A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: *.*
Lab Hours/Week: *.*
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

Students learn a combination of literature, laboratory, or field techniques and carry out research under the supervision of a faculty advisor. Students will work together to critique and improve course projects during the semester.

B. COURSE EFFECTIVE DATES: 08/21/2017 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Environmental Studies
2. Research proposal writing
3. using advanced statistical methods
4. writing manuscripts

D. LEARNING OUTCOMES (General)

1. gain exposure and competency in basic research methods that are applicable to the sciences.
2. evaluate research methodologies relevant to their individual research areas and present these findings in oral presentations and as a short paper appropriate for inclusion in a methods section of a research proposal.
3. learn to work within a research team framework.
4. learn how to apply basic methods specific to their research projects. Students will write a short research paper summarizing their results, complete with discussion and conclusions.
5. explore published literature and other sources related to their research projects as their work proceeds during the course.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted