

NRES 151 Lab (Sec. 1) - Ecological Basis for Natural Resource Management

Spring 2021

Important Note: This syllabus, along with course assignments and due dates, are subject to change. It is the student's responsibility to check Canvas for corrections or updates to the syllabus. Any changes will be clearly noted in a course announcement or through email.

Instructor: Matthew Hanneman

Email: mhannema@uwsp.edu

Office hours: by appointment via Zoom

<https://uwsp.zoom.us/j/2476198882>

Objectives:

To gain knowledge and experience with techniques and methods used by natural resource professionals including: the scientific process, field techniques, data collection, analysis, scientific writing, computer use, library resources, and working in teams.

To understand and convey ecological concepts including: species, competition, community structure, biotic diversity, succession, population growth, foraging and keystone species.

Course Structure: This course will be delivered entirely online via Canvas. All materials, recorded lectures, assignments, quizzes, and exams will be posted on Canvas.

Grading:

LECTURE (60%)

LAB (40%)

Assignments:

- Weekly Quiz
- Library Resources Exercise – **DUE FEB. 19th**
- Plant Competition Lab Report
 - **ROUGH DRAFT DUE APR. 2nd**
 - **FINAL DRAFT DUE APR. 23rd**
- Final Lab Exam – **MAY 10th – 14th**

All assignments for this course will be submitted electronically through Canvas unless otherwise instructed. Assignments must be submitted by the given deadline or special permission must be requested from the instructor before the due date. Extensions will not be given except under extreme circumstances.

Attendance: As with any lab course, attendance is critical for understanding, as well as receiving a passing grade. Since this is an asynchronous online course we will not be meeting on a weekly basis. I will post quizzes on the materials each week to test your understanding of the information. These quizzes will be graded and will be my way of verifying your attendance each week.

Preparation and participation: Since this lab will be taught asynchronously online, it is your responsibility to read over all materials, watch all recorded lectures, take the weekly quizzes, and participate in all assignments to receive a passing grade. Simply put, the amount of knowledge you get out of this class will rely on the amount of effort you put in.

Lab Report: For your lab report this semester you will need to upload a rough draft and a final draft of your report to Canvas to be scanned for plagiarism. Your report will not be considered and you will not receive a grade, unless your report is submitted by the due date and time.

Handling of Online Materials: All materials for this course are protected intellectual property of UW-Stevens Point. Students may only use these materials for their personal use as it relates to this course. Students may not copy or share any of these materials outside of this course.

Late Work Policy: All assignments for this course will be submitted electronically through Canvas unless otherwise instructed. Be sure to pay close attention to deadlines. Assignments must be submitted by the given deadline or special permission must be requested from the instructor **before the due date**. Extensions will not be given except under extreme circumstances. There will be no make-up exams or late work accepted without a serious and compelling reason and instructor approval.

Face Coverings: At all UW-Stevens Point campus locations, the wearing of face coverings is mandatory in all buildings, including classrooms, laboratories, studios, and other instructional spaces. Any student with a condition that impacts their use of a face covering should contact the Disability and Assistive Technology Center to discuss accommodations in classes. Please note that unless everyone is wearing a face covering, in-person classes cannot take place. This is university policy and not up to the discretion of individual instructors. Failure to adhere to this requirement could result in formal withdrawal from the course.

Other Guidance:

- Please monitor your own health each day using this screening tool. If you are not feeling well or believe you have been exposed to COVID-19, do not come to class; email your instructor and contact Student Health Service (715-346-4646).
- As with any type of absence, students are expected to communicate their need to be absent and complete the course requirements as outlined in the syllabus. •Maintain a minimum of 6 feet of physical distance from others whenever possible.
- Do not congregate in groups before or after class; stagger your arrival and departure from the classroom, lab, or meeting room.
- Wash your hands or use appropriate hand sanitizer regularly and avoid touching your face.
- Please maintain these same healthy practices outside the classroom.

Expected Instructor Response Times: I will attempt to respond to student emails within 1-2 business days. If you have not received a reply from me within 2 business days, then please resend your email. **In general, I do not check emails late at night or on weekends.**

Student Expectations:

In this course you will be expected to complete the following tasks.

- Communicate via email
- Download and upload documents to Canvas
- Read documents online
- View online videos
- Complete quizzes/assignments/exams online

NRES 151 Lab – Tentative Schedule

Spring 2021

Jan 25-29	Introduction to lab and scientific method	Async. Online
Feb 1-5	Begin greenhouse competition study	Async. Online
Feb 8-12	Library exercise	Async. Online
Feb 15-19	Population growth and wolves of Isle Royale Library Assignment Due Feb. 19th 11:59PM	Async. Online
Feb 22-26	Species concept	Async. Online
Mar 1-5	Keystone predator	Async. Online
Mar 8-12	Succession: Intermediate Disturbance Hypothesis	Async. Online
Mar 15-19	Conclude greenhouse experiment. Graphing in EXCEL	Async. Online
Mar 22-26	Spring Break	Spring Break
Mar 29 – Apr 2	Lab Report updates and check-in Lab Report Rough Draft Due Apr. 2nd 11:59PM	Async. Online
Apr 5-9	Soil survey and community structure	Async. Online
Apr 12-16	Sampling vegetation and litter invertebrates	Async. Online
Apr 19-23	Data analysis and interpretation of biotic diversity Lab Report Final Draft Due Apr. 23rd 11:59PM	Async. Online
Apr 26-30	Biotic index for assessing water quality of Plover River	Async. Online
May 3-7	Data analysis and interpretation of aquatic invertebrates	Async. Online
May 10-14	Lab Final Exam Due May 14th 11:59PM	Async. Online

Section	Time	Day	Room	Instructor
1	TBD	TBD	online	Matthew Hanneman
2	TBD	TBD	online	Tj Boettcher
3	9-10:50AM	Thursday	TNR 153/157	Sophie Demchik
4	10-11:50AM	Monday	TNR 153/157	Dr. Diane Lueck
5	10-11:50AM	Wednesday	TNR 153/157	Macayla Greider
6	10-11:50AM	Friday	TNR 153/157	Nathan Kluge
7	1-2:50PM	Monday	TNR 153/157	Dr. James Cook
8	1-2:50PM	Wednesday	TNR 153/157	Macayla Greider
9	2-3:50PM	Tuesday	TNR 153/157	Nathan Kluge