राजस्थान केन्द्रीय विश्वविद्यालय
Central University of Rajasthan

Centre for Distance and Online Education (CDOE)

Open and Distance Learning Programmes

(2026-27)

Programme Name – M.A. Economics **Programme Code - ODLMAE**

Programme Structure

SEMESTER- I

S. No.	Course Code	Course Title	Type of Course	Credit
1.	6.0 ODLECO01	Microeconomics I	CC	4
2.	6.0 ODLECO02	Macroeconomics I	CC	4
3.	6.0 ODLECO03	Mathematical Methods in Economics	AECC	4
4.	6.0 ODLECO04	Statistical Methods in Economics	AECC	4
5.	6.0 ODLECO61	Agricultural Economics **OR**	DE	4
	6.0 ODLECO64	Labor Economics		
			Total Credits	**20**

SEMESTER -II

S. No.	Course Code	Course Title	Type of Course	Credit
1.	6.0 ODLECO11	Microeconomics II	CC	4
2.	6.0 ODLECO12	Macroeconomics II	CC	4
3.	6.0 ODLECO13	Econometrics	AECC	4
4.	6.0 ODLECO14	Trade Theory and Policy	CC	4
5.	6.0 ODLECO15	Dissertation I	CC	4
			Total Credits	**20**

SEMESTER -III

S. No.	Course Code	Course Title	Type of Course	Credit
1.	6.5 ODLECO01	Development Economics	CC	4
2.	6.5 ODLECO02	Economic Growth Theories	CC	4
3.	6.5 ODLECO03	Public Economics	CC	3
4.	6.5 ODLECO62	Behavioral Economics **OR**	DE	4
	6.5 ODLECO66	Health Economics		
5.	Elective	Generic Elective Course from ODL Basket	OE	3
	6.5 ODLECO04	Discipline Specific Internship or Project Based Learning During Summer Vacation	SECC	2
			Total Credits	**20**

SEMESTER -IV

S. No.	Course Code	Course Title	Type of Course	Credit
1.	6.5 ODLECO11	Dissertation II	PC/CC	4
2.	6.5 ODLECO12	Issues in Indian Economy	CC	4
3.	6.5 ODLECO13	International Macroeconomics and International Finance	CC	4
4.	6.5 ODLECO70	Computer Applications in Economics	DE	4
5.	Elective	Generic Elective Course from ODL Basket	OE	4
6.	UHV-II	Universal Human Values -II	AC	4*
			Total Credits	**20**

Total Programme Credits	**80**

Exit options

1. **PG Diploma in Economics** Duration: **01 Year** (Credits Requirement: 40 Credits)

Total Credit for M.A. Economics Porgramme is 80 Credits (excluding Audit courses).

Abbreviations	
CC	Core Course
DE	Discipline Specific Elective Courses offered by the Department
OE	Open Elective Courses offered by ODL Bracket
AECC	Ability Enhancement Compulsory Course
SECC	Skill Enhancement Compulsory Course
PC	Project Course
-	Fitness
-	Societal Interface
UHV	Universal Human Value (Audit Course)

Detailed Syllabus

Semester-I

Total Credits: 20

Course Name: Microeconomics I Course code: (6.0 ODLECO01) Credits :04	
UNIT I	Theory of Consumer I: Preference relations and their properties, Consumption Decision (Optimizing Behaviour of the consumer under alternative preference structures- Utility, Indifference curves and revealed preference). Derivation of demand functions: Perfect Substitute, perfect compliments and quasi-linear Utilities. Indirect Utility and Expenditure Functions. Comparative statics of the consumer's decision, income and substitution effect –Hicks and Slutsky analysis.
UNIT II	Slutsky Equation, derivation of ordinary and compensated demand function, Demand elasticity. Consumer's surplus, Theory of Production and Costs I : The Production function- Assumptions, Variation in Scale, Variation in input proportions, the multi-product firm and production possibility set. Minimization of costs in the long and the short run,
UNIT III	Theory of Production and Costs II : Derivation of cost functions from production functions; Cobb-Douglas, CES, and Trans-log production functions and their properties; Perfect competition — short run and long run equilibrium of the firm and industry, supply curve; Monopoly — short run and long run equilibrium, price discrimination, welfare aspects, monopoly control and regulation; Natural Monopoly
UNIT IV	Monopolistic competition — general and Chamberlin approaches to equilibrium, equilibrium of the firm and the group with product differentiation and selling costs, excess capacity under monopolistic and imperfect competition,

Course Name: Macroeconomics I Course code: (6.0 ODLECO02) Credits :04	
UNIT I	Introduction to Macroeconomics**:** Why and how to study macroeconomics; Scope of macroeconomics, Macroeconomic Variables- Stocks and Flows, Problem of Aggregation: Macroeconomic Equilibrium. National Income Accountings. State Wealth in the Kautilya's Arthashastra and Its Relevance for National Income Measurement, National Income Estimation in India: Pre-Independence and Post-Independence.
UNIT II	The Economy in the long run; Classical Macroeconomics, Keynesian Models of Income and Employment Determination, Post-Keynesian Interpretations; New classical macroeconomics, Rational expecation model, New Keynesian macroeconomics. Consumption Function; Keynes consumption theory, Kuznet's Puzzle, Intertemporal Choice Model, Life Cycle Hypothesis, Permanent Income Hypothesis, Investment Function; Keynesian Theory of Investment, Accelerator principles, Neo-Classical and New Classical Theories of Investment.
UNIT III	Money: Demand for Money- Friedman, Baumol, Tobin, Patinkin's Real Balance Effect, R.B.I.'s Approachon on Supply of Money, Issues regarding endogenous and exogenous supply of money in Inida, Economy in the short-run; Goods markets and the IS curve, Money market and the LM curve, Goods market and money market together-The IS-LM model- closed economy case; Fiscal policy and monetary policy under alternative supply assumptions, Policy Mix. Aggregate demand and supply.
UNIT IV	Inflation; Issues in Measuring Inflation in India, Rural-Urban inflation gap in India, Inflation and Interest rate, The Fisher Effect, Real Interest Rates: Ex Ante and Ex Post, Theories of Inflation; Demand-Pull and Cost-Push Inflation. Phillip's curve and Natural Rate of Unemployment-Adaptive and Rational expectations models of inflations.

Course Name: Mathematical Methods in Economics Course code: (6.0 ODLECO03) Credits :04	
UNIT I	Concept of a function; Limits, continuity and differentiability of a real valued function; Convex and concave functions, Differentiation- Partial and total; Interpretation of partial derivatives.

UNIT II	Optimization with single and multivariable functions- Unconstrained and constrained optimization in simple economic problems. Integration-simple and Definite, Applications to Economic variables
UNIT III	Concept of a vector - its properties; Concept of matrix - their types, Simple operations on matrices, matrix inversion. Determinants and their basic properties; Solution of simultaneous equations through Cramer‘s rule; Jacobians and Hessians: Input-output Analysis. Difference equations - Solution of first order and second order difference equations; Differential Equations.
UNIT IV	Linear programming — Basic concept; Formulation of a linear programming problem — Its structure and variables; Nature of feasible, basic and optimal solution; Solution of simple linear programming problems through graphical and simplex method; Concept of duality and statement of duality theorems; Formulation of the Dual and its interpretation. Game Theory: an introduction. Dominated and Dominant Strategies: The Prisoner‘s Dilemma, mixed strategy Nash Equilibrium; Saddle point solution; Simple applications to economics.

Course Name: Statistical Methods in Economics Course code: (6.0 ODL ECO04) **Credits :04**	
UNIT I	Typical data sets arising in economics, Qualitative, Quantitative, Income, Expenditure, Time Series and Panel data. Major sources of data sets: Census, Government agencies, e-resources, Graphical representations, Measures of Central tendency, Measures of dispersion. Sampling methods: Census, simple random sample with and without replacement, stratified sampling methods.
UNIT II	Probability theory I: Laws of addition and multiplication; Independence of events, Conditional probability and concept of independence; Bayes theorem with applications; Probability theory II: Random variable; Discrete and Continuous random variables; Probability density functions; Binomial, Poisson and Normal distributions, their mean and variance, graphs of normal density functions.
UNIT III	Correlation: Pearson‘s product moment and Spearman‘s rank correlation-their properties; Partial and multiple correlations, linear and nonlinear regression.
UNIT IV	Estimation: Concept of an estimator and its sampling distribution: Desirable properties of a good estimator; Point and Interval estimation. Testing of statistical hypotheses – Formulation of the problem; Null and alternative hypothesis; Type 1 and Type 2 errors, Goodness of fit; Confidence intervals and level of significance; Hypothesis testing for means, variance, regression coefficients based on standard normal, t, Chi-square and F tests.

Course Name: Agricultural Economics Course code: (6.0 ODLECO61) **Credits :04**	
UNIT I	Agriculture Economics - Definition of Agriculture Economics, Scope, Nature and Characteristics of Indian Agriculture, Differences & Linkages between Agriculture and Industry, Development in Agriculture Colonial & After Independence, Farm Organisation, Availability of Inputs, Agricultural Infrastructure, Cropping Pattern, Size of Land Holdings, Land Reforms, Risk and Instability in Agriculture
UNIT II	Economics Laws in Agriculture - Production, Cost, Supply Response, Introduction to Market Price Determination and Input Demand, Concept of Elasticity, Agriculture Price Policy in India, Agriculture Marketing, Importance of Agriculture for National Economy, Production Pattern regional variation recourse use efficiency
UNIT III	Green Revolution - Production, Productivity, HYV, Irrigation Fertilizer Mechanisation, MSP Debate on Economic System for Agricultural Marketing, Agricultural Credit, Government Financial Support
UNIT IV	Foreign Trade in Agriculture - India's Competitiveness in International Market, Storage Facility, Issues in Indian Agriculture& WTO Rules
OR	
	Course Name: Labor Economics

	Course code: (6.0 ODLECO64) Credits :04
UNIT I	Labour Supply: Choice between Consumption and Leisure; Incorporating Household Production and Decisions. Labour Demand and Equilibrium: Labour Demand Function, Competitive Equilibrium, Compensating Wage Differentials and Hedonic Theory of Wages
UNIT II	Discrimination; Theories of Discrimination, Measuring Discrimination, Affirmative Action. Investment in Education: Theory of Human Capital, Education as a Signalling Device, Returns to Education
UNIT III	Job Search, incentives and efficiency of wages, Migration
UNIT IV	Labour Market Institutions and Policies Collective Bargaining and Labour Unions, Minimum Wage and Employment, Unemployment Insurance, Job security regulations

Semester-II

Total Credits: 20

Course Name: Microeconomics II Course code: (6.0 ODLECO11) Credits :04	
UNIT I	Oligopoly & Game Theory: Non-collusive (Cournot, Bertrand, Edgeworth, Non-collusive (Cournot, Bertrand, Edgeworth, Chamberlin, kinked demand curve and Stackelberg's solution) and collusive (Cartels and mergers, price leadership) models; Price and output determination under monopsony and bilateral monopoly;
UNIT II	Game Theory: Nash Equilibrium, Prisoners' Dilemma, Dominant Strategies, Repeated Games, Zero-Sum Game, Mixed Strategies Theory of Distribution: Neo-classical approach — Marginal productivity theory; Product exhaustion theorem; Elasticity of technical substitution, technical progress and factor shares; Theory of distribution in imperfect product and factor markets;
UNIT III	General Equilibrium: Core of Exchange economy; Market exchange; General equilibrium models of exchange and production; Existence of competitive equilibria; Uniqueness and Stability of Competitive equilibrium; Welfare Economics : First and Second Fundamental Theorems of Welfare Economics. Pareto Criterion; Kaldor Criterion; Scitovsky Criterion; Social welfare function; Compensation principle;
UNIT IV	Theory of Second Best, Arrow's impossibility theorem; Rawl's theory of justice, Consumer Welfare: Price controls, free markets with state intervention for yogakshema (welfare). Chanakya's Concept of 'Lokasangraha' (Welfare of the People) Externalities: Market Failure: Market failure; Sources of market failure and their implications - Externalities; Public Good; Asymmetric Information. Kautilya's view on Market ethics, Market failure and government failure

Course Name: Macroeconomics II Course code: (6.0 ODLECO12) Credits :04	
UNIT I	Macroeconomics in the Short Run: Fluctuations of Macroeconomic variables, The Stylized facts. Open Economy Issues: Open economy IS-LM and IS-MP, the Mundell-Flemming Model, Macroeconomic Policy and Exchange Rate Regimes. Asset Price Volatility, Interest rate and Exchange rates, Crisis models and Strategic interactions.
UNIT II	Micro-foundations of Real and Nominal Rigidities: Determination of Aggregate supply curve, Wage-Price rigidities. Imperfect Information, Imperfect Competition and Asymmetric Information, Solving for Rational Expectation Equilibrium, Coordination Failure
UNIT III	Macroeconomics in the Medium Run: Ricardian Equivalence, the Open economy consumption smoothing, and foreign capital, the firm; Tobin's q theory of investment, Business Cycle Dynamics-nominal and real.
UNIT IV	Macro Policy: Coordination of Fiscal and Monetary Policy, Rules versus Discretion, Credibility, Commitment devices, Monetary Transmission Mechanism and Targeting, Policy debates.

Course Name: Econometrics Course code: (6.0 ODLECO13) Credits :04	
UNIT I	Classical Linear Regression Model- two and three variables- assumptions, estimation, testing and forecasting, BLUE properties of OLS estimators (derivation and proof); Variance of disturbance term; Introduction to multiple linear regression model and tests of linear restrictions; Simple regression coefficients versus partial regression coefficients.
UNIT II	Multicollinearity, Auto-correlation, and Heteroskedasticity: Nature, Causes, Consequences, Detection and Remedial measures.
UNIT III	Dummy variables; Models for Binary Choice-Linear Probability Model; The logit and the Probit Model. Distributed lag models
UNIT IV	Simultaneous Equation Models (Structural form and Reduced form) and Simultaneous Equation Bias; Identification (Under-identified, Exactly identified and Over-identified model); Various Methods of Simultaneous Equation Model Estimation.

Course Name: Trade Theory and Policies Course code: (6.0 ODLECO14) Credits :04	
UNIT I	Classical trade theories on comparative advantage, Refinements of Comparative Advantage, gains from trade, Opportunity cost. Incomplete specialization. Theory of opportunity Cost. Free trade is better than no trade, Free trade is better than restricted trade, restricted trade is better than free trade, Kautilya's view on gains from trade and strategic imports and exports
UNIT II	Heckscher-Ohlin factor endowment model. Factor price equalization Theorem. Stolper-Samuelson theorem. Specific Factor Model, terms of trade and offer curve analysis, empirical approaches and paradox. Factor intensity reversals and pattern of trade, Intra and inter industry trade.
UNIT III	Imperfect Competition: Imperfect competition, homogeneity: Krugman, Trade and growth; Rybczynski theorem, Immiserizing growth; endogenous growth with homogeneity and heterogeneity. New Trade Theories: Vernon, Posner, Krugman, Kravis.
UNIT IV	General and partial equilibrium effects of tariffs on welfare. Arguments for protection, Political economy of trade agreements and upcoming issues of protections, Effective rate of protection. Non tariff barriers: Quota, Voluntary Export Restraints, Countervailing duties and export subsidies, dumping. Effects of tariffs on factor prices. Kautilya's view on Customs and tariffs. Theory of customs union – 'second best' argument – trade creation and trade diversion, General equilibrium effect of custom union Stages of integration Regional trade groupings, GATT and WTO, Regional trade blocks

Course Name: Dissertation I Course code: (6.0 ODLECO15) Credits :04		
Assessment:		
Assignment 1:	Presentation of Synopsis	15 Marks
Assignment 2:	Presentation of Progress of Research Work	15 marks
ESE	The students are required to submit their dissertation report as per guidelines prescribed by the department at the end of the specified period. The students are also required to attend viva voce examination during the end of the Semester IV of the programme. Out of total 70 marks in the dissertation I, 35 marks are of Report, to be assessed by the Department (by constituting a panel of examiners including internal & external examiners) and rest 35 marks are of viva -voce to be awarded by internal & external examiners.	

Semester-III

Total Credits: 20

Course Name: Development Economics Course code: (6.5 ODLECO01) Credits :04	
UNIT I	Indian Perspective of Development. Classical Indian Conceptualizations of Wealth and Welfare. Philosophical foundations of Indian economic thought: *Dharma, Artha, Kama, Moksha.* Concept of welfare in Indian tradition: *Lokasangraha* and inclusive development. Ethical dimensions of development: sustainability, balance, and social harmony. IKS and the Sustainable Development Goals. Concept of

	Development – From GDP per capita to holistic indicators. PPP and international differences. Poverty line and estimates of poor. Factors of development. Schumpeter –Innovation, enterprise and process of 'creative destruction'.
UNIT II	Concept and Measures of Poverty-, Pareto Distribution, Head- Count Ratio, Income Gap Ratio, FGT Index. Concept and Measures of Inequality – Lorenz Curve and Gini coefficient, Issues in composite Indices, Problems of Aggregation. Inequality and Growth- the inverted U curve hypothesis, Inequality and growth – Interrelationships.
UNIT III	Role of capital formation – vicious circle arguments, Rostow's stages of development, Kuznet's economic history analysis of characteristics of development**.** Rejection of trade as the 'engine of growth'. Nurkse and Prebisch arguments. Capital formation and allocation of investment- Balanced and unbalanced growth theories. Rosenstein –Rodan and Hirschman. Denison's growth accounting – Contribution of labour, capital and Technology.
UNIT IV	Role of agriculture. Dual economies and surplus labour argument, Ranis-Fei Model, Unemployment- efficiency wage theory as an explanation for wage rigidity and involuntary unemployment, Collusive theory of unemployment. Population growth and critical Minimum Effort. Demographic transition. Demographic dividend.

Course Name: Economic Growth Theories **Course code: (6.5 ODLECO02)** **Credits :04**	
UNIT I	Problem of Economic Growth- Problem of Economic Growth and the General Solution; Growth Equilibrium; Harrod –Domar Model of Economic Growth. Ms. Joan Robinson and Concept of Golden Age and Golden Rule of Accumulation; Models of Optimum Economic Growth- Keynes-Ramsey Rule, Cass-Koopmans Model. Lokasangraha (Collective Welfare and Sustainable Growth)
UNIT II	Neo-Classical Models of Growth: Growth model of R.M. Solow, Instability & Convergence debate, Artha and Statecraft in the Arthashastra. Neo-Keynesian Models of Growth & Distribution- Kaldor and L. Pasinetti.
UNIT III	Technology and Growth- Hicks, Harrod and Solow- Neutrality of Technical Change, Embodied and Dis-embodied Technical Change, Growth Accounting. Money and Growth- James Tobin and H.G. Johnson;
UNIT IV	Endogenous Growth Models- AK Models, Lucas Model of Human Capital, Romer Model of Endogenous Innovation.

Course Name: Public Economics **Course code: (6.5 ODLECO03)** **Credits :03**	
UNIT I	Market Failure and the rationale for Government Intervention. Alternative Classifications of Public Goods, Optimal Provision of Public Goods, Private Provision of Public Goods, Nash-Cournot Solution, Preference Revelation, Samuelson and Lindahl Equilibrium, Club Goods Model. Externalities: Positive and Negative, Externalities and Social Costs. Pigouvian Tax, Coase Theorem.
UNIT II	Fiscal Policies and instruments: Taxation: Efficiency, Equity, Cost of Collection and Compliance; Tradeoff between Efficiency and equity; Effect of Taxes on labor supply and Savings-Income, commodity and wealth tax; Laffer's Curve, Direct and indirect taxes. Tax Reforms in India. Non-Tax Fiscal Instruments**:** Profit and Dividends, Rents and Royalties, Non-revenue Effects of Non-Tax Instruments; Fiscal Federalism**:** Principles Determining Federal Division of Revenue and expenditure, Vertical and Horizontal Imbalances, Transfer Mechanism in India, Role of Finance & Planning Commissions, Sharing of Taxes, Non-tax Revenues and Grants;
UNIT III	Public Debt**:** Public Debt and External Debt, Theories of Public Debt, Ricardian Equivalence, Debt Management Techniques. Budget and Fiscal Policy**:** Capital and Revenue Accounts, Dynamic Nexus between Two Accounts, Budget Deficits, Theories of Deficits, Indian Budget Deficits: Union and States; Public Expenditure**:** Theories of Public expenditure**.** Leviathan Hypothesis, Niskanen Model, Efficiency and Equity Trade off, Transfers and Subsidies, Financing of Social Programs.
UNIT IV	Welfare state ideals in ancient India; King's duty toward vulnerable populations; Collective goods and community obligations in village economies; Early ideas resembling externality management; Public works and welfare policies in ancient India; Social spending on agriculture, irrigation, disaster relief, health, and poverty alleviation; Public enterprises in ancient India; Royal income from trade, customs duties, fines, and licenses; Administrative efficiency in revenue collection; Decentralized governance traditions in India; Fiscal autonomy of local institutions (village councils, guilds, temple economies); Revenue sharing between central authority and local units; Ancient fiscal prudence and treasury management; Concept of maintaining reserves for emergencies (war, famine, disasters).

Course Name: Behavioral Economics Course code: (6.5 ODLECO62) Credits :04	
UNIT I	Introduction: What is behavioural economics? Introduction to the themes and methods of behavioural economics. Anticipation and information avoidance as introductory example. Making Choices Under Risk: Prospect Theory How do people really make choices when faced with uncertainty?
UNIT II	The role of reference-dependent preferences in both risky (loss-aversion) and risk-free (the endowment effect) choices.
UNIT III	Social Preferences I How do people care about those around them? Both distributional social preferences (altruism, inequality aversion) Social Preferences II Intentions-based social preferences (reciprocity, fairness). The possibility of self-deception.
UNIT IV	Heuristics and Biases How do people make predictions about the world around them? The heuristics and biases displayed in judgment and decision-making. Nudges, Policy, and Happiness How and when should governments intervene if people are "behavioural"? The theory of nudges, and happiness as an outcome
OR	
Course Name: Health Economics Course code: (6.5 ODLECO66) Credits :04	
UNIT I	Health Economics I: The state and scope of health economics, Human Capital and health, Health as a Social Indicator, Health dimensions of development: the health and development interdependency, the dual Relationship between Health and Economic Status, Determinants of health: Poverty, Malnutrition and Environmental quality, Components of economic appraisal of health programme
UNIT II	Costs and Benefits of health services I: Private benefits and costs of providing health services, the failure of the market to provide essential health services, the provision of health services by the government, application of cost benefit analysis to public health and family planning projects, benefits and costs (both private and social) of training to professional manpower in health sector.
UNIT III	Valuing Health and health damage I: Human capital approach: measurement of mortality: value of statistical of life, years of life lost; morbidity valuation: cost of illness, Burden of disease: Meaning and significance,
UNIT IV	DALY: A measure of burden, The DALY framework: Components and postulates, DALY and QALY, the GBD assessment, BD and DALY: A critical appreciation. Health Accounting: National health accounts, from SNA to NHA, Health expenditure efforts.

Course Name: Generic Elective Course from ODL Basket **Credits :03**

Course Name: Discipline Specific Internship or Project Based Learning During Summer Vacation Course code: (6.5 ODLECO04) Credits :02	
Course Pre-requisites:	
1	Student must have completed the knowledge of Macroeconomics, and Microeconomics
Course Objective:	
	This project provide practical exposure to the students of the programme to different industries and application of various concepts learned under different functional areas of Management

Course Outcomes: The students will be able to	
1	Understand and analyze the practical aspects of different functional area of Economics
2	Develop skills of problem solving of economic issues in real life
3	Develop the analytical ability
4	Apply the theory in practice
Course Content	
The students are required to undertake summer internship In any organization/ company for 4 weeks during their summer break after semester II and before commencement of semester III of the programme . They have to work in any of the functional area of economics to explore the practical aspects of that functional area.	
Assessment:	
	Presentation of Summer Internship Report
	Viva-Voce

Semester-IV

Total Credits: 20

Course Name: Dissertation II **Course code: (6.5 ODLECO11)** **Credits :04**	
Assignment 1 Presentation of Progress of Research Work	15 marks
Assignment 2 Presentation of Data Analysis Work	15 marks
ESE	The students are required to submit their dissertation report as per guidelines prescribed by the department at the end of the specified period. The students are also required to attend viva voce examination during the end of the Semester IV of the programme. Out of total 70 marks in this Master's thesis, 35 marks are of master thesis, to be assessed by the Department (by constituting a panel of examiners including internal & external examiners) and rest 35 marks are of viva voce to be awarded by internal & external examiners.

Course Name: Issues in Indian Economy Course code: (6.5 ODLECO12) **Credits :04**	
UNIT I	Post 1991 development in global economies; Trade and exchange rate liberalization, market oriented reforms, Capital flows from World Bank and IMF. Structural adjustment programmes and conditionalities. Exchange rate and trade policy changes, Industrial policy and setting up of regulatory structures like SEBI, TRAI, IRDA, etc.
UNIT II	Infrastructure sectors. Investment requirements of roads, power, ports and other infrastructure sectors private-public partnership mode SMEs and Informal sector Labour market reforms - Exit policy and liberalization of labour markets. Rural Livelihood: Livelihoods and Employment: Structure of rural poverty, Food security and the Public Distribution System; Employment Security- MGNREGA
UNIT III	Economic development and institutions – Role of state, markets and civil society institutions. Characteristics of Indian markets and need for state interventions. Growth of Indian economy since independence – Sectoral growth rates and changing structure. Poverty trends. Inequalities and regional imbalances. Growth of domestic savings and investment. Role of foreign capital - borrowing, equity and direct investment. Technology inflows. Monetary policy issues: Price level and inflationary trends – Composition of wholesale price index. Retail prices.
UNIT IV	Varnashrama skill-matching, Gandhian trusteeship for labor cooperatives Arthashastra's progressive taxation (1/6th land tax scaled by income), dana (voluntary redistribution) as social safety net; Vedic zero-budget natural farming, Krishi Parashara crop rotation, Jatropha biodiesel from ancient texts. Saptanga (7-limb state) federal balance, mandala interstate relations

	Arthashastra price controls, anaya (anti-hoarding), grain warehousing.

Course Name: International Macroeconomics and International Finance Course code: (6.5 ODLECO13) **Credits :04**	
UNIT I	International Macroeconomics- Prices and Output in an open economy. Long-run adjustment mechanisms. Automatic adjustment – foreign trade multipliers. Fiscal and monetary policy under flexible exchanges. Interdependence and Multi-lateral co-ordination.
UNIT II	Balance of payments. Current account and fiscal deficit. Capital account. Disequilibrium and adjustment. Elasticity conditions for adjustment in trade account.
UNIT III	Currency markets transactions. Currency standards, convertibility and reserve currencies. Exchange Rates. Purchasing power parity. Interest rate parity. Nominal, real and effective exchange rates. Fixed and flexible exchange rates.
UNIT IV	Exchange controls. Short-run and long run capital movements. Hedging, speculation and hot money transfers under capital account convertibility. Implication of capital flows—Mundell- Fleming Model, currency crisis and contagion.
UNIT V	Money and the role of banks. EU and monetary integration. Dollarization. Optimum currency areas, Monetary,
UNIT VI	Banking and foreign exchange regulations. The International Monetary Fund. Reforming the international institutional architecture. China and reserve currency issues.

Course Name: Computer Applications in Economics Course code: (6.5 ODL ECO14) **Credits :04**	
UNIT I	An overview of Computers: Introduction to computer and Computer technologies. Overview of computer – Basic operating instructions. Overview of databases. Introduction to software – MS Office, Excel, STATA, SPSS, E-views. Loading the data to Excel, STATA, SPSS, E-views – Differences in the use of different software packages
UNIT II	Exploratory Data and Simple Statistical Analysis: Tabular and Graphical Representation of data with interpretation. Displaying graphs on the screen – Saving and operating graphs – Printing graphs – Labelling graphs – Overlay (two scales) graphs – Multiple graphs on a page. Descriptive Statistics: Central Tendency, Dispersion and Shape. Mean, median and mode – Variance and Standard Deviation – Skweness and Kurtosis – Five number summary – Covariance – Correlation (zero order, rank and partial correlation).
UNIT III	Simple Parametric and Non-parametric tests, t-test procedures, F-test, Mann Whitney procedures – Principal Components , Factor and Cluster Analysis. Linear Regression-Interpretation using applications :Two Variable Regression Model, Multiple Regression including dummy variable, Growth rate calculation, Trend Analysis, Functional Forms.
UNIT IV	Testing for Multicollinearity, Heteroskedasticity, and Autocorrelation and remedial measures, Specification error, Simultaneous Equation Model- 2SLS, Qualitative Response Model- Probit, Logit and Tobit. Handling cross sectional data, time series data, longitudinal or panel data, survey data, Different econometric techniques especially with reference to valuation should be elaborated with suitable applications

Course Name: Generic Elective Course from ODL Basket **Credits :04**

****