North Hennepin Community College

BIOL 1160: Global Environment Field Biology

A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: Goal 03 - Natural Science, Goal 10 - People/Environment, Goal 03 - Natural Science, Goal 10 - People/Environment

This course will introduce students to the ecology and environmental issues of various locations abroad, and present them within the context of the social, cultural and political conditions of that country or region. Students will examine how various cultures and societies approach ecological and environmental problems. The impact of globalization on these issues will be a major focus of the course. Students will travel to the country or region of study to examine first-hand the issues covered in the course.

B. COURSE EFFECTIVE DATES: 08/26/2002 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Students will examine how various cultures and societies approach ecological and environmental problems within the context of global economic issues, global climate change, and local or regional needs.

D. LEARNING OUTCOMES (General)

1. Demonstrate a basic understanding of major ecosystems of the study region¿s coast, mainland, and coastal waters (where applicable) (MnTC G3, comp a; MnTC G10, comp a; ELO 1)
2. Make observations, develop, and test hypothesis regarding regional plant and animal communities. (MnTC G3, comp b, c; MnTC G10 comp b; ELO 1, 2)
3. Understand and articulate the natural history, conservation and environmental laws, policies, and philosophies of the study region. MnTC G3, comp d; MnTC G10, comp a; ELO 1, 2, 3)
4. Understand and articulate the decisions made by nations or regions in the context of competing ecological, economic, and sociopolitical demands. (MnTC G10, comp c, d, e; ELO 1, 2, 3)

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

Goal 03 - Natural Science

1. Demonstrate understanding of scientific theories.

Goal 10 - People/Environment

1. Explain the basic structure and function of various natural ecosystems and of human adaptive strategies within those systems.

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.

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.

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

1. Knowledge of Human Cultures and the Physical and Natural World - Through study in the sciences, mathematics, social sciences, humanities, histories, languages, the arts, technology and professions.

2. Intellectual and Practical Skills-Including: Inquiry and analysis; Critical and creative thinking; Written and oral communication; Quantitative literacy; Information literacy; Teamwork and problem solving.

3. Personal and Social Responsibility and Engagement - Including: Civic knowledge and involvement¿campus, local and global; Intercultural knowledge and competence; Ethical reasoning and action; Foundations and skills for lifelong learning.