

BACHELOR OF ARTS

COURSE OF VSK UNIVERSITY

BAEconomics:Semester V

BAECS502:Basic Statistics for Economics

Sub Code: BAECS 502	No of Lecture Hours per week: 04
Maximum Marks: 100	Internal Marks: 30 and FE: 70

Objectives:

- To familiarize students with basic Statistical skills.
- To train students in application of Statistical techniques to economic problems.

Module I DEFINITIONS AND SCOPE OF STATISTICS 10Hours

Economics and Statistics - Importance of statistics in Economics and its Limitations. Data- Primary and Secondary –Classification and Tabulation of Data - Graphical representation –Bar chart, Histogram, Pie Chart.

Module II MEASURES OF CENTRAL TENDENCY 10Hours

Arithmetic Mean, Geometric Mean and Harmonic Mean- Median - Mode, for Grouped and Ungrouped Data – uses in Economics.

Module III MEASURES OF DISPERSION 15Hours

Range, Semi-Inter Quartile Range, Mean Deviation and Standard Deviation– uses in Economics.

Module IV INDEX NUMBERS 15Hours

Meaning of Index Numbers – Problems in the Construction of index numbers; Laspeyres', Pasche's and Fischer's Ideal Index Numbers; Whole Sale Price Index Numbers and Cost of Living Index Numbers

Module V CORRELATION AND REGRESSION 10 Hours

Correlation –definition, types of correlation. Coefficient of correlation, Spearman's Rank Correlation Coefficient. Karl Pearson's Coefficient of Correlation. Regression –definition, estimation of relationship by Ordinary Least Squares.

Text Book:

SP Gupta (2008). Statistical Methods.31st Edition.Sultan Chand and Sons.

REFERENCES:

Levin and Rubin (2007).Statistics for Management.PHI publications.7th edition.

Monga G. S. (1972), Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi.

SC Gupta (2011).Fundamentals of Statistics.Himalaya Publishing House.

SP Gupta (2008). Statistical Methods.31st Edition.Sultan Chand and Sons.

Veerachamy R. (2002), Quantitative Methods for Economists, New Ages international Publishers, Bangalore.