

# Minnesota State University Moorhead

## GEOS 110: Introductory Physical Geography

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: Goal 03 - Natural Science

Basic elements of geography including weather and climate, vegetation, soils and landforms. MnTC Goal 3.

### B. COURSE EFFECTIVE DATES: 12/26/2001 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Earth/Sun Relationships
2. Energy Balance
3. Weather and Climate
4. Biogeography
5. Soils
6. Rocks, Minerals, weathering, and Landforms
7. Volcanics and Tectonics
8. Water and Landforms made by water
9. Landforms of Wind and Waves
10. Glacial Landforms

### D. LEARNING OUTCOMES (General)

1. Students will be able to demonstrate an understanding of basic scientific theory as it relates to geography and make determinations of what is theory and what is fact.
2. Students will be able to determine which disciplines of the sciences have contributed to the various areas of geography.
3. Students will demonstrate comprehension of the interconnected nature of all sciences as manifested in geography in their written work.
4. Students will display an understanding of geosciences in society.
5. Students will develop a curiosity about geographic sciences as shown by their research papers.

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

### Goal 03 - Natural Science

1. Formulate and test hypotheses by performing laboratory, simulation, or field experiments in at least two of the natural science disciplines. One of these experimental components should develop, in greater depth, students' laboratory experience in the collection of data, its statistical and graphical analysis, and an appreciation of its sources of error and uncertainty.
2. Communicate their experimental findings, analyses, and interpretations both orally and in writing.
3. Evaluate societal issues from a natural science perspective, ask questions about the evidence presented, and make informed judgments about science-related topics and policies.
4. Demonstrate understanding of scientific theories.

## **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

## **G. SPECIAL INFORMATION**

None noted