

EDFD 507-92(508-82): EDUCATION RESEARCH AND PAPER - SUMMER 2019

CRN 50324/50325

TUESDAY & THURSDAY: 6:15-9:00 p.m.

Cohen 190

PURPOSE OF CLASS:

To provide an overview of Educational Research, its methods, and accomplishments. The research paper, which is completed in conjunction with the course, requires the students to implement selected methods from the course and to become familiar with one area of research literature.

SUBJECT MATTER:

The course is divided conceptually into four main areas:

- 1) Understanding, critical evaluation, and use of published literature in education;
- 2) Preparation of a research proposal and completion of a chosen research project;
- 3) Understanding of the types of research: their separate methodologies, uses, strengths, and weaknesses;
- 4) Understanding, computation, and interpretation of the analytical methods of research.

STUDENT LEARNING OUTCOMES:

Upon completion of this course, students will be able to:

- 1) Identify a variety of research designs that are both quantitative and qualitative;
- 2) Understand the concepts of internal and external validity;
- 3) Identify a researchable problem;
- 4) Correctly calculate and interpret descriptive statistics including mean, median, mode, standard deviation, variance, and range;
- 5) Correctly calculate and interpret basic statistical inferential procedures including t-tests, ANOVA, correlation;
- 6) Demonstrate an ability to critically analyze and interpret published research;
- 7) Effectively conduct a research study and prepare a research paper according to APA guidelines.

EVALUATION:

- 1) Since a major portion of the class will involve lecture, discussion and lab work, **ATTENDANCE IS MANDATORY**.
- 2) Your final grade for the course will be an equal weighting of your chapters 1 & 3, statistics test, and final examination.
- 3) You must complete and pass CITI tutorial for protecting human research participants at www.citiprogram.org. Print your completion certificate and turn it in to your Professor.

RESEARCH PAPER:

Copies of several research papers are on reserve in the Library. These papers are presented as models but are not all perfect. Follow procedures outlined in class and described in the Xavier Research Paper guide (<http://www.tmflick.net>). The research paper must be completed using APA referencing and the five chapter style described in class. Two copies of the final paper should be submitted using a good quality bond paper (at least 25% cotton) and coil bound using a black vinyl cover. Your grade for the Research Paper is separate from the course. Additional departmental policies on the research paper are available upon request. Graded research papers will be available for pick-up (in the XCEED Office) two weeks after submission. Papers that are not claimed within four additional weeks will be discarded.

Typical Research Projects for EDFD 508:

- 1) Studies using surveys conducted on attitudes of teachers toward educational issues (e.g. vouchers, proficiency testing, school funding, etc).
 - 2) Studies related to data gathered from school files (e.g. test scores and achievement, absences and achievement, absences and discipline, etc).
- If student data is used, anonymity is assured and permission (school administration approval) is always obtained before research is conducted. A letter of permission from school districts/building principals is required for projects conducted in schools.

CLASS SCHEDULE

DATE	TOPIC	TEXTBOOK READINGS
May 14	Research Problems & Hypotheses Types of Research The Research Proposal	Chapters 1, 2 & 3
May 16	Writing Chapters 1 & 3 / Intro to Stats	Chapters 5 & 6
May 21	More Statistics	Chapters 11, 12
May 23	Review of the Literature CHAPTERS 1 & 3 DUE	Chapter 4
May 28	Writing Research Reports & APA Style	
May 30	STATISTICS TEST	Chapter 7, 8, 9, 10
June 4	Review and Catchup	
June 6	FINAL EXAMINATION	