

Bemidji State University

BIOL 3840: Wetlands Ecology

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Survey course develops a basic understanding of the terminology, classification, ecology, values, and conservation of wetlands. Covers wetland systems from around the world, with emphasis on wetlands in North America. Prerequisites: BIOL 1400 and BIOL 1500, or consent of instructor.

B. COURSE EFFECTIVE DATES: 07/23/2004 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Biogeochemistry
2. Biological Adaptations
3. Climate Change & Wetlands
4. Freshwater Swamps
5. Hydrology
6. Inland Freshwater Marshes
7. Minnesota's Isolated Forest Wetlands
8. Peatlands
9. Tidal Marshes
10. Tidal Wetlands
11. Treatment Wetlands
12. Trends in Wetland Loss
13. Wetland Creation & Management
14. Wetland Distribution
15. Wetland Protection
16. Wetland Structure/Ecosystem Development
17. Wetland Types
18. Wetland Values

D. LEARNING OUTCOMES (General)

1. know the basic terminology, forms of classification, ecology, chemistry and conversational value of diverse wetland types.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted