

Minnesota State University Moorhead

GEOS 211L: Problems in Water, Land & People

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites:

GEOS 109 - Processes & History of a Dynamic Planet AND GEOS 110 - Water, Land & People: An Introduction to Physical Geography

Corequisites: None

MnTC Goals: None

This independent study self-learning module provides a guided opportunity to practice applying concepts from GEOS 110 through applied reasoning challenges, real-world problem in physical geography, and self-guided labs and field work. Problems include exercises in landscapes and landscape formation, soils and ecosystems, surface and groundwater processes, weather and climate, natural hazards, and natural resources. Online lectures provide a review and extension of concepts from GEOS 110. Pre-requisite = GEOS 109 or 110.

B. COURSE EFFECTIVE DATES: 02/10/2022 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Physical Geography
2. Meteorology
3. Geomorphology
4. Climate
5. Hydrology
6. Soil Science

D. LEARNING OUTCOMES (General)

1. Explain relationships between spatial data and physical process for landscapes, weather, natural resources, and natural hazards.
2. Interpret and create appropriate maps of landscapes and weather.
3. Predict movement of surface and ground water.
4. Explain causes of climatic variations through time and location.
5. Identify issues with soil type and implications for erosion or construction.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted