Curriculum Delivery for 2nd Semester
Four-Year Undergraduate Program (FYUP)
Mathematics
Session: 2025-2026

B.Sc. Statistics (Multidisciplinary Course)
SEMESTER-II
Course Code: ST-MU-2-T
Course title: Descriptive and Applied Statistics
Session: 2025-2026

Semester – II			
Name of the teacher	**Unit**	**Subject**	**Classes**
Dr. Sarifuddin	2	Measure of central tendency: mathematical and positional. Measures of Dispersion: range, quartile deviation, mean deviation, standard deviation, coefficient of variation, moments, skewness and kurtosis.	6
Babulal Tudu	5	Index numbers: Definition, Criteria for a good index number, different type of index numbers. Construction of index numbers of prices and quantities, consumer price index numbers. Use and limitations.	5
Bilkish Khatun	1 & 4	**1.**Introduction: Definition and scope of statistics, concepts of statistical population and sample. Data: quantitative and qualitative, attributes, variables. Frequency distribution, Presentation: tabular and graphical including Histogram and Ogives. **4.** Economic time series: Components of time series, Decomposition of time series, Additive and multiplicative model with their merits and demerits. Illustration of time series. Measurements of trend by method of free-hand curve and method of least square. Measurement of seasonal variations of	10

		method of ratio to trend.	
Gaurab Mitra	**3**	Bivariate Data: Definition, Scatter diagram, simple correlation. Rank correlation (Spearman). Simple linear regression, principle of Least square. Theory of attributes, consistency of data, independence and association of attributes, measure of association and contingency.	6