DEPARTMENT OF ECONOMICS

ORIENTAL COLLEGE (AUTONOMOUS), TAKYEL, IMPHAL

TEACHING PLAN (CBCS effective from 2020)

PROGRAMME OBJECTIVES

PO-1	To train students in basic economic theory;
PO-2	To equip students with the mathematical and statistical techniques necessary for proper understanding of the discipline;
PO-3	To enable to discuss real world economic issues and problems facing the and the world;
PO-4	To enable students to understand proper policy responses to economic problems;
PO-6	To train students to collect primary data and learn sampling techniques;
PO-7	To train students to use statistical and econometric methods to arrive at conclusions about the validity of economic theories;
PO-8	To train students to learn the art of economic modelling.

PROGRAMME LEARNING OUTCOMES

Upon the completion of B.A 8th Semester in Economics, the students will be able to

PO-1	Get an understanding of the basic economic theory.
PO-2	Learn the mathematical & statistical techniques necessary for proper understanding of the discipline.
PO-3	Get an introduction to real world economic issues & problems facing the country and the world.
PO-4	Gain an understanding of proper policy responses to economic problems.
PO-5	Get trained to collect primary data& learn sampling techniques.
PO-6 l	Learn to use scientific empirical methods to arrive at conclusions about the validity of economic theories.
PO-7	Get trained in the art of economic modelling.

SEMESTER – I (2020 July-Dec Session)
ECONOMICS HONOURS COURSE
INTRODUCTORY MICROECONOMICS (ECO-HC-1016)

No. of Hours per Week	Credits	Total No. of Hours	Marks
6	6	90	100

Course Objectives:

- To introduce to the students the concept of economics and basic economic problems.
- To assist them in knowing about markets & its efficiency.
- To acquaint the students consumer's theory of equilibrium.
- To analyze the role of household sector in economic growth.

Course Outcomes:

Upon completion of this course the students will be able to

- Get acquainted with various economic concepts and economic problems.
- Appreciate the role of markets in the economic development
- Understand the demand theory
- Enhance their knowledge about household sector and its contribution to the growth of the economy.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assessment/ Evaluation
I	1	Meaning of economics-scope and methods	5	Will have understanding of meaning of economics and its subject matter. Will have knowledge of methods also	Lecture and discussion	Class test/seminar/assignment/group discussion/quiz/Q&A session
	2	Concepts of economic problems-what to produce,how to produce and for whom to produce. Economic systems and types	7	Will have understood economic problems and types of economic systems	Lecture and presentation	-----do----
	3	Concept of equilibrium	3	Will have knowledge about equilibrium and its types.	Lecture and discussion	---do----
II	1	Markets and its various forms	7	Will have understood market and various forms	Lecture and discussion	----do----
	2	Price controls and taxation	3	Will have knowledge about need to control prices and taxation.	----do----	Class test/seminar/assignment/group discussion/quiz/Q&A session
	3	Equilibrium of firm and industry	5	Knowledge about firm's equilibrium	Lecture and illustration	-----do------

III	1	Demand :meaning and law of demand and shift in demand curve	5	Understood about demand and shift in demand curve	Lecture and presentation	- ----do-----
	2	Consumer' theory—Indifference curve analysis- income,substitution and price effects.	5	Will have knowledge about consumer's equilibrium	Lecture and demonstration	Class test/seminar/assignment/group discussion/quiz/Q&A session
	3	Slutsky equation and revealed preference theory	5	Will have knowledge about slutsky equation and choice revealed preference theory	Lecture and discussion	-------do-----
IV	1	Household sector –definition and its importance	5	Will have ideas about household sector and its role in the economy	Lecture and discussion	Class test/seminar/assignment/group discussion/quiz/Q&A session
	2	Budget constraint, consumption and income/price changes	4	Able to know budget constraint and its effects on consumption	Lecture and discussion	

					------do------
	3	Labour supply and saving decisions.leisure and consumption	6	Will have understand labour supply. Trade off between leisure and consumption.	Lecture and discussion	Class test/seminar/assignment/group discussion/quiz/Q&A session

Reference books:
1.Principles of Microeconomics by H L Ahuja.
2.Microeconomics by Jonathan Hamilton and Valerie Suslow.

Course Teacher: **L. Elithoi Chanu**   HOD:

Semester: I (2020)
Mathematical Methods in Economics-I
(ECO-HC-1026)

Course Objectives

CO 1.	To understand the basic concepts of mathematics
CO 2.	To know the similarities and differences between equation and identities
CO 3.	To make the students aware of& the set and its properties & importance in different mathematical operations & applications.
CO 4.	To know various types of functions and their differences, operations & applications
CO.7	To understand the basic rules of differentiation, derivatives & its economic applications
CO. 8	To understand the basic knowledge of optimization & its application in microeconomics
CO.9	To understand about integration & its basic rules & its economic applications

Course Outcomes

CO NoC	Course outcome upon competition of this course, students will be able to

CO 1.	Understanding basic concepts of mathematics which are widely used in social science
CO 2.	Calculate a variety of numerical problems
CO 3.	Identify proper mathematical, techniques to analyze economic phenomena
CO 4.	Simplify the economic analysis
CO 5.	Solve economic problems with the help of mathematical techniques

Total contact hours: 90 (including lecturers, tutorials, assignment and test etc.)

Unit	Section	Topic	Lecture hours	Learning outcomes	Pedagogy	Assessment Evaluation
I	1.	Number system, variables constant and parameters	5	Will understand the basic concepts of mathematics.	Lecture discussion	CIA
	2.	Equation and identities	2	Will learn similarities and differences between equation and identities	Lecture illustration	Formative assignment CIA
	3.	Sets and set operations	5	Will understand kinds of set and importance of set in different mathematical problems, say, probabilities	Lecture Calculation discussion	Home assignment and CIA
II	1.	Types of functions: Quadratic, Polynomial, power exponential functions	4	Will have knowledge on various types of functions and their differences	Lecture Calculation	Formal assessment CIA
	2.	Sequences and series, convergence	3	Will know the sequence of various types of series convergence and divergence of series.	Lecture practice	Home assignment

						illustration	CIA
	3.	Continuous functions: characterization properties with respect to various operations and applications	5	Will understand the properties of different types of series with respect to various application	Lecture	Formal assessment CIA
III	**1.**	Differentiation of a function: basic rules of differentiation	3	Will have the idea on how to differentiate various types of function	Lecture practice	Formal assessment CIA
	2.	Partial and total differentiation, second and higher order of derivative for single variable	4	Will understand both partial and total derivatives as well as second and higher order of derivatives	Lecture calculation	Home assignment CIA
	3.	Economic application of differentiation	5	Will learn about application derivatives in economic phenomena like demand supply elasticity etc.	Lecture calculation	Home assignment CIA
IV	**1.**	Local and global optima, geometric characterisation: characterisation using calculus	4	Identify both global and local optima, geometric characterisation and characterisation using calculus	Lecture	Formal assessment CIA
	2.	Test for maximisation and minimisation	4	Will have the knowledge about explanation of tests to identify maximum or minimum with differential calculus	Lecture calculation	Home assignment CIA
	3.	Applications: profit maximisation, cost minimization , revenue maximisation	4	Wiil have the ideas on the application of calculus for achieving profit and revenue maximisation and cost minimization	Lecture calculation	Home assignment CIA
V	**1.**	Meaning and significance of integration, basic rules of integration, significance of a constant after integration.	6	Will learn how is a integrated as a reverse of derivative rules to integrate functions. Importance of a constant after integration	Lecture practice	Home assignment CIA

2.	Economic application; derivation of total functions from marginal functions	6	Will understand economic application of integration. Technique of finding total cost function and total revenue function from marginal cost and marginal revenue functions.	Lecture calculation	Home assignment

Course Teacher: Md.Dr. Asraf Ali   Signature of HOD

Semester - II (2021 Jan-June)
Introductory Macroeconomics (ECO- HC-2016)
Total contact hours: 90 hrs.(including Remedial/Tutorial ,Unit Test,Seminar,Quiz/Group Discussion

No of hours/week	Credits	Total No. of Hours	Marks
6	6	90	100

Course Objectives:
1. To introduce to the students the basic concepts of macroeconomics
2. To make the students aware of the concepts & measurement methods of National Income
3. To understand the about the money, its functions ,theories , determination of money demand& supply
4. To know the concept of inflation, deflation its effects& anti-inflationary measures
5. To understand the classical &Keynesian model of Income determination& IS-LM model

Course Outcomes
1. The students will learn about the basic concepts of macroeconomics
2. They will have the ideas on the different concepts& measurement methods of National Income

3. They will learn about money, its functions , theories determination of money demand and money supply
4. They will have the ideas on inflation , deflation & its effects in the economy& Anti-inflationary policies.
5. They will learn about the classical & Keynesian income determination model& their differences& the model of IS-LM.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assesment/ Evaluation
I. Introduction to Macroeconomics	1.	Meaning & Subject matter of Macroeconomics; Mico vs Macroeconomics	4	Will understand the meaning & subject matter of Macroeconomics& Difference between Micro& Macroeconomics	Lecture/PPT /Discussion	Test/Seminar /Assignment /Group Discussion Quiz/Q&A Session
	2	Basic Issues Studied in Macroeconomics	4	Will know about various macroeconomic issues.		
	3.	Importance & limitation of Macroeconomics	4	Will learn about the importance of macroeconomics& its limitations as well.		
II. National Income acccounting	1	Concepts of National Income& Significance of National Income Estimates	4	Will understand various concepts of National Income & Significance of national income estimates.	Lecture/PPT /Discussion	Test/Seminar /Assignment /Group Discussion Quiz/Q&A Session
	2	Measurement of National Income : Expenditure &Circular Flow methods	4	Will know about different methods of National Income estimation		
	3	National Income Accounting for an open Economy; Balance of Payments: Current & Capital Account	4	Will have the knowledge about the national income accounting for an open economy, BOP		

III. Money	1	Money: meaning & Functions of Money	2	The students will have the concept& different functions of money	Lecture/PPT /Discussion	Test/Seminar /Assignment /Group Discussion Quiz/Q&A Session
	2	Quantity Theory of Money	4	They will understand different theories of quantity of money& their limitations		
	3	Determination of demand for & Supply of Money	2	They will have the Knowledge about the various factors which determine both demand for & supply of money.		
	4	Tools of Monetary Policy& Credit Creation	4	They will know about the process of credit creation by the banks &various tools of monetary policy instruments to regulate money supply & credit.		
IV. Inflation	1.	Inflation : Meaning & types of Inflation	4	The students will learn about concept of inflation & various types of Inflation.	Lecture/PPT /Discussion	
	2	Causes & Social Cost of Inflation	4	They will have the knowledge about the consequences of inflation on different sections of the society.		Test/Seminar

	3	Hyper Inflation	4	The learner will know in detail the serious impact of hyper inflation in the economy.		/Assignment /Group Discussion Quiz/Q&A Session
	2	Simple Keynesian model of Income determination	2	Will learn about the Keynesian model of the determination of income, employment& output.		
	3	IS- LM Model	3	Will understand about the simultaneous equilibrium of three markets—labour , goods & money market under IS-LM framework		
	4	Fiscal & monetary multiplier	4	Will learn about the process of fiscal & monetary multiplier in the economy.		

Reference Books:

1. Dornbusch, Fischer& Startz: Macroeconomics, Mc Graw Hill
2. N.Gregory Mankiw   : Macroeconomics, Worth Publishers

Course Teacher: L. Elithoi Chanu   Signature of the HOD

Course Title: Mathematical Method in Economics II
Course Code: ECO-HC-2026

Course Objectives

CO.1	To introduce to the students the matrix Algebra, its operations& simultaneous equations
CO.2	To assist them in understanding functions of several real variables.
CO 3.	To make students aware of the multi-variable optimization & its applications to economic problems.
CO 4.	To understand the difference between differential equation & difference equation & their application to market model.

Course Outcome

CO No.	Course outcome upon completion of this course, students will be able to
CO 1.	Get knowledge to complement the first part for learning the body of basic mathematics with which they can analyse economic problems.

CO 2.		Understand mathematical foundations required for further study of a variety of discipline including PG in economics.				
CO 3.		Become successful entrepreneurs, businessmen etc. as they got the technique of analysing and solving economic problems				
CO 4.		Be a competent person for employment in corporate sector as analyst.				

Total hours: 90 (including lecturers, tutorials, assignment and test)

Unit	Section	Topic	Lecture hours	Learning outcomes	Pedagogy	Assessment Evaluation
I	1.	Matrix algebra; Matrix operation; addition subtraction, multiplication.	5	Will understand matrix and matrix operations	Lecture Calculation	Formative assessment CIA
	2.	Determinant, rank and inverse of matrix	4	The learners will be able to explain determinants rank and inverse of matrix	Lecture Calculation	Home assignment CIA
	3.	Cramer's rule for solution of simultaneous equation	5	Will understand the simplified ways of solving simultaneous equations by using matrix algebra.	Lecture Calculation	Home assignment CIA
II	1.	Homogeneous functions and Homothetic functions, homogeneous function and Euter's theorem.	4	They will be able to explain concepts, similarity and differences between Homogeneous and Homothetic functions.	Lecture illustration	Formative assessment CIA
	2.	Cobb – Douglas production function and its properties	5	Will have a clear understanding of the properties of Cobb-Douglas production function, Cobb-	Lecture illustration	Formative assessment CIA

				Douglas production function as homogeneous function		
	3	Implicit function theorem and its applications	5	Will have the knowledge on the application of implicit function theorem in economics.	Lecture illustration	Formative assessment CIA
III	1.	Constrained optimization with equality constraints	5	Will understand the attainment of optimum of a function with constraints.	Lecture Calculation	Formative assessment CIA
	2.	Methods and interpretation of Lagrange multiplier. Application of Lagrange multiplier in economics.	7	They will be able to explain the implication of Lagrange multiplier Application of it in maximizing profit, utility etc. when constraints are involved.	Lecture illustration Calculation	Formative assessment CIA
IV		Meaning of linear first order differential equation, application to market model.	10	Will understand the meaning of first order differential equation and application of it to market model.	Lecture Calculation	Home assignment CIA
V		First order difference equation, Cob-web market model	10	Will learn know the first order difference equation and explanation of Cob-web market model.	Lecture illustration	Formative assessment CIA

Course Teacher: **Md. Dr. Asraf Ali**   **Signature of HOD**

Semester – III (2021-July-Dec Session)
Intermediate Microeconomics-I (ECO- HC -3016)
Total contact hours: 90 hrs(including Tutorials/Remedials, Unit Test/Quiz/Group Discussion)

No of hours/week	Credits	Total No. of Hours	Marks
6	6	90	100

Course Objectives:

1. To introduce to the students concept relating to individual economic agents
2. To assist them in understanding the basic elements of consumer& production theories
3. To acquaint the students with the actual working of individual economic agents.

Course Outcomes:
Upon the completion of the course the students will be able to

1. Get acquainted with the basic concepts relating to producers& consumers
2. Appreciate the value of economic reasoning
3. Understand the nature & interdependence between different markets

4. Enhance their ability to understand the real working of economic forces.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assesment/ Evaluation
1		Monopoly market, Government policy towards competition	15	Understand monopoly, its merits& demerits, policy suggestions.	12 lectures 3 remedial& Interaction classes	Unit Test Home assignment
2		Input Markets, demand& supply of factor inputs; public policy	15	Understand the factor market& its relationship with product market.	12 lecture 3 remedial& Interaction classes	Unit Test
3		Production , cost, Isoquants, least cost combination of factors , laws of returns	15	Understand rational behaviour of producers, least cost combination of factors.	12 lectures 3 remedial& Interaction classes	Unit Test-Project work
4		Oligopoly& monopolistic markets, product differentiation & equilibrium	15	Understand oligopoly& monopolistic market which are More realistic	12 lectures 3 remedial& Interaction classes	Unit Test

N.B. Regarding Quiz, Group discussion & Seminar will be any topic in the syllabus.

Course Teacher: **Ch.Somorendro Singh**   **Signature of HOD**

SEMESTER-III(2021July-Dec)
Intermediate Macroeconomics -I ECO- HC -3026)
Total contact hours: 90 hrs.(including Remedial/Tutorials, Unit Test, Quiz/Group discussion/Seminar)

No of hours/week	Credits	Total No. of Hours	Marks
6	6	90	100

Course Objectives:

1. To introduce to the students the Macroeconomic tools of classical& Keynesian aggregate demand and aggregate supply for Macroeconomic modelling

2. To assist them in appreciating the role of macroeconomic policy of the government in the determination of macroeconomic variables in the shot-run as well as in the long –run.

3. To acquaint the students the terms such as unemployment and inflation & their relationship.

4. To understand the fundamentals open economy macroeconomics, models & issues .
5. To make students aware of the financial markets, Financial sector reforms& lessons from Global financial crises & and India's policy response.

Course Outcomes:

Upon completion of this course the students will be able to

1. Get acquainted with macroeconomic tools and macroeconomic models.

2. Appreciate the role of macroeconomic policies such as fiscal and monetary policy in affecting macroeconomic variables in the short-run and long-run.

3. Understand the fundamentals of open macroeconomic models & issues.

4. Enhance not only their understanding about the financial market, India's financial sector reforms but also lessons from global financial crisis.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assesment/Evaluation
I	1	Concept of Aggregate demand & Aggregate Supply	4	Will understand the concepts of Aggregate Demand& Aggregate Supply	Lecture/PPT/Discussion	Class Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session
	2	Derivation of Agg Demand& Agg. Supply through IS-LM model	4	Will have the understanding about the goods & money market and their relationship between Agg Demand & agg Supply	Lecture/PPT/Discussion	
	3	Interaction of Agg Demand& Agg.Supply,Shifting of IS & LM curve on output , employment & prices	4	Will have the Knowledge about the implication of Fiscal & monetary policy on agg. demand, prices, output, & employment in the economy	Lecture/PPT/Discussion	

II	1	Inflation – Unemployment Trade-off& Phillips Curve	4	Will understand the concepts of Inflation, unemployment &Phillips Curve. Further students will be able e to explain the relationship between inflation and unemployment.	Lecture/PPT/Discussion
	2	Adaptive & Rational Expectations	4	Will have the knowledge about expectation & its variants.	Lecture/PPT/Discussion
	3	Policy Ineffectiveness& challenges in controlling Inflation & unemployment	4	Will be able to appreciate the policy ineffectiveness & challenges in during Inflation &unemployment in the economy.	Lecture/PPT/Discussion

Class Test/Seminar/Assignment/Group Discussion Quiz/Q&A Session

Unit	Section	Topic	Lecture hours	Learning Outcome	Pedagogy	Assesment/Evaluation
III	1	Balance of Payments& Causes of BOP disequilibrium& Corrective measures	4	The students will be able to understand the concepts of BOP ,problems and corrective measures.	Lecture/PPT/Discussion	Class Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session
	2	Foreign Exchange Rate: Determination of Foreign Exchange Rate.	4	The students will have the knowledge About foreign exchange rate & how the equilibrium rate of exchange is determined.	Lecture/PPT/Discussion	
	3	Exchange Rate System: Fixed & Flexible Exchange Rates, Purchasing power parity theory	4	The student will aware the concepts of fixed& flexible exchange rate, purchasing power parity & the different exchange rate regimes in the world since post war periods till present.	Lecture/PPT/Discussion	

Unit	Section	Topic	Lecture hours	Learning Outcome	Pedagogy	Assesment/Evaluation
	1	Short –Run Open economy Models: The Basic Mundell-Flemming Model	6	The students will understand the nature of short-run open economy model in general & Mundell-Flemming Model in particular	Lecture/PPT/Discussion	Class Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session

IV						
	2	Dornbusch's Overshooting Model: Is merits & demerits	6	The students will have enough idea about the Dornbusch Overshooting Model And its limitations	Lecture/PPT/Discussion	Class Test/Seminar /Assignment/Gr oup Discussion Quiz/Q&A Session

V	1	Financial Markets: Functios of Finncial Markets; Banks & Financial Markets.	4	The learners will have a better understanding of the concepts , functions of financial markets and will be able to distinguish banks & financial markets.	Lecture/PPT/Discussion	Class Test/Seminar /Assignment/Gr oup Discussion Quiz/Q&A Session

	2	Adverse Selection & Moral Hazards	2	The students will have the ideas on Adverse selection & Moral Hazards	Lecture/PPT/Discussion	Class Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session
	3	Financial Sector Reforms in India ; Lessons from Global Financial Crisis& Policy response in India.	6	The Students will get not only a thorough knowledge on Financial Sector Reform in India since 1990s , Global Financial Crisis & its impact in different parts of the world and Policy response in India as well.	Lecture/PPT/Discussion	

Reference Books:

1. N.Gregory Mankiw: Principles of Macroeconomics
2. Rudiger Dornbusch,Stanley Fischer
   &Richard Startz   :   Macroeconomics
3. Andrew B.Abel, Ben S Bernanke
   & Dean Croushore : Macroeconomics

Course Teacher: **Dr.Gurumayum Ranita Devi**   Signature of HOD

Statistical Methods for Economics, (ECO- HC -3036)
Total contact hours**: 90 hrs(including Tutorials/Remedials, Unit Test/Quiz/Group Discussion)**

COURSE OBJECTIVES

CO1.	To understand the students about population and sample and difference between sample statistics and population parameter
CO 2.	To know mean median and mode for understanding the character of different distribution
CO 3.	To Acquaint with Range and other measures of deviation for analyzing data.
Co.3	To make the students about the concepts of random variables, probability, properties of probability distributions.
CO 4.	To give basic ideas on random sampling& jointly distributed random variables.
CO.5	To provide knowledge about sampling , properties, methods & role of sampling theory.

Course Outcomes

CO No.	Course outcome upon competition of this course, students will be able to
CO 1.	Understand basic concepts like population, sample, population parameter and sample statistics
CO 2.	Analyse the nature and character of various distribution series
CO 3.	Compare different distribution series

CO 4.	Understand probabilities under different conditions.
CO 5.	Understand the significance of probability with respect to other statistical explanation like random variable and random sampling etc.
CO 6.	Acquire the knowledge of sampling for studying population parameters.

Unit	Section	Topic	Lecture hours	Learning outcomes	Pedagogy	Assessment Evaluation
I	1.	Distinction between population and sample, population parameter and sample statistics.	2	To understand population and sample and difference between sample statistics and population parameter	lecture	CIA
	2.	Measures of location	5	To know mean median and mode for understanding the character of different distribution	Lecture calculation	Home assignment CIA
	3.	Measure of variation to summarise data and population moment	5	Range and other measures of deviation will be understood for analyzing data.	Lecture calculation	Home assignment CIA
II	1.	Sample space and events.	2	Know the concepts like sample space experiments and events etc.	Lecture	CIA
	2.	Probability axioms and properties; probability of event, addition and multiplication theorems	5	To understand the probability of an event and basic laws of probability	Lecture calculation	Home assignment CIA
	3	Mutually exclusive and complementary events, conditional probability and Bayes rule	5	To gain the knowledge of probability of different kind of events	Lecture calculation	Home assignment CIA
III	1.	Defining random variables and probability distributions expected values of random variables.	5	Understanding random variables and expected values of random variables under different experiments subject to probability outcome	Lecture	CIA
	2.	Functions of random variables, properties of commonly used discrete and continuous distributions	7	To know the theories of probability distribution like binomial, normal and Poisson distributions	Lecture calculation	Formative assessment CIA

IV	1.	Density and distribution for jointly distributed random variables	6	Understanding density functions of jointly distributed random variables	Lecture illustration	CIA
	2.	Computing expected values; covariance and correlation coefficients	6	To solve the problems related to jointly distributed random variables	Lecture calculation	Home assignment CIA
V	1.	Main steps in a sampling survey: Methods of sampling	6	Enable to choose appropriate methods for sampling	Lecture	Formative assessment CIA
	2.	The role of sampling theory: properties of random samples	6	Understand the importance and uses of sampling	Lecture	CIA

Course Teacher: Md. Dr. Asraf Ali   **Signature of HOD**

Semester – IV (2022 Jan-June Session)

Intermediate Microeconomics-II (ECO- HC -4016)

Total contact hours: 90 hrs(including Tutorials/Remedials, Unit Test/Quiz/Group Discussion)

No of hours/week	Credits	Total No. of Hours	Marks
6	6	90	100

4. To introduce to the students concept of general equilibrium; interdependence of different markets.
5. To assist them in understanding social welfare and effects of market failure
6. To acquaint the students with the real or practical operation of the markets rather than theoretical.

Course Outcomes:
Upon the completion of the course the students will be able to

5. Get acquainted with practical operation of the markets &its real impacts in the economy.
6. Appreciate the policy measures of correcting inefficiency of markets.
7. Understand the concept of social welfare& different criteria to achieve it.
8. Enhance their knowledge of the effect of economic forces operating & their impact on other dimensions of the society.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assesment/ Evaluation
I. General Equilibrium		General equilibrium, Walrasian System, Efficiency in pure exchange, production	15	The students will understand the concepts, weaknesses of partial equilibrium analysis, efficiency in production&	Lecture - Cum Interaction	Unit Test Home assignment/quiz

				exchange		
II. Social Welfare		Social Welfare, measurement, pareto optimality, compensation principle, welfare maximization	15	Understands the problems associated in measuring social welfare	Lecture - Cum Interaction	Unit test /quiz
III. Market Failure		Market Failure, externalities, measures of correcting market failure	15	Understands that in reality, market does not work efficiently, and measures are to be taken	Lecture - Cum Interaction	Unit Test/ Group Discussion
IV. Markets with Asymmetric Information		Market signalling, adverse selection, moral hazard, principal agent problem	15	Understands the problem of adverse selection & moral hazard	Lecture - Cum Interaction	Unit Test/Project work

Course Teacher: Ch. Somorendro Singh   **Signature of HOD**

Semester – IV (2022 Jan-June Session)

Intermediate Macroeconomics-II (ECO- HC -4026)
Total contact hours**: 90 hrs (including Tutorials/Remedials, Unit Test/Quiz/Group Discussion)**

No of hours/week	Credits	Total No. of Hours	Marks
6	6	90	100

Course Objectives:

1. To introduce to the students the long- run issues of growth, technological progress,
2. To provide knowledge about consumption& investment functions.
3. To understand the students about the classical & Keynesian approaches on demand for & supply of money.
4. To impart knowledge about the fiscal& monetary policies.
5. To make thorough understanding of the different schools of macroeconomic thoughts.

Course Outcomes:

Upon the completion of the course, the students will be able to

1. Understand the working of the economy with long -run economic growth, & technical progress.
2. They will have the Knowledge about the business cycles.
3. Understand different approaches to the demand for and supply of money & various measures of money supply in India
4. Learn about the theories of consumption & investment functions.
5. Appreciate the beauty of different schools of macroeconomic thoughts.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assesment/ Evaluation
I. Modelling Economic Growth	1	Harrod-Domar Model	4	The students will understand the basic Harrod -Domar model of growth & their relevancy& limitations	Lecture - Cum Interaction	Unit test/quiz
	2	Solow Model	4	Will have knowledge about the sources of long -term economic growth & possibility of convergence of growth rate between developed 7 developing countries….		
	3	Joan Robinson & Golden Rule	4	Will have the idea on the John Robinson model & its significance		
	4	Technical Progress& Endogenous Growth Model	4	Will have the clear idea on the difference between endogenous growth & earlier models & beauty of endogenous growth.		
II. Consumption & Investment Functions	1	Income Consumption relationship; Propensity to consume & psychological law of consumption	2	Will understand consumption function & Keyne's Psychological Laws of Consumption	Lecture cum Interaction	Unit test / Home Assignment
	2	Factors Influencing Consumption Function& measures to raise consumption Function.	2	They will know about he determinants of consumption function& measures for raising consumption		

	3.	Absolute& Relative Income Hypothesis	3	Will learn absolute & relative Income hypothesis & their differences in regard to consumption behavior		
	4	Permanent Income Hypothesis	1	Will learn about the relationship between consumption & permanent income of the individuals		
	5	Investment Function, Autonomous& Induced Investment, Residential & Inventory Investment	2	Will understand different types of investment & investment function.		
	6	Determinants of Investment; Decision to Invest& MEC	2	Will know the various determinants of investment & Decision to invest in regard to Marginal efficiency of capital		
III. Demand for& Supply of Money	1	Demand For money in Classical, Neo-classical Approaches	3	Will get acquainted with the classical& Neoclassical approaches to the demand for money	Lecture Cum interaction	Unit Test/Group Discussion
	2	Keynes Demand for Money, Liquidity Trap& its implications	2	Will learn about to Keynesian theory of demand for money, the concept of liquidity trap & its implications.		
	3	Supply of Money: Classical& Neo-classical theory	3	Will have the Knowledge about the classical & Neoclassical theory of Supply of money		
	4	Keynesian Analysis of Supply of Money	2	Will have the clear idea of the Keynesian theory of supply of money& its dissimilarities from both classical& Neoclassical		

				version.		
	5	Measures of Money Supply in India	2	Will understand different measures of money supply i.e. $M_1, M_2, \& M_{3\ I}$ in India.		
IV. Fiscal& Monetary Policy	1	Monetary Policy: Active& Passive monetary policy; Objectives & target rules vs Discretionary monetary policy, Time consistency.	4	Will learn about monetary policy, its types, Objectives, Targets& time lag in monetary policy.	Lecture /Interaction	Unit Test /Quiz
	2	Fiscal Policy: objectives; Budget as an automatic Stabilizers.	4	Will understand the meaning of fiscal policy& its objectives; further, they will also learn about the budget as a stabilization measure.		
	3	Government Debt& Ricardian Equivalence	4	Will learn about government debt & Ricardian equivalence.		
V. Schools of Macroeconomic thoughts	1	Classical Macroeconomic thought	3	Will have a clear idea on the classical macroeconomic thought	Lecture cum interaction	Unit Test/ Project Work
	2	Neo-Classical Macroeconomic thought	4	Will understand Neo-classical macroeconomic thought.		
	3	Keynesian& New Keynesian Macroeconomic thought	5	Will learn about the Keynesian & new Keynesian macroeconomic thought & their distinction& implication.		

Reference Books:

1. Dornbusch, Fischer& Startz : Macroeconomics, Mac Graw Hill
2. N. Gregory Mankiw   : Macroeconomics, worth Publishers
3. Errol D' Souza   : Macroeconomics, Pearson Education.

Course Teacher: **Dr. Gurumayum Ranita Devi**   **Signature of HOD**

Semester – IV (2022 Jan-June)
Introductory Econometrics (ECO- HC -4036)
Total contact hours**: 90 hrs(including Tutorials/Remedials, Unit Test/Quiz/Group Discussion)**

Total contact hours: 90 hrs(including Tutorials/Remedials, Unit Test/Quiz/Group Discussion)

No of hours/week	Credits	Total No. of Hours	Marks
6	6	90	100

Course Objectives:

1. To introduce to the students about econometric methods for conducting empirical analysis in economics
2. To provide the students with basic quantitative techniques needed to undertake applied economic research.
3. To provide the base for more advance optional courses in econometrics.

Course Outcomes

1. **T**he students will learn basic econometric methods for conducting empirical economic analysis
2. They will also learn basic quantitative techniques needed for applied economic research.
3. They will understand the biases created through mis-specified models & omitted variables.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assesment/ Evaluation

I. Nature &Scope of Econometrics	1.	Definition, nature& Scope of econometrics	6	Will understand the idea on the nature& scope of econometrics		Test/Seminar /Assignment /Group Discussion Quiz/Q&A Session
	2.	Econometrics & economic models; Econometrics& Statistics	6	Will learn about the difference between econometric model& economic model & Statistics		
II. Statistical Concepts	1	Normal Distribution: Concepts, properties& uses	2	Will learn about Normal distribution, Its significance & properties.	Lecture/PPT /Discussion	Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session
	2	Test of Significance: chi-square, t & F distribution.	6	Will learn the knowledge about the test of significance & also will learn different test statistics chi-square, t & F test etc.		
	3	Hypothesis testing: Type I& Type II errors; Power of a test	2	Will have some ideas on hypothesis testing & different types of errors. It will also learn about the power of a test.		
	4	Parameters: estimation & properties of estimators	2	Will learn about the parameter & how to estimate the parameters & properties of an estimators		
III. Linear Regression model	1.	Two Variable Linear Regression Model, assumptions & estimation of model by ordinary Least Squares; properties of OLS& Standard Errors.	6	Will learn about two variable linear model, assumptions, its estimation by OLS, its properties & Standard Errors.	Lecture/PPT /Discussion	Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session

	2.	Gauss Markov Theorem	2	Will understand the Gauss-Markov Theorem.		
	3.	Goodness of Fit; Forecasting	2	Will have some ideas on goodness of fit of a model estimated& Foercasting & its importance.		
	4	Introduction to Multiple Regression Model	2	Will learn about Multiple Regression Model		

IV. Violation of Classical Assumptions	1	Multicolinearity, Causes ,consequences & remedial measures	4	Will learn about the problem of multicollinearity & cause & remedies.	Lecture/PPT/Discussion	Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session
	2	Heteroscedasticity& Serial Correlation: causes, Consequences& remedial Measures	8			
V. Specification Analysis		Omission of relevant variable; Inclusion of irrelevant variable; Test of Specification errors		Will learn about the omission of relevant variable affect the accuracy of a model & inclusion irrelevant variable also affect the model as well. They will understand the test of specification error.		Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session

Reference Books:

1. D.N. Gujarati & D.C Porter: Essentials of Econometrics. Mc. Graw Hill

2. Christopher Dougherty   : Introduction to Econometrics, OUP

Course Teacher: Md. Dr. Asraf Ali

SEMESTER-V (2022 July -Dec)
Indian Economy-I (ECO- HC -5016)

Total contact hours: 90 hrs (including Tutorials/Remedials, Unit Test/Quiz/Group Discussion)

No of hours/week	Credits	Total No. of Hours	Marks
6	6	90	100

Course Objectives:

1. To make the students understand the major trends of economic indicators in the post-independence period.

2. To make aware of the goals , constraints , different policy regimes adopted since independence for the development of the economy till present.

3. To acquaint the students the demographic trends& issues relating to education health malnutrition
4. To understand the trends and policies relating to poverty, inequality& unemployment
5. To make students aware of the two comparisons of two emerging economies   i.e. China & India

Course Outcomes:

 Upon completion of this course the students will be able to

1. Understand the trends and performance of Indian economy under different policy regimes since independence till today.

2. Get acquainted with the demographic trends & issues relating to health , education& malnutrition

3. Understand the concept of poverty, inequality& unemployment and their trends and policies of the government towards removal of poverty,

inequality & unemployment as well.

4. Enhance their understanding about the economic fundamentals of two countries i.e. China vs India.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assessment/ Evaluation
1. Economic development since Independence	1	Major Features of Indian Economy at Independence	2	Student will have the knowledge on the condition of the Indian economy at the time of independence.	Lecture/PPT/Discussion	Class Test/Seminar /Assignment/ Group Discussion Quiz/Q&A Session
	2	Growth& development under different Policy regimes& assessment of the performance	8	The learners will have the idea on different policies of import substitution industrialisation, liberalisation of the economy since 1990s & their Impact on the performance of the economy.		

	3	Saving & Investment in India	2	Will have the idea on the level of Saving & Investment requirement of the economy.		
	4	Structural Change of the Indian economy	3	Will understand the concept of structural change & nature of structural change taking place since independence.		
2. Population & Human development	1	Demographic Trends & Issues In India	4	Will learn about the demographic features of India & their impact on the Indian Economic development.	Lecture/PPT/Discussion	
	2	Education Sector in India	4	Will have the idea on importance of education in the development of a nation;Perfomance of different stages of Education in India& problems of Financing in education.		Class Test/Seminar /Assignment/ Group Discussion Quiz/Q&A Session
	3	Health Sector in India	4	Will learn about the Importance of Health in the economic development & growth. Expenditure on health sector in India		
	4	Malnutrition In India	3	The students will learn about concepts of malnutrition, magnitude of malnutrition, causes and consequences of malnutrition in future economic development of the country & govt. policy towards removal of malnutrition.		

3. Growth & Distribution	1	Poverty in India: Trends& Policies.	4	The students will have the clear idea of poverty issue, its trend& government policies towards poverty eradication in the country.	Lecture/P PT/Discus sion	Class Test/Seminar /Assignment/ Group Discussion Quiz/Q&A Session
	2	Inequality: Trends & Government Policies	4	Will be able to understand the concept & dynamics of inequality in India& its trend & policies of the Government for reducing the problems of inequality in India		
	3	Inequality: Trends & Government Policies	4	Will be able to understand the concept & dynamics of inequality in India& its trend & policies of the Government for reducing the problems of inequality in India		
4. International Comparisions	1	Comparative Study of two Emerging Countries: ChinaVs India	12	Will learn about the similarities& differences in terms of economic, demographic & social indicators of Development	Lecture/P PT/Discus sion	Class Test/Seminar /Assignment/ Group Discussion Quiz/Q&A Session

Reference Books:

1. Uma Kapila : Indian Economy: Performance & policies
2. Datt& Sundharam: Indian Economy
3. Uma Kapila(Ed): Indian economy since Independence.

Course Teacher: DR. G. RANITA DEVI   **Signature of HOD:**

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Semester-V (2022 July-Dec Session)
Development Economics -I (ECO- HC -5026)
Total contact hours: 90 hrs.(including Tutorials/Remedials, Unit test, Quiz/Group Discussion)

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No of hours/week	Credits	Total No. of Hours	Marks
6	6	90	100

Course Objectives:

1. To make understand the students about the about the concepts & different measures of development ,&their justification.

2. To equip the students on the ideas of various aggregate growth models & evaluation.

3. To acquaint the students the concepts of poverty, inequality & their measurement.

4. To understand the political Institutions & the functioning of the state.

Course Outcomes: Upon completion of this course the students will be able to

1. Get acquainted with the idea of Development, different measures of development.

2. Appreciate the different growth models and their relevancy.

3. Have clear understanding about the concepts & measures of poverty, inequality & their connection to development.

4. Learn link between democracy & economic performance, pros& cons of state regulation & ownership,

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assesment/Evaluation
I	1	Development :Meaning & Alternative Measures of Development	6	Will understand the alternative measures of development	Lecture/PPT/Discussion	Test/Seminar/Assignment/Group Discussion Quiz/Q&A Session
	2	International Comparisons of Development Trajactories.	6	Will have the knowledge about the different development experience among nations of the world.	Lecture/PPT/Discussion	
II	1	Harrod –Domar Growth Model	4	Will enable to appreciate the model's beauty, relevancy of it.	Lecture/PPT/Discussion	-do-
	2	Solow Model	4	Will enable to understand the sources of growth	Lecture/PPT/Discussion	-do-
	3	Endogenous Growth Models	4	Will learn the difference between theoretical & empirical models.	Lecture/PPT/Discussion	-do

III	1	Poverty: Definition& measures	3	Will have the knowledge of the evolution of the concept & measures of poverty.	Lecture/PPT/Discussion	-do-
	2	Characteristics of Poor, Mechanisms of Generating Poverty	3	Will learn about the how poverty is generated in the economy& society.	Lecture/PPT/Discussion	-do-
	3	Inequality: Concept & Measurement	3	Will have the knowledge about different facets of inequality& methods of measuring it.	Lecture/PPT/Discussion	-do-
	4	Inequality & Development	3	Will learn the impact of inequality on a country's development.	Lecture/PPT/Discussion	-do-
IV	1	Democracy and Economic Performance	4	Students will understand the relationship between democracy and development	Lecture/PPT/Discussion	-do-
	2	State Ownership & Regulation	4	They will learn the impact of state ownership & regulation on economic growth of a country.	Lecture/PPT/Discussion	-do-
	3	Government Failures& Corruption	4	They also will learn about the reasons of government failures & genesis of corruption.	Lecture/PPT/Discussion	-do-

Reference Books:

1. Debraj Ray: Development Economics, OUP,2009

2. Abhijit Banerjee, Roland Benabou

    & Dilip Mookerjee: Understanding Poverty, OUP 2006

Course Teacher: DR. G. RANITA DEVI   Signature of   **HOD**

Semester – V 2022(July -Dec)

Political Economy-I (ECO - DSE -5016)
Total contact hours: 90 hrs. (including Tutorials/Remedials, Unit Test/Quiz/Group Discussion)

No of hours/week	Credits	Total No. of Hours	Marks
6	6	90	100

Course Objectives:

7. To introduce to the students nature & scope of Political Economy
8. To assist them in understanding dynamics of historical materialism
9. To acquaint the students with the working of the capitalist economies.

Course Outcomes:
Upon the completion of the course the students will be able to

9. Get acquainted with different terms & concepts of political economy.
10. Appreciate the value of social change in historical perspective

11. Understand the significance of interdependence between politics & economy
12. Enhance their knowledge of the working of economies.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assesment/ Evaluation
1		Subject matter & scope of political economy; Class Conflicts	12	Understands concepts, theories of classical political economy.	Lecture/tutorials/Discussion& interaction	Unit Test -I Home assignment
2		Historical materialism& transition to capitalism	12	Understands historical materialism& transition to capitalism	10Lectures 2 tutorials/Discussion& interaction	Unit-Test-II
3		Capitalism as an evolving system; Contradictions & crisis	12	Understand development perspective under capitalism	10Lectures 2 tutorials & interaction Programme	Unit Test-III Project Work
4		Monopoly Capitalism & imperialism, uneven economic development	12	Understands growth of monopoly capitalism& causes of uneven development	10 lectures 2 Tutorials& Interaction Programmes	Unit Test-IV
5		The state & economy; the role of the state & contestation	12	Understand the role of the state& interdependence	10 lectures 2 Tutorials& Interaction Programmes	Unit Test-V

N.B Regarding Quiz, Group Discussion & Seminar any topic will be selected within the syllabus above.

Course Teacher: **Ch. Somorendro Singh**   **Signature of HOD**

No. of Hours per Week	Credits	Total No. of Hours	Marks
6	6	90	100

Course Objectives:

- To introduce to the students public economics and its functions.
- To assist them in knowing about taxation, public goods, externalities etc
- To acquaint the students about Indian public finances

Course Outcomes:

Upon completion of this course the students will be able to

- Get acquainted with the meaning of public finance and its various functions.
- Appreciate the role of public sector in the overall growth of an economy.

- Understand the meaning of taxation, public goods, externalities and their importance.

- Enhance their knowledge about Indian public finances.

Total contact hours: 90 hrs.(including Tutorials/Remedials, Unit Test, Quiz, Group Discussion,Seminar)

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assessment/ Evaluation
I	1	Fiscal functions: An overview	5	Will understand meaning of fiscal policy and various fiscal functions	Lecture and discussion	Test/seminar /group discussion/assignment/Q&A session
	2	Public goods and its types	7	Will have ideas about public goods and its types., free riding, models of efficient allocation.	Lecture and discussion	Test/seminar /group discussion/assignment/Q&A session
	3	Externalities- problems and solution. Property rights. taxes and	9	Will get acquainted with externalities, property rights, taxes	Lecture and discussion	Test/seminar /group discussion/assignment/Q&A session

		regulation		etc.		
	4	Taxation and its effects, efficiency and equity considerations,tax incidence,optimal taxations.	9	Will have understood taxation-effects, efficiency and optimal taxation	----do-----	Test/seminar /group discussion/assignment/Q&A session
II	1	Tax system;structure and reforms	10	Will have known tax system in India and its structure and reforms	Lecture and demonstration	Test/seminar /group discussion/assignment/Q&A session
	2	Budget, deficits and public debt	10	Will have acquainted with budget,deficits and about public debt	Lecture and discussion	Test/seminar /group discussion/assignment/Q&A session
	3	Fiscal federalism in India	10	Will have known Indian fiscal federalism	Lecture and discussion	Test/seminar /group discussion/assignment/Q&A session

Reference books:
1.Public Finance by RK Lekhi and Joginder Singh

2.Fundamentals of Public Finance and Public Economics by Om Prakash and Meena Soni

Course Teacher: L. Elithoi Chanu   **Signature of HOD:**

Semester – VI 2023(Jan-June)

Indian Economy -Ⅱ(ECO- HC -6016)
Total contact hours: 90 hrs.(including Tutorials/Remedials, Unit Test, Quiz, Group Discussion,Seminar)

No of hours/week	Credits	Total No. of Hours	Marks
6	6	90	100

Course Objectives:

1. To make the students about the critical role of various macro-economic policies in Indian economy.
2. To impart knowledge to the students about the impact of different policies on the performance of agriculture, Industry& service sector of the economy.

Course Outcome:
At the end of the course, the students will be able to understand the role of economic policies in shaping and improving economic performance in agriculture, manufacturing and service sector.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assesment/Evaluation
1	1	Fiscal policy& its impact on the Indian economy.	3	The students will learn about the phases of fiscal policies & Impact of fiscal reforms on the Indian economy.	Lecture/PPT/Discussion	Class Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session
	2	Monetary & Financial policies & its impact on the Indian economy.	3	They also learn about the monetary & financial sector reforms& its impact on the country's economy.		
	3	Trade& Investment policies& their impact on Indian economy	4	The learners will have thorough idea on Trade and Investment policies of the past & Liberalisation of trade & investment policies since 1991& its impact on the Indian economy.		
	4	labour regulation & its impact	2	They will learn about the various labour Laws & regulations existed in the past and major labour reforms after 1991.		
2	1	Agriculture In India : Agrarian structure , Growth & Productity.	2	The students will Have the Knowledge about the defective land ownership system and its impact on agricultural output& productivity		

					Lecture/PPT/Discussion	Class Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session
	2	New Technology in agriculture: Green Revolution	2	They also learn about the Technological Change & Green Revolution in India		
	3	Capital formation in Indian Agriculture	2	They will aware of the capital formation in agricultural sector in India.		
	4	Trade in Agriculture	2	They will have knowledge about the Trading of Agricultural commodities.		
	5	Agriculture Price& procurement Policy	2	They will learn about the different instruments of agricultural price policy.		
	6	Farm Bill 2020	2	Will have the idea on the elements of Farm Bill 2020		
3	1	India's Industrial sector: Growth, productivity& diversification	4	The learners will aware of trends in growth, productivity & diversification of India's Industrial structure.		
	2	Small Scale Industries in India	2	The students will acquire the knowledge about the importance of SSI in India' economic development. They will further have the challenges of the sector in the era of globalization & Liberalization.		

	3	Public sector in India: policy& Performances.	2	The student will know about the different phases of policies regarding the public sector & its performances.	Lecture/PPT/Discussion	Class Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session
	4	Foreign Investment in India	2	They will understand the changes in foreign investment policies with the introduction of economic reforms since 1991.		
	5	Competition Policy	2	They will have the idea on the government policy towards making India a highly competitive economy.		
4	1	Service Sector in India: Meaning & role in Indian economy.	4	They will learn about the importance of service sector in the	Lecture/PPT/Discussion	Class Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session
	2	India's Economic Reforms& Service Sector.	4	They will also learn about the impact of the service sector reforms on Indian economy.		
	3	Performance of Service Sector in Post Reform period.	4	They will be able to appreciate the performance of service sector in the post reform period.		

Semester-VI (2023 Jan-June Session)
Development Economics -II (ECO- HC -6026)
Total contact hours: 90 hrs.(including Tutorials/Remedials, Unit test, Quiz/Group Discussion)

No of hours/week	Credits	Total No. of Hours	Marks
6	6	90	100

Course Objectives
1. To understand the students about the demographic concepts & its transitions.
2. To make aware of the gender bias about the preference of a child in the household & its outcome
3. To understand about the migration.
4. To provide the knowledge about the factor markets in rural areas.
5. To understand the learners about the environment & sustainable development.
6. To impart the knowledge to the students on the globalization & its impact .

Course Outcomes
 After the completion of the course the students will

1. Learn about the demographic concepts & change. They will also have the idea on gender bias on the preference of child in the household and some idea on migration as well.
2. Understand the linkages7 workings of rural factor markets particularly in developing countries
3. Learn about the environment & sustainable development.
4. Understand the historical perspectives on globalization , production patterns , inequality& financial instability in a globalised world.

Unit	Section	Topic	Lecture hours	Learning Outcome	Pedagogy	Assessment/e valuation
I Demography & Development	1	Demographic Concepts& Transitions	6	The students will learn about demographic concepts its dynamics.	Lecture/PPT/ Discussion	Test/seminar /group discussion/assi gnment/Q&A session
	2	Gender Bias in preferences of children & outcomes.	2	They will aware of the social norms about the son preference & its effects on the household		
	3	Migration: meaning, Migration & Economic Development, Causes& consequences of migration.	4	They will learn about migration & development, its causes& consequences on the developing countries.		
II Land,Labor & Credit markets	1	The Distribution of Land Ownership: Land reform & its effect on productivity of Agriculture.	3	They will learn about the unequal land system particularly of poor countries& land reforms 7 its effect on the agricultural productivity.		Test/seminar /group discussion/assi gnment/Q&A session
	2	Contractual relationship between tenants landlords; Land acquisition	2	The learner will have the intricate idea on the contractual relationship between tenants& landlords; further , they will also have the some knowledge about land acquisition.	Lecture/PPT/ Discussion	
	3	Nutrition & labor productivity	1	They will know about the relationship between nutrition & labor productivity		
	4	Informational problems& credit Contracts	1	They will learn about the informational problems i.e. asymmetric information in relation with the credit contracts.		

	5	Microfinance: Its role in poverty reduction & economic development	3	They will have the knowledge about the microfinance & its role in poverty reduction & economic development of developing countries.		
	6	Interlinkages between rural factor markets	2	They will also know the interlinkages between rural factor markets.		
III. Environment &Sustainable Development	1.	Defining Sustainability for Renewable Resources	2	Will learn the concept of sustainability of renewable resources.	Lecture/PPT/ Discussion	Test/seminar /group discussion/assi gnment/Q&A session
	2	A brief History of Environmental change, Common Pool Resources	2	They will learn about the history of environmental change& concept & problems of common pool resources.		
	3	Environment externalities& state regulation of the environment, economic activity& climate change	4	They will not only learn about the negative & positive environmental externalities but also the state regulation of the environment, economic & climate change.		
	4	United Nations Sustainable Development Goals 2030	4	They will have the proper understanding about the United Nation's Sustainable Development Goals (SDGs) 2030 Agenda for Development		
IV. Globalization	1	Globalization in Historical Perspective	2	They will know about the historical background of Globalization	Lecture/PPT/ Discussion	Test/seminar /group discussion/as signment/Q& A session
	2	Political economy of Multilateral agreements	2	They will know about the political economy of multilateral		

				agreements.	
	3	Trade, Production Patterns& World Inequality	4	The learners will understand about the trade, production pattern & rising global inequality.	
	4	Financial Instability in a Globalized World	4	They will also learn about the impact of globalization on the financial stability of different countries.	

Reference Books:

1. Debraj Ray: Development Economics, OUP 2009
2. Raghuram Rajan: Fault Lines: How Hidden Fractures Still Threaten the World Economy
3. Ellinor Ostrom: Governing the Commons: The Evolution of Institutions for Collective
                         Action, Cambridge University Press 1990.
4. Michael D. Bordo,
   Alan M Taylor&
   Jeffrey G. Williamson (Ed): Globalization in Historical Perspective, University of Chicago
                         Press 2003

Course Teacher: **Dr. Gurumayum Ranita Devi**   **Signature of HOD**

Environmental   Economics, **ECO- DSE -6016**
Total contact hours: 90 hrs (including Tutorials/Remedials, Unit Test/Quiz/Group Discussion)

No of hours/week	Credits	Total No. of Hours	Marks
6	6	90	100

Course Objectives:

10. To introduce to the students the significance of environment al economics.
11. To assist them in understanding the relationship between economy & environment.
12. To acquaint the students with the problems associated with environmental degradation.

Course Outcomes:

Upon the completion of the course the students will be able to
13. Get acquainted with the problems relating to environmental degradation.
14. Appreciate the policy issues concerning environment protection.
15. Understand the need for environmental protection & sustainability.
16. Enhance their knowledge regarding global warming, sustainable development.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assesment/ Evaluation
1		Environmental economics, concepts, review of micro& welfare economics	12	Understand environmental economics need for review of microeconomics	10Lectures 2 tutorials/Discussion& interaction	
2		Pareto optimality, market failure, externalities & property rights	12	Understand how market failure leads to environmental degradation.	10Lectures 2 tutorials/Discussion& interaction	
3		Design& implementation of environmental policy, tax & quotas.	12	Understand the need for proper implementation of environmental policies	10Lectures 2 tutorials/Discussion& interaction	
4		Climate change , Global warming – causes , consequences & policies	12	Understand the causes& consequences of global warming.	10Lectures 2 tutorials/Discussion& interaction	
5		Sustainable Development	12	Understand sustainable development, its objectives& need.	10Lectures 2 tutorials/Discussion& interaction	

Course Teacher: Ch. Somorendro Singh   Signature of HOD

International Economics, ECO- DSE -6026

Total contact hours: 90 hrs (including Tutorials/Remedials, Unit Test/Quiz/Group Discussion

No of hours/week	Credits	Total No. of Hours	Marks
6	6	90	100

Course Objectives:

1. To make the students understand the basis of international trade theory.

2. To know the cause and consequences of international trade.

3. To understand the international economic relation& power.

4. To gain the knowledge to adopt proper trade policy.

5. To know the factors for maximizing gains from trade.

Course Outcomes: Upon the completion of this course, the students will be able to

1. Understand the basis of international trade theory.
2. know the cause and consequences of international trade.
3. understand the international economic relation& power.
4. gain the knowledge to adopt proper trade policy.
5. know the factors for maximizing gains from trade.

Unit	Section	Topic	Lecture hours	Learning outcome	Pedagogy	Assessment/ Evaluation
I Introduction	1	Nature& significance of International Trade	5	The students will have the background & development of international trade	Lecture/ Discussion	Formative assessment/CIA
	2	Need for separate theory of international trade; Interregional trade& international trade	7	They will know the similarities& differences between international trade& interregional trade, need for separate theory of it.		
II. Theories of International trade	1	Adam Smith's Absolute cost Advantage& Ricardo's comparative cost advantage theories of international trade	4	They will learn about the classical theories of international trade, contribution of classical economists & limitations of classical theories.	Lecture/Discussion	Formative assessment/CIA
	2	Heckscher-Ohlin's models	4	They will have the idea of the modern theories of international trade& its departure from the classical theories; Empirical study of the theories.		

	3	International location of production: firms in the global economy, Multinational enterprises	4	They will have the knowledge about the role of MNCs & firms in the global economy		
III. Trade policies	1	Trade policy: Free trade vs Protection	4	They will know the concept of trade policy, argument for & against free trade & protection	Lecture/discussion	Formative Assessment/CIA
	2	Tariff & quota	4	They will understand types of protection, similarities & differences between Tariff & quota'		
	3	Optimum Tariff	4	They will learn about the advantages & limitations of tariff, optimum rate of tariff.		
IV. International Macroeconomic policy	1	Exchange rate: Fixed & flexible Exchange rate	4	They will understand the concept of exchange rate, Advantages of fixed & flexible exchange rates.	Lecture/Discussion	
	2	International Monetary System	4	They will know about global financial system, role of International Financial Institutions in economic development particularly in international trade.		
	3	Financial Globalization & Financial Crisis	4	They will understand the advantages of financial globalization & possibility of spreading financial crisis.		

V Gains from International trade& terms of trade	1	Gains from trade& its determinants.	4	They will understand the meaning of the gains from t trade & its determinants.	Lecture/discussion	Formative Test/CIA
	2	Measurement of gains from trade.	4	They will learn about the ways for the measurement of the gains from trade		
	3	Determination of equilibrium terms of trade& economic development	4	They will know the concept of equilibrium terms of trade, economic development& terms of trade & determinants of equilibrium terms of trade		

Course Teacher: Md.Dr. Asraf Ali   Signature of HOD

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