

# Bemidji State University

## BIOL 4030: Wetland Delineation and Classification

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This training course for the identification, delineation, and classification of wetlands covers the major types of wetlands and their general delineation procedures. Hydrological, soil, and vegetation characteristics will be used to identify and map wetland boundaries. Focuses on current regulations as established by the US Army Corps of Engineers' 1987 Wetland Delineation Manual with additional regulations specific for the state of Minnesota. Satisfies the requirements for basic delineation training as specified by the Corps of Engineers and certification programs in many states. Prerequisites: BIOL 1211, 1212, or consent of instructor.

**B. COURSE EFFECTIVE DATES:** 01/08/2009 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Introduction
2. Hydrology
3. Soils
4. Vegetation
5. Problem wetlands
6. Wetland Classification
7. Regulations: Federal and state (MN)
8. Mapping and photo interpretation
9. Field-based delineation procedures

### D. LEARNING OUTCOMES (General)

1. be able to identify major wetland types and their boundaries based on hydrology, soil and/or vegetation assessment.
2. become familiar with current Federal and MN State regulations concerning wetland identification and delineation.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted