

FOUR YEAR UNDERGRADUATE PROGRAM-2024-28

FACULTY OF COMMERCE COURSE CURRICULUM

PART-A : Introduction		
Program : Bachelor in Commerce (Diploma/Degree/Honors)		Semester- IV
		Session : 2024-25
1	Course Code	COSC-10
2	Course Title	Business Statistics
3	Course Type	Discipline Specific Course (COSC)
4	Pre-requisite (if any)	As per program
5	Course Learning Outcomes (CLO)	<ul style="list-style-type: none"> Understand the basic knowledge of data collection and various statistical elementary tools. Develop the ability to analyse and interpret data to provide meaningful information to assist in management decision. Apply appropriate graphical and numerical descriptive statistics for different types of data. Analyse statistical data graphically using frequency distributions and cumulative frequency distributions, measures of central tendency, dispersion and location. Find the inter-relation between two or more phenomena with the help of curve fitting and correlation-regression analysis.
6	Credit Value	4 Credits
		Credit = 15 Hours-learning & Observation
7	Total Marks	Max. Marks : 100
		Minimum Passing Marks : 40
PART- B: Content of the Course		
Total No. of Teaching-learning Periods (01 Hr. per period)-60 Periods (60 Hours)		
Unit	Topics (Course Contents)	No. of Period
I	Introduction to Statistics: Meaning, Scope, Importance and Limitation, Collection of Data: Primary and Secondary Data, Editing of Data, Classification of Data, Frequency Distribution and Statistical Series, Tabulation of Data, Diagrammatical and Graphical Presentation of Data	15
II	Measures of Central tendency: Mean, Median, Mode, Geometric and Harmonic Mean; Dispersion: Range, Quartile, Percentile, Quartile Deviation, Standard Deviation and its Co-efficient, Co-efficient of Variations and Variance, Test of Skewness and Dispersion, Its Importance, Co-efficient of Skewness. Partition values.	15
III	Correlation: Meaning, Application, Types and Degree of Correlation, Methods-Scatter Diagram, Karl Pearson's Coefficient of Correlation, Spearman's Rank Coefficient of Correlation. Regression Analysis: Meaning and Definition, Uses and Utility of Regression Analysis, Constructions of Regression Lines, Regression Coefficient, Determination of Coefficient of Correlation by Regression Coefficients, Properties of Regression Coefficient, Comparison of Correlation and Regression Analysis.	15
IV	Index Number: Meaning, Types and Uses, Method of Constructing Price Index Number, Fixed: Based Method, Chain-Base Method, Base conversion, Base Shifting Deflating and Splicing. Consumer Price Index Number, Fisher's Ideal Index Number, Reversibility Test Time and Factor; Analysis of Time Series: Meaning, Importance and Components of a Time Series. Decomposition of Time Series: Measurement of Square Trend.	15

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Key Words	Statistics, Collection of Data Frequency Distribution, Measures of Central Tendency, Dispersion, Skewness, Correlation, Regression, Index Numbers, Analysis of Time Series.
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Signature of Convener & Members (CBoS):

PART- C: Learning Resources		
Text Books, Reference Books and Others		
Text Books Recommended:-		
1. Dr.S.M.Shukla & Dr. S.P.Sahaya,Sahitya Bhawan Publication,Agra(Hindi & English Medium)		
2.Gupta, S.C. Fundamental of Statistics, Himalaya Publication.		
3. Gupta S.P. & Gupta Archana, Elementary Statistics, (English and Hindi) Sultan Chand & Sons,New Delhi.		
4.Dr.Gupta,Sharma,Dandekar,SBPD,Publishing House,Agra(Hindi & English Medium)		
Note: Learners are advised to use latest edition of text books.		
Reference Books:		
1.Heinz, Kohler: Statistics for Business & Economics, HarperCollins;		
2.Sharma J.K., Business Statistics, Person Education		
On line Resources : * e-Resources/e-books and e-learning portals:		
https://www.youtube.com/watch?v=UjPTKJ2API8		
https://www.youtube.com/playlist?list=PLCyCyhRyXPpb6l5Aru-fMvXHMVjBWIL9l		
https://www.youtube.com/playlist?list=PL9Cd7H8NFRQzA0_e8epz4l5rBCP2-mBWT		
https://onlinecourses.swayam2.ac.in/cec20_mg13/preview		
https://www.classcentral.com/course/swayam-bcoc-134-business-mathamatics-and-statistics-59093		
PART -D : Assessment and Evaluation :		
Suggested Continuous Evaluation Methods: Maximum Marks-		100 Marks
Continuous Internal Assessment (CIA) :		30 Marks
End Semester Exam. (ESE) :		70 Marks
Continuous Internal Assessment : (CIA) (By Course Teacher)	Internal Test/Quiz(2): 20 & 20 Assignment/Seminar: 10 Total Marks: 30	Highest marks out of the Two Test/Quiz+obtained marks in Assignment shall be considered against 30 Marks
End Semester Exam.(ESE):	Two Section :- A & B Section A :Q.1-Objective-10x1=10Marks;Q.2-Short answer type-5x4=20 Marks Section B : Descriptive answer type qts.1 out 2 from each unit-4x10=40Marks	

Name and Signature of Convener & Members of (CBoS) :

The block contains several handwritten signatures in blue ink. Some signatures are accompanied by names and dates. For example, one signature is dated 10/06/24, another is dated 10/06/24, and one is dated 10/06/24. There are also some illegible signatures and initials.