

# Bemidji State University

## UNIV 3000: Interdisciplinary Research Methods

### 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) 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.
  - ¿ Students will construct testable hypotheses focused upon a disciplinary problem.
  - ¿ Student will complete a literature review focused on a disciplinary problem, including use of discipline-specific bibliographic databases.
  - ¿ Students will identify an appropriate experimental design for data collection and data analysis.
  - ¿ Students will evaluate research related ethical considerations.
  - ¿ 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