



AL MUSANNA COLLEGE OF TECHNOLOGY

DEPARTMENT OF BUSINESS STUDIES

BAST 1207	Managerial Statistics	3 Credit Hours
Prerequisites:	Applied Math/ Business Mathematics	
Goal	This course is designed to provide students with knowledge on how to solve business problems by applying statistical principles.	
Objectives	Outcomes	
<p>At the end of the semester, this course should enable the students to:</p> <ol style="list-style-type: none"> 1. Provide students with adequate statistical tools and enable them to understand some basic descriptive and analytical statistical methods 2. Understand and discuss some of the issues and problems associated with collecting and interpreting data from survey, and other statistical studies. 3. Understand the concepts of probability, random variables and their distributions, in particular the binomial distribution and normal distributions. 4. Understand the concepts of regression and correlation analysis and time-series 	<p>At the end of the semester, the student who satisfactorily completes the course should be able to:</p> <ol style="list-style-type: none"> 1. Present results in a logical and readable format and Summarize and present statistical data by using means, measures of dispersion and graphs. 2. Estimate population parameters from sample statistics with appropriate confidence intervals 3. Present data using different types of graphical and tabular representation 4. Using simple and multiple regression models to estimate and test for linear relationship between a dependent variable and one or more independent variables 5. Compute simple and multiple correlation coefficients 	