

A. MAJOR COURSE DESCRIPTION/REQUIREMENT This course addresses basic concepts associated with research as well as historical development of research methodologies. Emphasis will be on research design and the exploration of threats to various types of validity and reliability. Students will be expected to critically evaluate existing research and understand how research impacts policies and procedures in education. Focus will be on research in applied educational settings. This course is writing intensive and students are expected to generate new knowledge in an educational area of choice.

B. LEARNING OBJECTIVES

1. Differentiate between the characteristics and purposes supporting quantitative and qualitative research.
2. Explain the major ideas that have influenced the development of quantitative and qualitative research.
3. Identify characteristics that distinguish and are similar for quantitative and qualitative research in each step of the research process.
4. Define and identify a research problem and explain its importance to a study.
5. Identify how quantitative and qualitative research problems differ.
6. Analyze and discuss examples of mixed methods research and the implications of combined research methods.
7. Synthesize the steps and the significance of the research process.
8. Apply and evaluate a variety of research designs.
9. Demonstrate mastery of knowledge through effective written and oral communication.

C. LECTURE OR DISCUSSION TOPICS

What is research?
APA
Brief overview of Research Designs
Finding your topic
Research problem statements
Research questions
Quantitative
What are EBP/WWC?
How to read an article
Organizing your research
Qualitative
Quantitative Study Designs
Types of Data
Validity and Reliability
Statistics
Qualitative Data
Action Research

D. REQUIRED OR RECOMMENDED READINGS

American Psychological Association (2020). Publication manual of the American Psychological Association (7th ed.).
Washington, DC: American Psychological Association.

Other readings will be provided through Blackboard.