

## WETLAND ECOLOGY

SPRING 2005

Course objective: Describe wetlands and wetland processes from an ecological perspective, focusing on the functional roles of plants and animals.

Tuesdays 11:00 – 1:30, Rm 426 Biological Sciences Building

Instructor contact info:

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Library reserve: Mitsch, W. J. and J. G. Gosselink. 2000. Wetlands. 3rd Ed. Wiley.

Class format: For most class sessions, the first 90 minutes will be dedicated to presentation of general principles, and the last hour to discussion of research articles.

<u>Schedule</u>		<u>Lead instructor</u>
Jan. 11	Introduction, Wetland geomorphology	Sharitz, Batzer
Jan 18	Principles of wetland hydrology	Jackson
Jan. 25	Microbial ecology and biogeochemical cycles	Batzer
Feb. 1	Flooding adaptations of plants and animals	Sharitz Batzer
Feb. 8	Plant ecology	Sharitz
Feb. 15	Plant ecology	Sharitz
Feb. 22	Animal ecology	Batzer
March 1	Animal ecology, Exam 1	Batzer
March 8	Ecosystem ecology	Batzer
March 15	Spring break	
March 22	Wetland restoration and creation	Sharitz
March 29	Legal definitions and regulation	Kalla
April 5	Delineation, assessment, and mitigation	Kalla
April 12	Student Forum (see below)	Batzer
April 19	Flood pulse concept: theory and application	Batzer

