Administrative Unit: Education Department
Course Prefix and Number: EDUC 570
Course Title: Statistics for the Behavioral Sciences

DIGITAL DESCRIPTIONS

STUDENT DESCRIPTION: PAY-HOUR DESCRIPTION:
# Cr Hrs - # Lec Hrs - # Lab Hrs Total # = Lec Hrs + Lab Hrs
3 - 3 - 0 3 = 3 + 0 X 2/3

Catalog Description: The study of parametric and nonparametric statistics used in the behavioral sciences. Included will be analyses of relationship and variance, as well as effect sizes associated with each. Prerequisite: Graduate Standing. Arranged offering.

Prerequisites/Corequisites: Graduate Standing.

Text:

Course Objectives:
1. Understand the theory of statistical analyses.
2. Demonstrate the ability to correctly identify statistical analyses appropriate for the problem or issue of interest.
3. Demonstrate the ability to compute, and interpret, parametric and nonparametric statistics using a scientific calculator and/or a computer software program (e.g., Statistica, SPSS, SAS, BMDP).

Topical Outline:
1. The scientific method
2. The role of statistics in the study of behavior
3. Theoretical underpinnings of parametric and nonparametric statistics
4. Parametric analyses
5. Nonparametric analyses
6. Selecting the correct statistical analysis
7. Computation of parametric and nonparametric analyses
8. Interpreting statistical results

Recommended maximum class size for this course: 15

Prepared by: Ronald D. Taylor, Ed.D.
Name
Signature

Date: January 3, 2003

NOTE: The intention of this master course syllabus is to provide a general outline of the contents of this course, as specified by the faculty of Columbia College, regardless of who teaches the course, when it is taught, or where it is taught. This generic outline is not intended to restrict the way any individual faculty member teaches the course. The master syllabus, therefore, should be general enough to allow for a diversity of individual approaches to teaching the course, while at the same time it provides guidance on what the course should cover.