

Date Prepared: July 19, 2000

## COURSE OUTLINE

    New        x   Revised

Effective Date: August 21, 2000

1. **COURSE PREFIX NUMBER:** BUS 221 **CREDIT HOURS:** 3
2. **COURSE TITLE:** Business Statistics I
3. **PREREQUISITES:** MTH 163 or division approval.
4. **COURSE DESCRIPTION:** Focuses on statistical methodology in the collection, organization, presentation, and analysis of data; concentrates on measures of central tendency, dispersion, probability concepts and distribution, sampling, statistical estimation, normal and T distribution and hypotheses for means and proportions. Prerequisite: MTH 163 or school approval. Lecture 3 hours per week.

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

- a. Measures of central tendency
- b. Dispersion
- c. Probability concepts
- d. Sampling
- e. Statistical estimation
- f. Normal and T-distributions
- g. Hypotheses for means and proportions

6. **GENERAL COURSE OBJECTIVES:**

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

- a. Demonstrate a mastery of the basic concepts of business statistics
- b. Understand frequency distributions, mean, median, mode, standard deviation, probability, sampling techniques, and hypothesis testing