

Minnesota State University Moorhead

GEOS 492: Senior Seminar

A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 1

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Student and faculty participants will give oral presentations of their own independent research and/or critical evaluation of professional literature. The course will review methods of library research and Geoscience research. Students must have taken at least one introductory course in Geosciences and must have attained Junior status in a Geoscience major.

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

C. OUTLINE OF MAJOR CONTENT AREAS

1. Read, analyze, and discuss several journal articles and professional reports in the Geosciences
2. Exercises in graph-reading, text reading, map reading
3. Library research and other types of searching
4. Written and oral presentation skills and Geoscience presentations
5. Exit assessment exam

D. LEARNING OUTCOMES (General)

1. Students will be able to use library resources and search facilities for geosciences research.
2. Students understand the differences between peer-reviewed and non-peer-reviewed literature.
3. Students can interpret and explain graphical information and maps as they are presented in technical papers.
4. Students can identify and distinguish key evidence, arguments, conclusions, and implications of research papers in their field aimed at the literate non-specialist (e.g. Nature).
5. Students can interpret and evaluate technical text in their discipline and explain it with pictures and words.
6. Students present results of their own library or lab research in a professional oral manner.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted