

# Bemidji State University

## GEOL 2925: People and the Environment: Earth Science Perspective

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: Goal 10 - People/Environment

Application of the Earth Sciences in understanding the causes of, and solutions to, environmental problems. Environmental perspectives on geologic hazards. Liberal Education Goal Area 10.

### B. COURSE EFFECTIVE DATES: 02/03/1998 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Overview; Environmental problems, environmental solutions
2. Physical systems and the environment
3. Economics and the Environment
4. Ecosystem issues
5. Human Population
6. Energy
7. Earth's climate over time
8. Geologic hazards

### D. LEARNING OUTCOMES (General)

1. learn to recognize specific environmental problems
2. formulate and test hypotheses pertaining to specific environmental situations
3. effectively communicate environmental information in written and oral formats
4. gain specific environmental knowledge pertaining to earth science

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

Goal 10 - People/Environment

1. Discern patterns and interrelationships of bio-physical and socio-cultural systems.
2. Describe the basic institutional arrangements (social, legal, political, economic, religious) that are evolving to deal with environmental and natural resource challenges.
3. Evaluate critically environmental and natural resource issues in light of understandings about interrelationships, ecosystems, and institutions.
4. Propose and assess alternative solutions to environmental problems.
5. Articulate and defend the actions they would take on various environmental issues.
6. Explain the basic structure and function of various natural ecosystems and of human adaptive strategies within those systems.

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted