

Inver Hills Community College

BIOL 1002: Humans in the Ecosystem: Special Ecosystems

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 1

Lab Hours/Week: 1

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: Goal 10 - People/Environment

Introduces students to the interaction of humans and their environment through service learning and active participation in field projects. Students will participate as hands-on volunteers in selected regions, while also investigating the unique natural history of that region. Students will travel to the site, work in partnership with local agencies in various capacities, and engage in field work. This will be supplemented with classroom teaching before, during, and after the event. Prereq: Instructor permission required.

B. COURSE EFFECTIVE DATES: 05/31/2011 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Concepts of regional ecology: 20%
2. History of recent ecosystem changes: 5%
3. Service & experiential learning participation: 60%
4. Terminology and vocabulary for ecology: 5%
5. Trip orientation (including safety, cultural awareness, team building): 10%

D. LEARNING OUTCOMES (General)

1. Participate in locally-defined service learning projects
2. Describe the key biotic and abiotic factors that define the specific ecosystem
3. Critically analyze the effects of human activity on the specific environment
4. Understand and use appropriate technical terminology

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

Goal 10 - People/Environment

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

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted