WLDL/WATR 360/560: Wetlands Ecology and Management
Spring Semester 2021
SYLLABUS

Course Information:

Lecture Delivery: Online and Asynchronous

Lectures for this class have been designed to be fully online and asynchronous. This means that we will not meet at a specified time and all the lecture material will recorded and available for you to watch at your own speed. I will provide placeholders in the syllabus schedule to give you an idea of when you should be watching specific lecture material if you would like to space the content out evenly between exams.

Credits: 3
Prerequisite: NRES 250, 251

Instructor Information:

Dr. Kyle Herrman
Email: Kyle.Herrman@uwsp.edu (*preferred contact method*)
Office: 263 Trainer Natural Resources Building
Office Phone: 715-346-4832

Office Hours:

Time: Thursday 10:00 am

I will send out a recurring Zoom meeting for 10am on Thursday. This is not a mandatory meeting and you only have to attend if you have questions. By 10:15am, if no one has joined I will leave the meeting. If this time does not work for you, then please send me an email and we can arrange a different time for a Zoom meeting.

Course Objective:

The objective of this class is to expose students to the basic principles of wetland ecology. This will be accomplished using direct instruction methods (i.e., PowerPoint lectures) but also guest lectures. After completing this course a student will understand how a wetland properly functions and be able to value the services these unique ecosystems provide. We will cover a variety of topics ranging from soils to hydrology to plant biology to wildlife habitat so it is vital that students stay up to date on reading and seek help if they are unsure of course material. DO NOT wait until the last minute to get help because all of the material we will cover throughout the semester is comprehensive.

Learner Objectives:

- Identify how a proper wetland functions
- Describe the importance of hydrology in wetland ecosystems
- Implement the basic procedures of the Army Corps of Engineers wetland delineation method
- Describe the unique habitat wetlands provide and identify specific threats wetlands face

Required text:

WJ Mitsch and JG Gosselink. 2007. Wetlands (3rd Edition). John Wiley and Sons, Inc. New Jersey.

Grades:

Scale:

A	93-100	C	73-76
A-	90-92	C-	70-72
B+	87-89	D+	67-69
B	83-86	D	63-66
B-	80-82	D-	60-62
C+	77-79	F	<60

Assignments:

			Percent of Total Grade	
	Points	Total	Undergrad	Grad
Exams (4)	25	100	100%	67%
Paper (grad students only)	50	50		33%

Exams:

Four exams will be given in class and consist of multiple choice questions. Because of the nature of wetlands ecology, all material covered in the exams will be comprehensive. The exams will be online and it is difficult to use proctors; thus, I will allow the exams to be open notes. To account for this, the exams will be timed and you will be given 60 minutes to complete the exam. Students registered with DATC must have the paperwork sent to me so can make the necessary arrangements for exams.

Late Policy:

Exam times are set in the syllabus and I expect you to be available to complete the exams during the specified window. Because this class is asynchronous and online we do not have a set meeting time. Therefore, I had to choose dates and times for the exams. If you are unable to make the pre-determined window work for an exam you MUST contact me prior to the exam. If you do not have a medical explanation for missing the exam, you will be able to take a makeup exam. However, for every day you are late to complete the exam one letter grade will be deducted from your score.

Paper (graduate students only):

The paper will be a 20-page (1.5 line spacing and the page requirement includes figures and tables) literature review on an issue facing wetland ecosystems. In your paper you need to introduce the issue you are describing and provide specific examples of how this will affect wetlands. You will be required to provide 10 citations for this paper. Examples of acceptable citations are textbooks and articles found in peer reviewed journals - online sources are not allowed. Examples for the paper are climate change, invasive species, eutrophication, etc. Prior to Spring Break, you must reach out to me and inform of your topic. At this point, I will provide any further details needed to complete the paper. The due date for the paper is the last Friday of scheduled class by 5pm.

Inform Your Instructor of Any Accommodations Needed:

If you have a documented disability and verification from the Disability and Assistive Technology Center and wish to discuss academic accommodations, please contact your instructor as soon as possible. It is the student's responsibility to provide documentation of their disability to Disability Services and meet with a Disability Services counselor to request special accommodation before classes start.

The Disability and Assistive Technology Center is located in 609 Albertson Hall and can be contacted by phone at (715) 346-3365 (Voice) (715) 346-3362 (TDD only) or via email at datctr@uwsp.edumailto:datctr@uwsp.edu

Statement of Policy

UW-Stevens Point will modify academic program requirements as necessary to ensure that they do not discriminate against qualified applicants or students with disabilities. The modifications should not affect the substance of educational programs or compromise academic standards; nor should they intrude upon academic freedom. Examinations or other procedures used for evaluating students' academic achievements may be adapted. The results of such evaluation must demonstrate the student's achievement in the academic activity, rather than describe his/her disability.

If modifications are required due to a disability, please inform the instructor and contact the Disability and Assistive Technology Center in 609 ALB, or (715) 346-3365.

Commitment to Integrity:

As a student in this course (and at this university) you are expected to maintain high degrees of professionalism, commitment to active learning and participation in this class and also integrity in your behavior in and out of the classroom.

UWSP Academic Honesty Policy & Procedures:

Student Academic Disciplinary Procedures

UWSP 14.01 Statement of principles

The board of regents, administrators, faculty, academic staff and students of the university of Wisconsin system believe that academic honesty and integrity are fundamental to the mission of higher education and of the university of Wisconsin

system. The university has a responsibility to promote academic honesty and integrity and to develop procedures to deal effectively with instances of academic dishonesty. Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others' academic endeavors. Students who violate these standards must be confronted and must accept the consequences of their actions.

UWSP 14.03 Academic misconduct subject to disciplinary action.
(1) Academic misconduct is an act in which a student:
(a) Seeks to claim credit for the work or efforts of another without authorization or citation;
(b) Uses unauthorized materials or fabricated data in any academic exercise;
(c) Forges or falsifies academic documents or records;
(d) Intentionally impedes or damages the academic work of others;
(e) Engages in conduct aimed at making false representation of a student's academic performance; or
(f) Assists other students in any of these acts.

(2) Examples of academic misconduct include, but are not limited to: cheating on an examination; collaborating with others in work to be presented, contrary to the stated rules of the course; submitting a paper or assignment as one's own work when a part or all of the paper or assignment is the work of another; submitting a paper or assignment that contains ideas or research of others without appropriately identifying the sources of those ideas; stealing examinations or course materials; submitting, if contrary to the rules of a course, work previously presented in another course; tampering with the laboratory experiment or computer program of another student; knowingly and intentionally assisting another student in any of the above, including assistance in an arrangement whereby any work, classroom performance, examination or other activity is submitted or performed by a person other than the student under whose name the work is submitted or performed.

Unauthorized sharing of course materials:

Lecture materials, recordings, and lab manuals for this course are protected intellectual property at UW-Stevens Point. Students in this course may use the materials and recordings for their personal use related to participation in this class. Students may also take notes solely for their personal use. If a lecture is not already recorded, you are not authorized to record my lectures without my permission unless you are considered by the university to be a qualified student with a disability requiring accommodation. [Regent Policy Document 4-1] Students may not copy or share lecture materials and recordings outside of class, including posting on internet sites or selling to commercial entities. Students are also prohibited from providing or selling their personal notes to anyone else or being paid for taking notes by any person or commercial firm without the instructor's express written permission. Unauthorized use of these copyrighted lecture materials and recordings constitutes copyright infringement and may be addressed under the university's policies, UWS Chapters 14 and 17, governing student academic and non-academic misconduct.

Tentative Schedule (subject to change):

Lecture	Date	Topic	Reading
1	Jan 26	Wetland valuation	Pg 571-604; Costanza et al. 1997
2	Jan 28	Wetland history	Ch 1
3	Feb 2	Classification and types	Ch 4; Pg 725-746
	Feb 4		
4	Feb 9	Wetland formation	Ch 8; Mitsch et al. 2005
5	Feb 11	Hydrology	Ch 5
	Feb 16		
	Feb 18	**Exam I from 12:00 pm – 7:00 pm**	
6	Feb 23	Redox reactions	Reading
7	Feb 25	Wetland soils	Pg 155-164
8	Mar 2	Wetland Biogeochemistry	Pg 171-177; 184-187; Jansson et al. 1994
	Mar 4		
	Mar 9		
	Mar 11		
	Mar 16	**Exam II from 12:00 pm – 7:00 pm**	
9	Mar 18	Wetland plants	Pg 205-224
	Mar 23	NO CLASS	
	Mar 25	NO CLASS	
10	Mar 30	Macroinvertebrates	
11	Apr 1	Waterfowl (Sedinger)	
12	Apr 6	Wetland management	Readings
13	Apr 8	Mead Wildlife Area (Eyers)	
14	Apr 13	Herpetofauna ecology	
	Apr 15	**Exam III from 12:00 pm – 7:00 pm**	
15	Apr 20	Treatment wetlands	Ch 20
16	Apr 22	Wetland restoration (Gumtow)	
17	Apr 27	Wetlands in the Mississippi River Basin	Mitsch et al. 2001
18	Apr 29	Wetland delineation	Readings
	May 4		
	May 6	Everglades video	
	May 11		
19	May 13	Wetland laws and mitigation	Ch 18
Finals Week **Exam IV: Tuesday May 18 from 12:00 pm – 7:00 pm**			