

SEMESTER -V
B.A. (Hons) BUSINESS ECONOMICS

DISCIPLINE SPECIFIC CORE COURSE – 13 (DSC-13): BASIC ECONOMETRICS

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
Basic Econometrics (DSC 13)	4	3	0	1	Class 12	Maths at Class XII level

Learning Objectives

The course aims to:

- To introduce classical and functional forms of linear Regression Model.
- To make statements or hypothesis that are mostly qualitative in nature in multi regression model
- To understand interaction between quantitative and qualitative variables and Use of dummy variables.
- To apply multicollinearity, heteroscedasticity, autocorrelation and specification errors, its detection and corrective measures.

Learning outcomes

By studying this course, the students will be able to:

- To explain key econometric concepts.
- Formulate simple econometric models
- Interpret the regression results obtained from software packages.
- Identify the errors in regression models and rectify the same.
- Analyse the suitability of the data for solving the problem at hand

SYLLABUS OF DSC-13

UNIT-I: The Classical Linear Regression Model

[18hours]

Types of Data: Time Series, Cross Section and Panel Data. Concept of Population Regression Function and Sample Regression Function, Assumptions of the model, Derivation of Coefficients of Regression in a two-variable model, Estimation of the SRF using OLS, Analysis of variance and R squared.

Expectation and standard errors of the regression coefficients and the error term. Gauss Markov Theorem. Interval estimation and tests on population regression coefficients, variance of population disturbance term and forecasts. Testing the significance of the model as a whole. Testing the normality assumption.

Extensions of the Two Variable Linear Regression Model: Regressions through the origin, Scaling of Variables and Regression on Standardized Variables. Functional forms of Linear Regression Models: The double log, semi-log, reciprocal, log- reciprocal models with applications.

Unit 2: Multiple Regression Model

[12hours]

Coefficients of regression in a multi variable model and their properties. Interval estimation, tests on population regression coefficients and model significance. Correlations, Goodness of fit and the Adjusted R square. Hypothesis testing for significance of the contribution of a variable, structural stability, restricted least squares.

Unit 3: Dummy Variable Regression Models

[6hours]

Intercept, Slope Dummy variables. Interaction between qualitative variables. Interaction between quantitative and qualitative variables. Use of dummy variables in testing for structural change and for seasonal indices.

Unit 4: Relaxing the Assumptions

[9hours]

Introduction to multicollinearity, heteroscedasticity, autocorrelation and specification errors. The nature of the problem, its detection and corrective measures.

Practical Component (30 hours) : Practicals to be based on an econometric software (e.g., Gretl/SPSS/PSPP). The student is expected to implement using the software, all the regressions and tests noted in the syllabus. An econometric project to be taken up and assessed as part of the practical internal assessment.

Essential/recommended readings

1. Gujarati, D. and Sangeetha, N. (2007) Basic Econometrics. Fourth Edition, Tata McGraw-Hill, New Delhi
2. Dougherty, Christopher. (2011). "Introduction to Econometrics," Oxford University Press,
3. Wooldridge, J. M. (2006). Introductory Econometrics: A modern approach. Mason, OH: Thomson/South-Western.

Suggested readings

1. Asteriou, D., & Hall, S. G. (2011). Applied econometrics. Palgrave Macmillan.
2. Brooks. Chris.(2008) Introductory Econometrics for Finance, Second Edition Cambridge University Press

Note: Examination scheme and mode shall be as prescribed by the Examination Branch, University of Delhi, from time to time.

DISCIPLINE SPECIFIC CORE COURSE – 14 (DSC-14): ORGANISATIONAL BEHAVIOUR

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
Organisational Behaviour (DSC 14)	4	3	1	0	Class 12	None

Learning Objectives

This course aims at:

- To explain core concepts of organizational behaviour
- To apply motivation theories and analysis of interpersonal relationships
- To apply leadership theories to understand leadership traits and issues
- To manage conflict and enhance well being at workplace

Learning outcomes

By studying this course, the students will able to:

- Understand the importance of organizational behaviour as a field of study.
- Understand the role of perception, personality and learning in explaining Individual behaviour and to Apply different motivational theories and leadership styles to increase the productivity and job satisfaction of employees.
- Understand the foundations of group behaviour and the framework for organizational change and development.
- Identify methods to enhance individual and Organizational wellbeing and resolve organizational problems.

SYLLABUS OF DSC-14

UNIT - I: Core Concepts in Organisational Behaviour

(12hours)

Conceptual Foundations and Importance of organizational behaviour. Perception and Attribution: Concept, Factors affecting Perception, Attribution theory, Perceptual Organization and Errors in Perception. Personality: Concept, Factors affecting personality and Theories. Learning: Concept and Theories of Learning, Concept of Reinforcement, Schedules of Reinforcement.

Unit 2: Motivation, Interpersonal Relations and Change Management(12hours)

Motivation: Concepts and their application, Content theories (Maslow, McClelland and Herzberg's Theories); Process theories (Expectancy theory, Equity theory). Analysis of

Interpersonal Relationship: Transactional Analysis, Johari Window. Organisational Change: Concept, Resistance to change, managing resistance to change, Kurt Lewin Theory of Change.

Unit 3: Leadership and Group Processes

(9 hours)

Leadership: Trait Approach, Behavioural theories (Ohio and Michigan State Studies, and Blake & Mouton's Managerial grid), and Contingency theories (Fiedler's Contingency Model, Hersey & Blanchard's Situational Leadership Model) Contemporary Leadership issues: Charismatic, Transactional and Transformational Leadership. Groups and Teams: Definition, Stages of Group Development, Group Processes-Group Cohesiveness, Group Think, Group Shift.

Unit 4: Managing Conflict and Enhancing Wellbeing

(12 hours)

Organisational Power and Politics: Concept, Sources of Power, Tactics to gain power in Organizations. Nature of organisational politics. Conflict: Concept, Sources, Types, Stages of conflict, Management of conflict. Well-being at Work: Importance and Impact of employee emotions and emotional intelligence in organisations. Work stress and its management.

Essential/recommended readings

1. Stephen P. Robbins, T. A. Organisational Behavior. Pearson.
2. Aswathappa, K., & Reddy, G. S. Organisational behaviour (Vol. 20). Mumbai: Himalaya Publishing House.
3. Luthans, Fred, Organisational Behaviour, Tata Mc Graw Hill.
4. Singh, Kavita, Organisational Behaviour, Pearson.
5. Greenberg Jerald and Baron Robert, A. Behavior in Organisations: Understanding and Managing Human side of work. Prentice Hall of India

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DISCIPLINE SPECIFIC CORE COURSE – 15 (DSC-15): INDUSTRIAL ECONOMICS

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
Industrial Economics (DSC 15)	4	3	1	0	Class 12	None

Learning Objectives

The course aims to:

- To understand basics of industrial economics and its scope
- To understand concept and theories of market structure.
- To analyse issues related to market conduct like Entry and Exit Barriers, Pricing Behavior, Research and Innovation, Mergers and Acquisitions and Legal Tactics.
- To explore the role of public policy in Indian industries

Learning outcomes

By studying this course, students will be able to:

- Enable the student to understand how the Industries Function in the real world
- Understand what is market concentration and how does it affect market power
- Know how different strategies are used, under the structure-conduct-performance paradigm, by the firms to maximize their market power.
- Know the importance of regulatory public policy in oligopolistic market, in order to ensure maximum consumer welfare.

SYLLABUS OF DSC-9

UNIT - I: Structure- Conduct- Performance Paradigm (12 weeks)

Basic understanding of Industrial Economics, Scope of Industrial Economics, Structure-Conduct- Performance Model, Different School of Thoughts, Theory of Firm and basic conditions of Demand and Cost.

Unit 2: Market Structure and Concentration (12hours)

What is Market Concentration, Theories of Measurement of Concentration, Deterministic and Stochastic Approach, Lerner and Herfindahl Index, Product Differentiation, Horizontal, Vertical and Conglomerate Mergers, Vertical Integration.

Unit 3: Market Conduct (12hours)

Entry and Exit Barriers, Pricing Behavior, Advertising, Product Strategy, Research and Innovation, Mergers and Acquisitions, Legal Tactics.

Unit 4: Public Policy and Indian Industries

(9hours)

Role and Importance of Industry Regulation, Regulation of Natural Monopoly, Antitrust Legislations and Indian Industries, Social Concerns and Advertising.

Essential/recommended readings

1. Cabral Luis M.B. (2017). Introduction to Industrial Organization. 2ndEdn. Cambridge, MA: MIT Press
2. Carlton, D.W. and J. M. Perloff. (2005). Modern Industrial Organization. Pearson
3. Shy, Oz. (1996). Industrial Organization: Theory and Applications. The MIT Press.
4. Waldman D.E. and E. J. Jensen. (2019). Industrial Organization: Theory and Practice.

Suggestive readings

1. Tremblay, Victor J., and Carol Horton Tremblay. (2012), "New Perspectives on Industrial Organization", New York: Springer.

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