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 1211 and 1212.

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