

Minnesota State University Moorhead

BIOL 328: Lake Superior Ecology

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This three credit summer travel course along the north shore of Lake Superior allows students to relate events of the creation and succession of natural resources; human use and exploitation of these resources; and attempts to preserve them. Lectures include the ecology of the boreal forest and effects of logging; fish diversity and the rise and fall of the fisheries industry, including the calamity of sea lamprey invasion (and other exotic species); and the rise and fall of the iron ore industry and its effect on the environment. Students will study the predator/prey interaction of the moose-wolf population of Isle Royale. The travel portion of the course includes tent camping in state parks to study the driving forces behind park development, including the history of people involved in conservation. As we travel north and across the US/Canadian border, we will visit industries including fisheries, forestry, iron ore mines, taconite mines, amethyst mines and tourism industry, observing their effects on both the environment and people. The concept of local and global sustainability will be a pervasive theme throughout the course. MnTC Goal 10.

B. COURSE EFFECTIVE DATES: 03/03/2014 - 12/18/2020

C. OUTLINE OF MAJOR CONTENT AREAS

None

D. LEARNING OUTCOMES (General)

None

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted