A. Division: **Instruction** Effective Date: **September 2004**

B. Department / **Commerce & Business Admin.** Revision **X** New Course
Program Area:

M: Course Objectives / Learning Outcomes

At the end of the course, the successful student should be able to:
1. organize and summarize health science data;
2. draw a scientific sample from a population;
3. apply the appropriate inferential statistics technique to reach decisions about a population by examining a sample;
4. apply these statistical techniques both manually and using statistical and spreadsheet software.

N: Course Content:

1. Simple Random Sample.
2. Frequency distribution.
3. Measures of Central Tendency and Dispersion.
4. Calculating the probability of an event: conditional, joint, marginal probabilities.
5. Probability distributions of discrete variables: Binomial distribution and Poisson.
6. Probability distribution of continuous variable: Normal distribu79 536.5801 Tm(d Po)Tj10 Tm(al d)Tj10.02 0 .0601

R: Prior Learning Assessment and Recognition: specify whether course is open for PLAR

No