

Subject Code: 2CM1010122	Subject Title: Fundamentals of business Statistics-1 Course Type: Subject Elective: Statistics
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Course Objective: To provide basic information to students about the fundamentals principles of statistics and its application in the field of commerce.

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)		
Lecture	Tutorial	Practical	Credit	University Assessment	Institutional Assessment	Total
3	-	-	3	70	30	100

Subject Contents			
Sr. No	Topic	Total Hours	Weight (%)
1	Introduction: Collection of data, Classification of data, Primary Data, Secondary Data Classification and tabulation of statistical data Diagrammatic and graphical representation of data.	9	25%
2	Measures of Central tendency- Mean Median and Mode, Dispersion, Range, Quartile, Deviation, Mean Deviation Standard Deviation, Measures of Skewness.	9	25%
3	Linear Correlation: Concept of bivariate data, definition and types of correlation, definition of correlation coefficient(r), its properties and interpretation of values of r, Methods of finding correlation coefficient by using Karl Pearson method for bi-variate data and for frequency distribution data, Spearman's method for finding rank correlation coefficient for repeated and non repeated ranks.	9	25%
4	Demographic statistics: Meaning, definition and uses of demographic statistics, methods of collecting demographic statistics- registration method census method, analytical method. Mortality rates pertaining to (i) CDR (ii) SDR (iii) IMR, Birth rates pertaining to (i) CBR (ii) SBR (iii) Age specific birth rate, fertility rates pertaining to (i) GFR (ii) SFR (iii) TFR	9	25%

Reference Books:

1. J.K.Sharma, Business statistics, Pearson , New Delhi
2. Gupta S.C., Fundamentals of Statistics, Himalaya Publishing house, Mumbai.
3. Sancheti and Kapoor , Business statistics , Sultan Chand And Sons , New Delhi
4. Trivedi & Trivedi: Business mathematics, Pearson India ltd. New Delhi.
5. Srivastava O.S; A text book of demography, Vikas Publishing.
6. Ken Black, Business statistics, Jhon Wiley and sons (Asia) Pte. Ltd. Singapore