A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: *. *
Lab Hours/Week: *. *
OJT Hours/Week: *. *
Prerequisites: None
Corequisites: None
MnTC Goals: None

An introduction to research methods, including development of research proposals, theory of research, data acquisition, and analysis within multiple disciplines. Prerequisites: Junior status and consent of instructor.

B. COURSE EFFECTIVE DATES: 05/15/2013 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. 1) Identification of a research problem and formulating a hypothesis.
    2) Identifying and acquiring appropriate literature.
    3) Designing an experiment that will test the hypothesis.
    4) Methods of data analysis.
    5) Preparation and presentation of a research plan.

D. LEARNING OUTCOMES (General)

1. Students will identify problems within their major discipline to be addressed through research.
2. Students will construct testable hypotheses focused upon a disciplinary problem.
3. Student will complete a literature review focused on a disciplinary problem, including use of discipline-specific bibliographic databases.
4. Students will identify an appropriate experimental design for data collection and data analysis.
5. Students will evaluate research related ethical considerations.
6. Students will prepare and present a research plan on a research problem within their discipline.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted