SEMESTER I
DEPARTMENT OF ECONOMICS

MC
Semester – I  4 Credits

COURSE CODE: EC1806
COURSE TITLE: MICRO ECONOMIC THEORY – I

Objectives

i. To get familiarity with the basic concepts pertaining to consumer and product markets.

ii. To update the recent developments in micro economic theories.

Unit I
Definitions, methods and laws of economics – functions of economic systems – static and dynamic analysis (12 hours)

Unit II
Consumption: Marshallian and Hicksian utility analysis – Derivation of demand curve (Samuelson, Hicks) (12 hours)

Unit III
Choice under certainty – Neumann-Morgenstern Utility theory the Friedman Savage Hypothesis – The Markowitz Hypothesis (12 hours)

Unit IV
Production and costs: Variations in factor proportions – variations in scale – meaning of production functions – costs curves under different periods – cost minimization. (12 hours)

Unit V
Market structure: Perfect competition, monopoly and monopolistic competition – Existence, Uniqueness and stability of equilibrium: Walras and Marshall (12 hours)

References:
2. Wagner, L and Baltazzis, N, Reading in Applied Micro Economics, 1973
Objectives

To instruct what is established and useful in macroeconomics, bringing in new ideas: and
i. To reflect the changing tone and emphasis that emerge from the past decade of macroeconomic events and scholarly research

Unit I
Classical Macroeconomics and its limitations – New Classical economics (12 hours)

Unit II
Keynesian Macroeconomics – Consumption function – Keynesian-Classical synthesis – Patinkin and the general equilibrium approach – New Keynesian Economics (12 hours)

Unit III
Investment Demand – Classical and Keynesian theories of investment – Neo-classical investment theory (Jorgenson) – Financial and Acceleration theories – Extension of the static model to include government and foreign sector (12 hours)

Unit IV
Disequilibrium macro models – Macroeconomics when markets do not clear – Introduction to a representative agent model (12 hours)

Unit V
Rational Expectations – Lucas critique – Theories of inflation – Phillips curve analysis – NAIRU curve (12 hours)

References:

Objectives

i. To grasp how ecology and economic development influence one another.
ii. To understand the existing environmental (related) policies for improving the quality of life.

Unit I
Environmental Economics – an introduction
Definition – scope of environmental economics – environmental segments – Ecology and Eco system – Organisation and structure of Eco system – Services of the environment – Material balance model – Ecology and economic development (the debate) (12 hours)

Unit II
The Basic Theory of Environmental Economics
Market failure and externality problem – Alternative solutions to the externality problem – Environmental quality as a public good – Income distribution aspects of environmental policy. (12 hours)

Unit III
Policies and Strategies on Environmental Protection
Pollution as an economic problem – Basic approach to the problems of pollution control – Allocation of property rights – Coase theorem – Market based environmental laws in practice. (12 hours)

Unit IV
Environmental Planning and Management
Importance of environmental planning and management – Role of the government in environmental management – Poverty Vs environmental quality – Environmental resources management – Environmental appraisal of development plan. (12 hours)

Unit V
India’s and International Environmental Polices
Environmental education and training in India – Constitution protection on pollution – Wild life policy – Forest policy and other important legislation in India – Pollution as a transfrontier problem – International agreements, policies, conferences and acceptances. (12 hours)
References:


DEPARTMENT OF ECONOMICS
MC
Semester – I  4 Credits
COURSE CODE: EC 1809
COURSE TITLE: MATHEMATICS AND STATISTICS FOR ECONOMISTS

Objectives: (i) to strengthen the quantitative background of the learner.
(ii) to provide tools for scientific research work.

Unit I:
Linear Algebra: Vectors and Matrices-Operations-Determinants-Inverse-
Cramer’s Rule-Rank. Solution to system of linear equations. Characteristic roots and Quadratic forms.

Unit II:
Derivatives-Partial Derivatives-Total Differential-Marginal and elasticity concepts.

Unit III:
Convex and concave functions: Optimization Technique-Maxima and minima-
First and second order conditions-Utility and /Profit Maximization-Cost minimization.

Unit IV:
Correlation and regression coefficients-Multiple Regression-Time SeriesAnalysis: Measures of trend and seasonal variations.

Unit V:

References:
4. Hadley G.H; Linear Algebra, Addison Wesley Publications.
Objectives

i. To understand the theories governing international trade; and
ii. To evaluate the policies pursued by various economic bodies in international economics

Unit I


Unit II


Unit III


Unit IV

Internal and external balance with expenditure-changing and expenditure-switching policies – Policy mix and price changes – Optimum currency areas, the European Monetary System and The European Monetary Union – Currency Board arrangements and Dollarization

Unit V

Books for Study:

2. Salvatore. (D), Schaums Outline of Theory and Problems Of International Economics, 1990

References:

Objectives

i. To provide a framework of tools effective in the analysis of social problems; and

ii. To discover ways to resolve social problems.

(NB: A Project Work on a social problem carries 20 marks)

Unit I
Social Economics: Definition – equality in Human Societies – Principles of social doctrines: Gandhi, Mark and Popes. (10 hours)

Unit II

Unit III

Unit IV

Unit V:
Terrorism: Causes and consequences – remedial course of action. (10 hours)

References:

DEPARTMENT OF ECONOMICS

ES
Semester – I  3 Credits

COURSE CODE: EC 1951
COURSE TITLE:  AGRICULTURAL ECONOMICS

Objectives

To grasp the characteristics of modern agriculture; and
To analyse how the agricultural sector contributes to the Indian economy.

Unit I
Characteristics of modern agriculture – production function in agriculture –
The scale factor in farming – allocation of land between different uses and
crops – technological changes in agriculture – production response to price.
(10 hours)

Unit II
Input supply and distribution – economic aspects of irrigation and fertilizer
use – agricultural finance. (10 hours)

Unit III
Ownership pattern, tenurial relations and allocation efficiency – Land reforms
– far size - distribution and policy co-operative farming. (10 hours)

Unit IV
Analysis of demand for and supply of agricultural commodities – Marketed
surplus – procurement, distribution and pricing policies. (10 hours)

Unit V
Role of agriculture in economic development – agricultural strategies; taxation
of agriculture; relationship between agriculture and other sectors of the
economy. Human resources in agriculture. (10 hours)

References:

1. Eicher, Carl and Lawrence Witt, Agriculture in Economic Development, McGraw
2. Joshi P C., Land Reforms in India: Trends and Perspective, New Delhi; Allied
   Publishers, 1975
   Publishers Pvt. Ltd.
5. Mellor W. Hohn, The Economics of Agricultural Development, Mumbai: Vora
   and Co Publishers Pvt. Ltd.
7. Sadhu A.N., Singh [Amarjit], Fundamentals of Agricultural Economics, 2000
8. Tyagi, B P Agricultural Economics and Rural Development, 1989
SEMESTER - II
Objectives

i. to deepen the understanding of the working of the firms under oligopoly market conditions; and

ii. to introduce the concept of welfare and its implications on the society.

Unit I
Critique of the neoclassical theory of the firm: Alternatives to profit maximization – Full Cost or Mark up pricing (Arrow) Sales maximization (Baumol) – Behavioural theories (Simon) – Maximisation of Utility Function (Scitovsky and Williamson) – Maximisation of Marginal Utility Function (Marris).

Unit II
Theories of Oligopoly – Collusive and leadership models – Game theoretic approach to oligopoly – Limit Pricing.

Unit III

Unit IV

Unit V

REFERENCES

Arrow; Scitovsky, Readings in welfare economics, (London: Gerald Duckworth & Co Ltd 1969)
Arrow, K J., Social choice and individual values, (London: Gerald Duckworth & Co Ltd 1963)
Kaldor , Nicholas., Essays in value and Distribution (London : Gerald Duckworth & Co Ltd 1960)
Chopra, P.N. Pricing, Distribution and Welfare (Delhi: Kalyani Publishers 1975)
DEPARTMENT OF ECONOMICS

MC
Semester - II

EC 2809 MACRO ECONOMIC THEORY – II

Objectives

i. to understand the determination of national income and the concept of welfare; and

ii. to study how the national income fluctuates and is distributed among the factors of production.

Unit I

Theories of the trade cycles: Samuelson – Hicks – Kaldor – Goodwin.

Unit II


Unit III

Beyond the Solow Model: New Growth Theory – Research and Development models – A model of Human Capital and Growth

Unit IV

Real-Business cycle theory, Traditional Keynesian theories of Fluctuations, Microeconomic foundations - The Lucas imperfect-information model, Rational expectations hypothesis.

Unit V

New Keynesian Economics – Coordination-Failure models and Real Non-Walrasian theories - Inflation and Monetary policy – Seignorage and Inflation

Books for Study

References:

DEPARTMENT OF ECONOMICS
EC 2806 LABOUR ECONOMICS AND INDUSTRIAL RELATIONS

Objectives

(4 Credits / 6 hours per week)

i. to understand the determination of wage structure in an economy; and
ii. to study the present state of industrial relations in India.

Unit I

Unit II

Unit III

Unit IV

Unit V

References:
Sepsfore, David and Zafiris Tzannatos., Current Issues in Labour Economics (Hong Kong, Macmilan 1990)
DEPARTMENT OF ECONOMICS
EC 2807 ECONOMETRICS

Objectives

(4 Credits / 6 hours per week)

i. To get acquainted with the tools of Econometrics for applied research in Economics; and
ii. To impart the knowledge of econometric techniques for better understanding of the methods in Economics.

Unit I

Unit II

Unit III

Unit IV
Simultaneous equation methods – The problem of identification – Estimation – Two stage least squares – introduction to limited information and full information – maximum likelihood and three stage least squares.

Unit V
Some illustrations of the applications of econometric methods.

Reference:

DEPARTMENT OF ECONOMICS

EC 2900 MANAGERIAL ECONOMICS

SUPPORTIVE OFFERED TO M.COM STUDENTS

Objectives (3 Credits / 4 hours per week)

i. to relate theoretical concepts in economic theory with modern Business practices.
ii. to predict the demand, cost, price and profit variables for a firm in future.

Unit I
Scope of Managerial Economics – Development of entrepreneurship and Management in India – Professionalisation of management.

Unit II
Demand analysis: Demand determinants, Demand distinctions and demand forecasting methods – Elasticity of demand – Its significance in business decisions.

Unit III

Unit IV
Markets: An overall view about market forms – Meaning of perfect and imperfect markets – Modern pricing methods, price discounts and differentials - price forecasting.

Unit V
Measurement of profit: Accounting profit – profit policies and forecasting – Model of break-even analysis.

Methodology:

a) Continuous assessment (CA) 100 marks
   i) Two written tests (First component) 35 + 35 = 70 marks
   ii) Case study analysis, seminar, project reports (Second component) 30 marks

b) Semester examination (SE) – 3 hours duration 100 marks

References:


Dean, Joel, Managerial Economics, Prentice Hall of Inc., New Jercy.


iii. to comprehend the meaning and role of marketing in an economy; and
iv. to understand the performance of marketing in various sectors, at the national and international levels.

Unit I
Marketing: Concept – Definition and Significance Marketing in developing and developed countries – Social marketing and economic development in Indian context.

Unit II

Unit III
Marketing information systems (MKIS) and marketing research

Unit IV
The four P’s: Product, Physical distribution, Promotion and Pricing

Unit V
International marketing – Export strategies, promotion and procedures.

References:
DEPARTMENT OF ECONOMICS  
EC 2952 INDIAN ECONOMIC PLANNING AND POLICY  

SUBJECT ELECTIVE  

Objectives (4 Credits / 4 hours per week)  

i. to make the students understand the importance of planning as a technique to accelerate economic growth and development and  
ii. to make the students understand how to link various economic policies with plan objectives.  

Unit I

Unit II

Unit III
Public sector in India: Objectives – its contribution to Indian economy – recent trends in Indian PSUs (privatization and disinvestments) - PSUs pricing policies - Dual pricing, multiple pricing and administered price mechanism - Agricultural pricing policy in India.  

Unit IV
Quality of Life in India and abroad: Poverty eradication policies in India – Target group approach – An evaluation of Rural Employment Guarantee Scheme.  

Unit V
Trade Policy: Impact of WTO on India’s import, export and tariff policies – The policy of flexible exchange rates and its impact on Indian economy.  

References:  
Dhingra, I.C. Indian Economy (New Delhi: S Chand and son Co Pvt. Ltd.) (Recent Edition)  
Agarwall, A.N. Indian Economy (New Delhi: S Chand) (Recent Edition)  
Datt, Ruddar and K.P.M Sundharam Indian Economy (Recent Edition) (New Delhi, S. Chand and Co. Pvt. Ltd.)  
Luthra, V.P. Economic Development, Planning and Liberalisation (Ivy Publishing House 2000)  
Uma Kapila (Ed), Indian Economy since Independence (Academic Foundation 2002)  
Sen, Raj Kumar and Chatterjee, Biswajit (Ed), Indian Economy: Agenda for the 21st century (Deep and Deep Publications 2002)
SEMESTER - III
DEPARTMENT OF ECONOMICS  

MC  6 Hours per week  
Semester – III  5 Credits  

COURSE CODE: EC3808  
COURSE TITLE: MONETARY ECONOMICS

Objectives:

i. to capture the influence of money on the real economy; and,  
ii. to discuss the recent demand and supply theories of money.

Unit I: Concepts of Money
Traditional and modern – concepts of liquidity – Newlyn – Radcliffe Committee – Gurley-Shaw and others.

Unit II: Demand for Money
Analysis of the demand for money – transactions demand for money – Baumol’s asset demand for money – Keynes speculative demand for money – mean-variance analysis – Hicks and Tobin – State Preference Theory as a theory of the demand for money – Friedman’s restatement – Gurley and Shaw thesis

Unit III: Classical and Neo-Classical Views on Money
Neutrality and non-neutrality of money – classical and neoclassical dichotomy - integration of monetary and value theories

Unit III: Keynesian and Post Keynesian Views on Money
Keynes – Patinkin and the real balance effect – Keynesians vs. monetarists - monetary policy – goals, techniques and constraints - transmission mechanism of monetary policy - problem of lags

Unit V: Money Supply and Price Level
Theories of money supply – theories of inflation – control of inflation – indexation

Books for Study

Books for Reference

**Journals for Reference**

- Journal of Banking and Finance
- Journal of Money, Credit and Banking
- International Journal of Central Banking
- Journal of Financial Economics

**Websites for reference**

- [www.rbi.org.in](http://www.rbi.org.in)
- [www.cpolicy.rbi.org.in](http://www.cpolicy.rbi.org.in)
- [www.bulletin.rbi.org.in](http://www.bulletin.rbi.org.in)
- [www.bankreport.rbi.org.in](http://www.bankreport.rbi.org.in)
- [http://mospi.nic.in](http://mospi.nic.in)
- [http://indiatat.com](http://www.indiastat.com)
DEPARTMENT OF ECONOMICS
MC
Semester – III
6 Hours per week
5 Credits
COURSE CODE: EC3809
COURSE TITLE: PUBLIC ECONOMICS - I

Objectives

i. To analyze the need for government intervention in economic activities,
ii. Explain the role of fiscal tools in the regulation of economic activities.

Unit I: Introduction
Theories of Public Finance - Theories of social goods – market failure – social and private goods – Principles of allocation, distribution and stabilization.

Unit II: Public Choice in a Democracy and The theory of Public Expenditure

Unit III: Cost Benefit Analysis
Types of direct and indirect benefits and costs – public programming budgeting system – problems in the measurement of cost and benefits – criteria for public expenditure – Crude investment criteria – Discounting techniques

Unit IV: Public Sector
Size, growth, role and objectives – Public sector in India – Public sector pricing – Methods of pricing – public pricing and welfare objectives.

Unit V: Public Debt
Principles, burden and management of Public Debt

Books for Study

Books for Reference
Herber, Bernard P., 1988, Modern Public Finance (Fifth Edition), All India Traveller Book Seller, Delhi
Due and Friedlender., Government Finance (Sixth Edition)Irwin Series in Economics
Burke J X, Miner J., Public Expenditure

**Journals for Reference**
- Economic and Political Weekly
- Southern Economist
- National Tax Journal
- American Economic Review

**Websites for Reference**
- [http://finmin.nic.in](http://finmin.nic.in)
- [http://indiabudget.nic.in](http://indiabudget.nic.in)
- [http://policies.gov.in](http://policies.gov.in)
- [http://finmin.nic.in/revenuesummary/login.asp](http://finmin.nic.in/revenuesummary/login.asp)
- [http://finmin.nic.in/topics/center_state_finance/index.html](http://finmin.nic.in/topics/center_state_finance/index.html)
- [http://finmin.nic.in/topics/legislation/index.html](http://finmin.nic.in/topics/legislation/index.html)
COURSE TITLE: RESEARCH METHODS IN ECONOMICS

Objectives

i. To understand the basic ingredients of research, and,
ii. To prepare an outline of a project in Economics

Unit I: Research in Economics
Meaning, Objectives, need and scope – Present position of research in Economics in India

Unit II: Scientific attitude in economic research
Dangers to be avoided – basic elements of scientific method fact, conceptual and operational definitions, assumptions, hypotheses, theories and laws – Field and documentary sources – Primary and Secondary data.

Unit III: Research Design
Meaning and types – Surveys and sampling – probability and non-probability sampling Logical – Mathematical and Statistical methods – Case study methods.

Unit IV: Tools of research
Participant and non-participant observation – Questionnaire – interview schedule – pilot study – pre-testing.

Unit V: Report writing
Plan of a research report – Style and mechanics of writing research reports

Books for Study
Young, Pauline V. 1977, Scientific Social Surveys and Research, Prentice Hall of India, New Delhi.

Books for Reference
Bhattarya S.K., 1990, Methodology in Research
Das Gupta, 1995, Methodology in research
Ferber and Verdorn, Research Methods in Economics and Business

Journal for Reference
International Journal of Social Research Methodology

Website for reference
www.socialresearchmethods.net www.ncrm.ac.uk
www.ualberta.ca
www.trinity.edu

Journals for Reference
Economic and Political Weekly Southern Economist
National Tax Journal American Economic Review

Websites for Reference
http://finmin.nic.in
http://policies.gov.in
http://finmin.nic.in/revenuesummary/login.asp;
http://finmin.nic.in/topics/center_state_finance/index.html
http://finmin.nic.in/topics/legislation/index.html;
http://finmin.nic.in/stats_data/monthly_economic_report/index.html
DEPARTMENT OF ECONOMICS

COURSE CODE: EC3811
COURSE TITLE: ADVANCED ECONOMETRICS

Objectives

i. To enable the students to apply econometrics.
ii. To help students understand and appreciate the potential of the subject for application.
iii. To equip them with necessary skills to use software packages meant for Econometrics.

Unit I: Inference and Prediction
Testing linear restrictions – prediction.

Unit II: Functional form and structural change
Identifying non linearity – Intrinsic linearity and identifications – modeling and testing for a structural break

Unit III: Tests of model stability
Hansens’ test, Recursive residuals and CUSUMS test, predictive test

Unit IV: Models for panel data
Fixed effects and Random effects.

Unit V: Time series econometrics
Stationary stochastic processes – non stationarity and unit roots – cointegration.

Books for Study
Damodhar Gujarati, 1999, Basic Econometrics, Forth edition, Vignyan Distributors

Books for Reference
Franses (Philip Hans), 2002, Concise Introduction to Econometrics, Dist. Sharma Books, Chennai
Journals for Reference

Journal of Mathematical Economics
Review of Economics and Statistics
Econometrica
Applied Economics

Website for Reference

http://www.uccollege.edu.in  http://www.indiastudycenter.com
http://www.iisc.ernet.in
SEMESTER - IV
DEPARTMENT OF ECONOMICS

MC 6 Hours per week
Semester – IV 5 Credits

COURSE CODE: EC4808
COURSE TITLE: PUBLIC ECONOMICS - II

Objectives

i) To understand the nature and working of fiscal policy,
ii) To examine the revenue and expenditure administration at the national, regional and local levels

Unit – I: Fiscal Policy
Evolution of fiscal policy for economic development, growth and stabilization – Pump priming and counter cyclical expenditure – Compensatory finance - Fiscal dynamics and growth – Applicability of fiscal theories in growth models

Unit II: Integration of fiscal and monetary policies
In Keynesian and Post-Keynesian frame work.

Unit III: Federal Finance
Centre-State financial relations - Recommendation of the last three Finance Commissions – Finances and performance of Local bodies

Unit IV: Indian tax and expenditure structure
Taxes levied by Central and State Governments – Pattern of expenditure incurred by Central and State Governments – Tax and expenditure reforms in India – Deficit finance – Causes and consequences.

Unit V: Shifting and incidence
Incidence and output effects – Excess burden – Allocation effects.

Books for Study

Books for Reference
Datt, Ruddar and K.P.M. Sundharam, 2005, Indian Economy, S. Chand and Co. Pvt. Ltd., New Delhi

Journals for Reference
Websites for Reference

http://finmin.nic.in
http://indiabudget.nic.in
http://policies.gov.in
http://finmin.nic.in/revenuesummary/login.asp
http://finmin.nic.in/topics/center_state_finance/index.html
http://finmin.nic.in/the_ministry/dept_eco_affairs/economic_div/eco_survey/index.htm
http://finmin.nic.in/stats_data/central_govt_borrowings/index.html
http://finmin.nic.in/foreign_investment/dissinvestments/index.html
DEPARTMENT OF ECONOMICS
MC
Semester – IV
6 Hours per week
4 Credits
COURSE CODE: EC4809
COURSE TITLE: INDIAN ECONOMIC DEVELOPMENT AND POLICY

Objectives

iii. To analyze basic Indian economic problems and
iv. To find out solutions for economic and social maladies

Unit I: Characteristics

Unit II: Demographic profile

Unit III: Human Resource Development
Concept and Measures of Human Development – Human Development index in India – International comparisons – National human development report – Progress of Human development in India – Future directions

Unit IV: Policy and Infrastructure

Unit V: Poverty

Books for Study

Books for Reference
Planning Commission, Government of India – Ninth, Tenth and Eleventh Five Year Plan Documents.
Centre for Monitoring Indian Economy – Recent Issues
Journals for Reference
Economic and Political Weekly  Southern Economist
Yojana

Websites for reference
http://dare.nic.in  http://ari.gov.in
http://aquaculture.tn.nic.in
http://dahd.nic.in  http://www.niam.gov.in
http://www.manage.gov.in
DEPARTMENT OF ECONOMICS
MC
Semester – IV
6 Hours per week
4 Credits
COURSE CODE: EC4813
COURSE TITLE: PORTFOLIO THEORY AND INVESTMENT ANALYSIS
Objectives:
- to enable students to appreciate the use of finance theory in investment management
- to provide a basis for the measurement and analysis of the risk of financial investments.

Unit I: Financial markets and instruments:
Money and bond markets, equity markets, derivative markets, managed funds, exchange traded funds, exchange trading and OTC trading, clearing, settlement, margin trading, short sales and contingent orders, regulation of financial markets

Unit II: Investment Strategies
Active fund management and investment strategies: historical mutual fund performance, market efficiency and behavioural finance, return based trading strategies, hedge funds

Unit III: Diversification
Expected portfolio return and variance, risk premium, risky/risk free capital allocation, minimum-variance portfolio frontier, market portfolio, expected return relationships, Treynor-Black model, factor models

Unit IV: Risk and Performance

Unit V: Risk Management
Risk management and VaR based portfolio insurance: put option protection, put-call parity, volatility hedging, Basak-Shapiro model

Books for Study
Chance, D.M. 2004, An Introduction to Derivatives & Risk Management. Ed. 6 Thomson South- Western:

Books for Reference


Assness, C., R. Krail and J. Liew 2001, *Do Hedge Funds Hedge?*


**Journals for Reference**

- The Journal of Portfolio Management
- Journal of Alternative Investments
- Journal of Derivatives
- Journal of Wealth Management

**Websites for Reference**

- [www.reuter.com](http://www.reuter.com)
- [www.ijournal.com/jpm](http://www.ijournal.com/jpm)
- [http://www.pacificedge.com](http://www.pacificedge.com)
- [http://www.investools.com](http://www.investools.com)
- [http://www.commerce-database.com](http://www.commerce-database.com)
Objectives:

1. To introduce the applied areas in Economics
2. To enable the students to apply EViews and SPSS in Economic Research

Unit I: Introduction to Statistical Packages

EViews: Creating, Opening and Saving EViews workfile, Importing data from other formats, Choosing the Observations (Sample Size), Printing Data with EViews, Plotting Data with EViews, Creating New Variables, Estimating Equation.

SPSS: Creating SPSS data file, Opening existing data file, Importing data from Non-SPSS file format, Merging data from multiple files, Transforming variables – Editing output: Editing tables, charts and graphs, Exporting outputs, Creating and using syntax file

Unit II: (a) Diagrammatic Representation – Simple, Multiple and Drop Line Diagrams Simple, Area graph, Multiple and Component Bar diagrams, Pie-Chart, Range: Simple high low close, Cluster high low close, Simple and Cluster Box Plot, Duo-directional bar diagram, Pie-chart, Correlogram, Kernel Density Graphs

(b) Descriptive statistics in Economics - Mean, Median, Mode, Percentiles, Quartiles, Standard deviation, Variance, Range, Minimum, Maximum, Skewness, Kurtosis

Unit III: Correlation and Regression: Simple, partial and multiple Correlations, Correlation matrix, Regression, dummy variable, Multi collinearity, Test for detecting multicollinearity

Unit IV: Serial Correlation: Durbin-Watson Statistic, Ljung-Box Q-statistic, Unit Root Test, ARMA and ARIMA

Unit V: Time series models – Fixed effect model, Random effect model, Box-Jenkins methodology, Test for Heteroscedasticity, Autoregressive Conditional Heteroskedasity (ARCH), Generalized ARCH (GARCH)

Books for Study:

1. GEORGE DARREN; MALLERY PAUL, SPSS FOR WINDOWS, (PEARSON EDUCATION, 2009)
Books for Reference:

9. Miller(R L), SPSS FOR SOCIAL SCIENTISTS (PALGRAVE, 2002)

Websites:

www.spss.co.in                        www.spss.com
www.spsstools.net/spss.htm             www.spss.org
www.eviews.com                         www.eviews.net
DEPARTMENT OF ECONOMICS
MC  6 Hours per week
Semester – IV  4 Credits
COURSE CODE: EC4954
COURSE TITLE: ENTREPRENEURIAL ECONOMICS

Objectives

i. to familiarize the students with the entrepreneurial procedures and problems;
ii. to enable the students to become effective and efficient entrepreneurs.

Unit I: Introduction
Concept of entrepreneur and its evolution – entrepreneur and enterprise characteristics and types of entrepreneurs – role of entrepreneurship in economic development.

Unit II: Entrepreneurship Models
The theories and conceptual models of entrepreneurship – views of Schumpeter, Walker and Drucker

Unit III: Entrepreneurial Performance
Evaluating entrepreneurial performance and problems: need and criteria for and difficulties in evaluation, strategies and experiences of developing industrial entrepreneurship (with special reference to small scale industries)

Unit IV: Entrepreneurship in India
Factors promoting the growth of entrepreneurship: Social Psychological and environmental – State and the entrepreneurs – role of NBFIs and BFIIs in entrepreneurial development. Problems faced by entrepreneurs

Unit V: Women entrepreneurship

Books for Study

Gupta, C B and N P Srinivasan., 1992, Entrepreneurial Development, Sultan Chand, New Delhi
Books for Reference


Journals for Reference

Journal of Business Venturing
Small Enterprise Development
Entrepreneurship Development in Management Education
Entrepreneurship Theory and Practice

Websites for Reference

www.enterweb.org       www.entrepreneur.com
www.loc.gov           www.entreworld.org
www.empretec.com       http://sbinformation.about.com