
	• Understand the debate regarding centre- state financial relationships and gather information about the sources of revenue and expenditure of state and central governments.
	• Assess the volume and direction of Indian foreign trade in the post-reform era

<u>4-YEAR UNDERGRADUATE PROGRAMME (HONOURS/HONOURS WITH</u> <u>RESEARCH) WITH ECONOMICS MAJOR</u>

PROGRAMME OUTCOME : ECONOMICS B.A./B.Sc. COURSE

This is undergraduate B.A./B.Sc. Economics Honors course which is offered under the National Education Policy (NEP),2020 w.e.f. Academic Session 2023-24. After successful completion of this B.Sc. Economics Honors course students will be able to:

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- Apply economic theories and concepts to current social issues, as well as evaluation of policies.
- Learn to do some basic research work in the final semester.
- Develop an awareness of various career options and also the choices for higher studies.
- Build up a professional carrier as economists, teachers, researchers, financial advisors, economic planners, policy makers, business administrators, entrepreneurs etc.

COURSE OUTCOME ECONOMICS (HONOURS)

SEMESTER 1	COURSE OUTCOME
DS 1 – Introductory Microeconomics	• Introduce with the basic problem of
1. Exploring the subject matter of Economics	the economy and optimal allocation of
2. Supply and Demand: How Markets Work,	resources accordingly.Understand basic microeconomic
Markets and Welfare	• Understand basic microeconomic concepts like demand, supply,
3. The Households	production, cost, revenue and profit
	and the theories explaining their

4. Production and Cost	determination.
5. Market Structure	 Learn how the various economic agents like consumers, firms behave rationally to optimize their goals given the economic resources. Understand market clearing process with the help of demand supply apparatus and the role of the government.
 SE 1- Survey Methodology 1. Introduction, Inference and Error in Surveys 2. Sampling in Survey Research 3. Mode of Data Collection 4. Nonresponse 5. Post-Survey Processing; Estimation (Lepkowski) 	 Different methods of data collection through field survey. Process of sampling and data collection Ideas on large scale sample survey methods Practical methods of sample handling which will help them in project work.
SEMESTER 2	COURSE OUTCOME
 DS- 2 Introductory Macroeconomics - Introduction to Macroeconomics and National Income Accounting Money 	 The nature and basic concepts of Macroeconomics. The concept and measurement of different components of national income and its importance as an

• Inflation	indicator of economic welfare.
• The Closed Economy in the Short Run	• The construction and measurement of aggregate macroeconomic variable like savings, investment, GDP, balance of payment, unemployment, money and inflation.
	• The income determination in the closed economy in short run in Classical and Keynesian system, with essential impacts of fiscal and monetary policy variables, IS-LM model, concept of multipliers.
 SE 2- Indian Official Statistics 5. Introduction 6. Economic Census 7. Sources of demographic data 8. International Statistical System 	 The goal of this paper is to make students aware of different sources of official data. They will know about different types of statistics and how to use them for any research work. Get idea on Indian official Statistics associated with collection, compilation and publication of data set at the national/state and even regional level

COURSE OUTCOME ECONOMICS (MINOR)

SEMESTER 1	COURSE OUTCOME
MA-1 INTRODUCTORY MICROECONOMICS 1. Basic Concepts	 Illustrate how microeconomic concepts can be applied to analyze real-life situations. Desigher the optimization to chairway of the
 Consumers' Behaviour Producers' Behaviour Market Structure: Perfect Competition 	• Decipher the optimisation techniques of the consumer and producer and cost pattern of the firms
 Competition 5. Market Structure: Imperfect Competition 6. Theory of Factor Prices: Rent and Wage 	 Realise the differences between competitive and imperfectly competitive market structures on the basis of pricing policies, features and assumptions Comprehend the factor pricing techniques
MD-1 UNDERSTANDING ECONOMICS	• Understand the scope of economics
 Exploring the subject matter of Economics 	• Conceptualise the problem of scarcity and the allocation of resources
 Supply and Demand: How Markets Work Macroeconomics: An Overview 	• Comprehend two pillars of Economics and theoretical bases
4. Indian Economy	 Give idea on major economic terms Learn an overview of Indian economic system
SEMESTER 2	COURSE OUTCOME

MA-2 INTRODUCTORY MACROECONOMICS

- 1. National Income
- **2.** Macro economic theories
- **3.** Money and banking
- **4.** Inflation

- Grasp the basic foundations of Banking structure and Financial markets by which they can comprehend different banking, fiscal, and monetary events of the economy.
- Differentiate Gross Domestic Product and Gross National product and compare national income with personal income
- Determine equilibrium income in a Keynesian two-sector model and equilibrium employment and income in the Classical Model
- Realize the causes, types and consequences of inflation in an economy and the relevant anti-inflationary policies.