

Course Title	BUSINESS STATISTICS
Course Code	STA 101
Course Purpose and Objectives	The purpose of this course is to introduce the subject of business statistics which covers the need for quantitative analysis in business, the basic procedures in problem solving, and the sources and types of data used by business firms. Basic probability concepts and normal probability distribution will be used by the student to solve problems which involve business applications. In addition, hypothesis testing and simple regression analysis are introduced.
Learning Outcomes	<ol style="list-style-type: none"> 1. Explain the different types of data and categorise them for the construction of tables and charts. 2. Distinguish and interpret a linear relationship between two variables. 3. Examine exploratory Data and estimate descriptive summary measures from a population. Estimate the coefficient of Correlation. 4. Apply basic probability rules to calculate probabilities and the Binomial and Normal Distribution to business problems. 5. Explain how statistics can be embedded in management thinking for decision making under uncertainties, to improve communication and analytical skills through learning statistical concepts and business applications.
Course Content	<ul style="list-style-type: none"> • Introduction and data collection • Presenting data in tables and charts • Numerical descriptive measures • Basic probability • Probability distributions • Binomial distribution • The normal distribution • Simple linear regression