WILMINGTON UNIVERSITY
COLLEGE OF ARTS AND SCIENCES
BASIC COURSE INFORMATION

COURSE NUMBER: SCI 308

COURSE TITLE: Statistics for the Sciences

RATIONALE:

Practitioners in the behavioral, social, medical, and natural sciences need to understand and be able to interpret results of statistical analysis of data.

1. COURSE OBJECTIVES:

Upon successful completion of this course the student will be able to:

IDEA- 2 1. Learn fundamental principles, generalizations, or theories
IDEA- 3 2. Learn to apply course material (to improve thinking, problem solving, and decisions)
IDEA- 1 3. Gain factual knowledge (terminology, classifications, methods, trends.)

4. Organize data in preparation for analysis.
5. Understand and compute measures that describe data (measures of central tendency and dispersion).
6. Understand and compute measures that describe the relationship (correlation) between two independent and dependent variables.
7. Understand probability distributions and how these distributions can be used to determine probabilities.
8. Interpret the results of an experiment or research project.