

Date Prepared: July 5, 2000

COURSE OUTLINE

New Revised

Effective Date: August 22, 2000

1. **COURSE PREFIX NUMBER:** BUS 220 **CREDIT HOURS:** 3
2. **COURSE TITLE:** Introduction to Business Statistics
3. **PREREQUISITES:** None
4. **COURSE DESCRIPTION:** Introduces statistics as a tool in decision-making. Emphasizes ability to collect, present, and analyze data. Employs measures of central tendency and dispersion, statistical inference, index numbers, probability theory, and times series analysis. Lecture 3 hours per week.

5. **CONTENT:** (Major Headings)

- a. Introduction to Modern Statistics
- b. Summarizing Data: Frequency Distributions
- c. Summarizing Data: Statistical Descriptions
- d. Possibilities, Probabilities, and Expectations
- e. Some Rules of Probability
- f. Probability Distribution
- g. The Normal Distribution
- h. Sampling and Sampling Distributions
- i. Decision Making: Inferences About Means

6. **GENERAL COURSE OBJECTIVES:**

Upon successful completion of the course, the student will be able to

- a. apply statistical tools to decisions which affect profitability and continuity in modern business
- b. utilize skills to apply descriptive statistical techniques and statistical inference