A. Course Description

Credits: 3

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

This course examines current and classic research central to the assessment, monitoring, maintenance, and management of aquatic and terrestrial ecosystems, with applications to environmental and human health. Students learn the current state of scientific knowledge, and build their skills in scientific communication through reading and discussion of the scientific literature.

B. Course Effective Dates: 05/03/2017 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Understand and apply core theories in ecology and evolutionary biology
2. Read and interpret primary scientific literature
3. Synthesize and explain results and conclusions of published scientific research
4. Apply theory from ecological and evolutionary science to understanding of environmental issues.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Prerequisites: Admission to the MS Biology graduate program Note: Graduate status required or Natural Science Department approval.