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