

Minnesota State University Moorhead

ED 704: Quantitative Methods in Educational Research

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course is designed to provide doctoral level students with theoretical and practical preparation in quantitative research design including: instrumentation; data collection; statistical analysis; ethics and politics of the conduct of research; and development of analytical skills for critiquing quantitative research.

B. COURSE EFFECTIVE DATES: 09/02/2016 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Analyze their own identities and ethical responsibilities as educational researchers, and synthesize skills for further and ongoing reflection about their work and their relationship to it.
2. Develop an awareness of the overall process of conducting a quantitative research study, including the ways in which the different aspects of the process hang together.
3. Develop quantitative research skills related to designing a study, collecting and analyzing data, making appropriate claims about findings, positioning their work relative to existing literature, and appraising others quantitative research.
4. Gain a sense of the landscape of quantitative research, including some of the different tools and approaches available to researchers and ways in which quantitative research can complement qualitative research.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted