Course Code: BCOM E2035

Title: Business Statistics

Type/Status: Core

Aims: This course unit is designed to provide knowledge and skills to interpret and use statistical techniques in a variety of business applications.

Learning Outcomes: By the end of the course units, students should be able to:

- Use statistics as a tool to collect, analyze and interpret data related to business.
- Apply statistical techniques to specify behavioral and business situations.

Course Content:

Introduction to Business Statistics, Definition and scope of Statistics, Designing Descriptive Statistics and analytical surveys, Designing Evaluations, Data collection methods, Probability and Probability Distributions, The nature and logic of Inferential Statistics, , Estimation , Estimation and the t-distribution, Hypothesis Testing, Hypothesis Testing-Single population Mean, Hypothesis Testing-Two population means and proportions, Sampling, Regression analysis, Time series analysis, Experimental design and Analysis of variance, Non parametric methods. Introduction to quality improvement, Process improvement using control charts

Method of Teaching & Learning:

Seminar & self learning

Scheme of Evaluation:

End year examination

Recommended Reading:

Beri, G. C. (2007). *Business Statistics*. (2nd Edition). New Delhi: Tata McGraw- Hill.

David R. Anderson, Dennis J. Sweeney, and Thomas A. Williams, (2004). *Essential of Modern Business Statistics with Microsoft Excel*. Mason OH : South Western college Publishing.

David Moore, George Mc Cabe, and Williiam Duckworth, (2003)**.** *The Practice of Business Statistics, using Data for Decisions*. W.H. Free man & Company.

Mario F. Triola. (2007). *Elementary Statistics***.** (10th edition). Wesley.