

Minnesota State University Moorhead

ED 603: Methods of Research

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Methodology of design of research studies; preparation of effective technical reports.

B. COURSE EFFECTIVE DATES: 06/01/1995 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. The basics of educational research
2. Data analysis
3. Quantitative research methodologies
4. Qualitative research methodologies
5. Writing research proposals and reports

D. LEARNING OUTCOMES (General)

1. Understand the role of educational research in educational practice
2. Understand the major types of quantitative and qualitative educational research
3. Understand the unique characteristics of Action Research
4. Propose a research question to be investigated
5. Determine the relevance of the research project for the educational practice
6. Evaluate and select the most adequate method to respond to the research question
7. Identify types of variables and types of hypotheses
8. Understand the sampling process and sampling methods
9. Evaluate and select the most relevant literature
10. Understand reliability and validity in the research context
11. Discuss the ethical aspects of research
12. Discuss the ethical aspects of research Complete the National Institutes of Health certification
13. Prepare a research proposal or a project focusing on utilizing educational research in academic settings following APA writing style

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted