

Texas A&M University-San Antonio
College of Education and Human Development
EDCI 5314: General Research Methods II

A. MAJOR COURSE REQUIREMENTS:

- Various Qualitative and Quantitative Research Design Activities
 - Research Question and Purpose Section
 - Research Article Critique & Presentation
 - Qualitative Data Collection
 - Coding, Content Analysis, & Presenting Data
 - Quantitative Data Analysis Labs
 - Research Methodology Section
 - Literature Review
 - Research Proposal Presentation
 - Final Research Proposal

B. LEARNING OBJECTIVES:

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

1. Describe the importance and use of research in making informed educational decision.
2. Identify, classify, and critique educational studies by method/paradigm and describe different traditions informing qualitative, quantitative, and mixed-methods research methodologies.
3. Recognizing how and when qualitative, quantitative, and mixed-methods modes of inquiry (research) can be productive for practitioner research (teacher/administrator) and academic educational research.
4. Understand the basic methods and means used to collect and analyze data informed by the qualitative, quantitative, and mixed-methods research paradigms and applied in educational contexts.
5. Recognize the implications/impact of the choices made in design, implementation, analysis, and reporting of findings/conclusions in qualitative, quantitative and mixed-methods research as applied in educational contexts.
6. Apply knowledge and skills developed in this course to the completion of the scholarly research manuscript component of this Master's Program- to include, following the format (writing conventions) of the Publication Manual of the American Psychological Association (7th ed.).

C. LECTURE OR DISCUSSION TOPICS

- Research Design
- Developing Research Questions
- Literature Review
- Validity and Reliability
- Overview of Qualitative Methodologies
- Overview of Quantitative Methodologies
- Research Instrument (Questionnaires, Interviews, Observation, & Tests)
- Qualitative Data Analysis – Coding & Content Analysis
- Quantitative Data Analysis – Descriptive statistics & Inferential statistics
- Writing and Presenting Findings

D. REQUIRED & RECOMMENDED READINGS

Required Textbooks:

Cohen, L., Manion, L., & Morrison, K. (2018). *Research methods in education*. 8th Ed. Routledge.

Recommended Textbooks:

Howell, D. C. (2013). *Statistical Methods for Psychology*, (8th Ed.). Belmont, CA: Wadsworth Cengage Learning.

Creswell, J. W., & Poth, C. N. (2018). *Qualitative inquiry and research design: Choosing among five approaches*. Los Angeles, CA, CA: Sage.

Madison, D. S. (2016). *Critical ethnography: Method, ethics, and performance*. Los Angeles, CA: Sage.

American Psychological Association (APA). (2020). *Concise Guide to APA Style: Seventh Edition*. APA. ISBN-10 1433832739