

# Research on Statistical Issues in the Behavioral and Educational Sciences

## Information

### Course

- Y650, Spring 2007, Course Number 27959 (January 12–April 20, 2007).
- Web Page <http://www.indiana.edu/~kenkel/courses>.

### Instructor

- Ken Kelley, Ph.D.
- Email Address: KKIII@Indiana.Edu
- Office Location: 4040 W. W. Wright
- Office Phone Number: (812) 856-8330
- Office Hours: Friday, 8:00–9:30AM and by appointment.

### Time and Location

- Where: Room 1255 in W. W. Wright.
- When: 9:30AM–Noon every Friday.

### Prerequisites

- Competency in intermediate statistical methods with familiarity of some advanced statistical methods.
- Registration requires permission of the instructor conditional on an approved project proposal.

## Course Description

This course is designed as a seminar in the formal usage of the term: “a group of advanced students studying under a professor with each doing original research and all exchanging results through reports and discussions” (Merriam-Webster, 2007). The purpose of the seminar is for students to become familiar with advanced statistical methods, identify current limitations in the development or application of a particular method, and work to identify a possible solution for the identified limitation. The goal of the seminar is for each student to complete a draft of a manuscript outlining the existing literature on the selected topic, the identified limitation(s), consequences of the limitation(s), and a proposed solution for the identified problem. The ultimate goal is for the work to be being published in a quality outlet.

## Grading

Grading will be based on regular class presentations, written manuscript reviews of other students’ work, originality and quality of written work, and general contribution to the course.

## Academic Honesty and Intellectual Integrity

Academic dishonesty of any kind (e.g., cheating, plagiarism, record altering, etc.) will not be tolerated. As stipulated in *General Principles and Policy* section of Indiana University’s Academic Handbook (available here: <http://www.indiana.edu/~deanfac/acadhbkl/>), academic dishonesty of any kind will be reported.

## Syllabus Disclaimer

The information provided on this syllabus is tentative and subject to change. In fact, it will almost certainly change from time to time. Major changes to the syllabus will be noted during lecture.