

APPLIED WETLANDS ECOLOGY AND MANAGEMENT

FALL 2013

Course Number: WMAN 547; CE 547; PLSC 547

Instructors: Dr. James T. Anderson: 312A Percival; 293-3825; wetland@wvu.edu
Dr. Leslie Hopkinson: 649 Eng. Sci. 293-9932; Leslie.Hopkinson@mail.wvu.edu
Dr. James A. Thompson: 1108 Ag. Sci.; 293-2921; James.Thompson@mail.wvu.edu

Meeting Place and Time: 308 Percival Hall
Lecture: 9:30 – 10:45 a.m. T, TH; Labs: See Schedule.

Text: None; readings will be handed out in class or otherwise assigned.

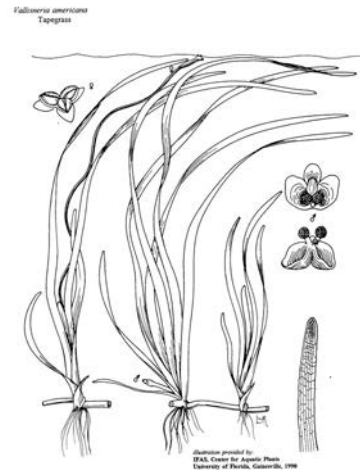
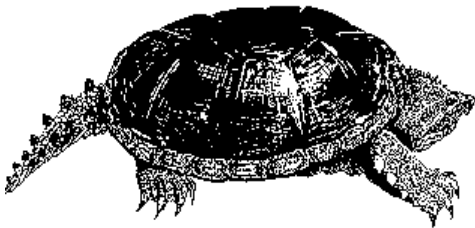
Course

Overview: Wetlands are some of the most imperiled but ecologically important systems in the world. Because wetlands ecology is a complex topic that covers many disciplines, this course is being taught as an interdisciplinary class. We will study the 3 primary factors that define a wetland (vegetation, hydrology, and soils) and discuss wetlands ecology, wetland wildlife management, and wetland laws and regulations.

Course

Objectives:

- (1) To gain an understanding of basic wetland ecology.
- (2) To enhance your understanding of wetland and wetland wildlife management practices.
- (3) To provide you with a background in wetland delineation, mitigation, and restoration.



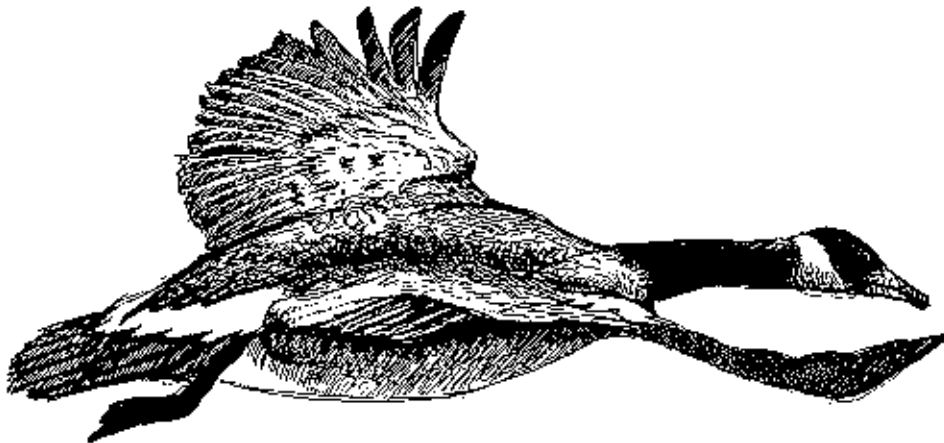
Grading: Grades will be based on 3 lecture exams.

Exams: Three non-comprehensive exams are scheduled. Each exam is worth 100 points. Please see Dr. Anderson if you will be unable to take an exam at the normally scheduled time. **Total Points = 300**

Field Trips: You must attend field trips to pass this class. In the event you cannot attend field trips, you must write additional reports. All transportation and lodging is provided. Students are responsible for their own food. See Dr. Anderson for details.

Grading: Grades are based on the percentage of total points earned.

Letter Grade	Percent		
A	≥90	D	60-69
B	80-89	F	≤59
C	70-79		



Academic dishonesty (i.e., cheating on exams, plagiarism) will not be tolerated. Please see the Student Handbook for more information.

Tentative Itinerary*

<u>Date</u>	<u>Subject</u>
Aug 20	Introduction to Applied Wetlands Ecology and Management (JTA)
Aug 22	Wetland Status and Trends/Wetland Values and Functions (JTA)
Aug 23	Wetland Diversity Field Trip—1:00 pm to 7:00 pm (JTA)
Aug 27	Wetland Classification Systems (JTA)
Aug 27	Wetland Mitigation Field Trip —1:00 pm to 7:00 pm (JTA)
Aug 29	Wetland Delineation (JTA)
Sep 3	Wetland Vegetation (JTA)
Sep 5	Wetland Vegetation (JTA)
Sep 5	Wetland Delineation Field Trip —1:00 pm to 7:00 pm (JTA)
Sept. 10	Exam 1 (JTA)
Sep 12	Wetland Soils (JAT)
Sep 17	Wetland Soils (JAT)
Sep 19	Wetland Soils (JAT)
Sep 24	Wetland Soils (JAT)
Sep 26	Wetland Hydrology (LH)
Oct 1	Wetland Hydrology (LH)
Oct 3	Wetland Hydrology (LH)
Oct 8	Wetland Hydrology (LH)
Oct 10	Exam 2 (JAT, LH)
Oct 15	Fall Recess Break--No class

Oct 17	Wetland Design, Construction, Monitoring (JTA)
Oct 22	Wetland Laws and Policies (JTA)
Oct 24	Wetland Management for Wildlife (JTA)
Oct 25	Wetland Assessment/Delineation Field Trip —1:00 pm to 5:00 pm (JTA)
Oct 29	Wetlands for Wastewater Treatment (JTA)—Lance Lin
Oct 31	Wetland Rapid Functional Assessments and IBIs (JTA)
Nov 5	Wetlands in Turkey (JTA)
Nov 7	Global Climate Change and Wetlands (JTA)
Nov 12	Exam 3 (JTA)
Nov 14	NO CLASS
Nov 19	NO CLASS
Nov 21	NO CLASS
Nov 26	Thanksgiving Recess NO CLASS
Nov 28	Thanksgiving Recess NO CLASS
Dec 3	NO CLASS
Dec 5	NO CLASS
Dec 10	NO CLASS

*All times, topics, and subjects are subject to change.

