

NRES 151 Lab – Ecological Basis for Natural Resource Management Spring 2023

Important Note: This syllabus represents the general lab schedule and anticipated content sequencing. *These are subject to change as needed.* 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 via email. Extended syllabus version is available on Canvas.

Section: 1 Tuesday 8:00A-9:50A TNR 153

Instructor: Jason Lins

E-mail: Jlins@uwsp.edu

Office Hours: TNR 362A, Monday (3P-4P), Tuesday (10A-11A)

Zoom meetings by appointment

Please email me to setup meetings. I will often be in my office at times other than designated office hours, but times may vary. Email is the best way to assure that I'll be there.

Description: Learn basic principles of ecology and application of those principles to manage a resource.

Critical Thinking Learning Outcomes

This course is designated as a **Critical Thinking Course** in the UWSP General Education Program. Critical Thinking courses should meet the following learning outcomes (CTLTOs):

- 1) Recognize critical thinking as a process of identifying, analyzing, evaluating, and constructing reasoning in deciding what conclusions to draw (argumentation) or actions to take (decision-making and problem-solving).
- 2) Identify, analyze, evaluate, and construct reasoning as it is applied to general or discipline-specific questions or issues.
- 3) Communicate the analysis, evaluation, or construction of reasoning orally, visually, or in writing.

CONDUCT: An environment of respect and cooperation is expected during this lab. Comments, questions, and discussions are encouraged, but disruptive behavior will not be tolerated.

ACADEMIC INTEGRITY: Academic dishonesty in any form will not be tolerated. You will adhere to the Student Academic Standards outlined in Chapter UWS 14 of the Wisconsin Administrative Code (<http://www.uwsp.edu/dos/Documents/CommunityRights.pdf>). Cheating or plagiarism related to any of the course assessments will result in a score of zero for that assessment.

SPECIAL NEEDS: I will be glad to help if you need special accommodations to succeed in this lab. Please see me as soon as possible if you require special accommodations due to physical limitations, a learning disability, or other issues.

FIELD TRIPS: We will go on scheduled Field trips regardless of the weather (except for extreme weather such as lightning), so be sure to dress accordingly.

PROFESSIONALISM: As a student in this class, you represent UWSP and the College of Natural Resources. You are expected to adhere to the CNR Principles of Professionalism (see end of this syllabus).

Electronic Devices: Talk to people around you before class, put your phone away and experience the present. Pay attention to lectures, take good notes and ask questions. Taking notes on tablets and laptops is discouraged as research suggests it harms your course performance and performance of those near you. However, if you must take notes electronically, please sit at the edges or back of the classroom.

Attendance policy: Attendance is expected. To do well in this class, you must attend. There may be points associated with your lab participation. If you must be absent, tell me **before** the absence, unless it is an emergency. I may allow you to make up or nullify any missed quizzes, exams, activities etc., if the absence was excused (e.g., serious illness, death of a family member, hospitalization).

GRADING: Your overall grade for this course will be based on performance in both lecture and lab. Lecture constitutes 60% and lab 40% of your overall NRES 151 grade, respectively.

Tentative Grade Percentage Breakdown*

Critical thinking assignments: ~35%

Labs, quizzes, and participation: ~35%

Results and Discussion Paper: ~15%

Lab Final Exam: ~15%

**I reserve the right to adjust this as I feel necessary*

Late Policy: I will not accept late assignments unless you notify me of a situation ahead of time or after if it was an emergency that could not be addressed prior. You may email me ahead of your scheduled class time to drop off an assignment if you know that you will be missing class (when I will often be collecting assignments from the previous week).

- The **Lab Report** is submitted as a **Word document** (.docx) in Canvas.
- **Content quiz** dates will be scheduled in Canvas and announced during lab.
- The **Lab Final** is taken during your lab time Dec. 15 on paper and in-person.

NRES 151 Lab Instructors Spring 2022:

Section	Time	Day	Room	Instructor
4	10-11:50am	Monday	TNR 153	Shannon Finnerty
7	1-2:50pm	Monday	TNR 153	Jason Lins
1	8-9:50am	Tuesday	TNR 153	Jason Lins
9	2-3:50pm	Tuesday	TNR 153	Dr. Diane Lueck
5	10-11:50am	Wednesday	TNR 153	Sophie Demchik
8	1-2:50pm	Wednesday	TNR 153	Shannon Finnerty
3	9-10:50am	Thursday	TNR 153	Mi Yan
2	8-9:50am	Friday	TNR 153	Jacob Bergstrand
6	10-11:50am	Friday	TNR 153	Jacob Bergstrand

**NRES 151 – Tentative Laboratory Schedule
Spring 2022**

Dates	Topic	Location
Jan 23-27	Introduction to lab (Launch CT 1)	Meet in Lab
Jan. 30-Feb 3	Introduction to Hypotheses and Experimental Design; Begin Competition Study (CT 1 Due; Launch CT 2)	Meet in Lab
Feb. 6-10	Population growth and wolves of Isle Royale. (CT 2 Due; Watch Wolf Video before class)	Meet in Lab
Feb 13-17	Reading a Scientific Paper; Summarizing Sections of a Scientific Paper (Launch CT 3)	Meet in Lab
Feb. 20-24	Library Exercise; Making an argument in a Scientific Introduction (CT 3 Due; Launch Lib)	Meet in Lab
Feb. 27-Mar. 3	Species Concept (Lib Exercise Due: Launch CT 4)	Meet in Lab
Mar. 6-10	Keystone Predator. (CT 4 Due; Launch CT 5a)	Meet in Lab
Mar. 13-17	TBD	TBD
Mar. 20-24	Spring Break	Spring Break
Mar. 27-31	Conclude greenhouse experiment. Graphing in EXCEL. (CT 5a Due; Launch CT 5b)	Meet in Lab
April 3-7	Intermediate Disturbance Hypothesis. CT5b Due	Meet in Lab
April 10-14	Biotic index for assessing water quality of Plover River.	FIELD TRIP: Plover River
April 17-21	Data analysis and interpretation of aquatic invertebrates.	Meet in Lab
April 24-28	Community structure, diversity, vegetation, and litter invertebrates. Final Papers Due.	Meet at Schmeekle Reserve
May 1-5	Processing Invertebrates, Data Analysis, and Interpretation of Biotic Diversity	Meet in Lab
May 8-12	Lab Final.	Meet in Lab

Adherence to the following code of conduct is required of the faculty and staff of the College of Natural Resources and of all students enrolled in the College of Natural Resources courses.

University of Wisconsin Stevens Point College of Natural Resources-Principles of Professionalism

The College of Natural Resources at the University of Wisconsin – Stevens Point prepares students for success as professionals in many fields. As a professional, there are expectations of attainment of several personal characteristics. These include:

Integrity

Integrity refers to adherence to consistent moral and ethical principles. A person with integrity is honest and treats others fairly.

Collegiality

Collegiality is a cooperative relationship. By being collegial you are respecting our shared commitment to student education through cooperative interaction. This applies to all involved in the process: students, staff, faculty, administration and involved community members. You take collective responsibility for the work performed together, helping the group attain its goals.

Civility

Civility refers to politeness and courtesy in your interactions with others. Being civil requires that you consider the thoughts and conclusions of others and engage in thoughtful, constructive discussion to express your own thoughts and opinions.

Inclusivity

Inclusivity requires you to be aware that perspective and culture will control how communication is understood by others. While many values are shared, some are quite different. These differences in values should be both considered and respected.

Timeliness

Timeliness is the habit of performance of tasks and activities, planned in a way that allows you to meet deadlines. This increases workplace efficiency and demonstrates respect for others' time.

Respect for Property

Respect for property is the appreciation of the economic or personal value an item maintains. Maintaining this respect can both reduce costs (increase the operable life of supplies and equipment) as well as demonstrate respect for others' rights.

Communication

Professional norms in communication require that you demonstrate the value of your colleagues, students, professors or others. The use of appropriate tone and vocabulary is expected across all forms of communication, whether that communication takes place face to face, in writing or electronically.

Commitment to Quality

Quality is the ability to meet or exceed expectations. By having a commitment to quality, we intend to provide a learning environment that is conducive to learning. Intrinsic to this commitment to quality is defining expectation (committed to in a syllabus through learning outcomes), implementation (with quality control in place) and assessment (where meeting of learning outcomes is determined).

Commitment to Learning

Learning is a lifelong process. By being committed to learning you are providing a model for all to follow. This model is not only professor to student but involves all combinations of people within our university and broader community.

Care Team: The University of Wisconsin-Stevens Point is committed to the safety and success of all students. The Office of the Dean of Students supports the campus community by reaching out and providing resources in areas where a student may be struggling or experiencing barriers to their success. Faculty and staff are asked to be proactive, supportive, and involved in facilitating the success of our students through early detection, reporting, and intervention. As your instructor, I may contact the Office of the Dean of Students if I sense you need additional support which individually I may not be able to provide. You may also share a concern if you or another member of our campus community needs support, is distressed, or exhibits concerning behavior that is interfering with the academic or personal success or the safety of others, by reporting here:
<https://www.uwsp.edu/dos/Pages/Anonymous-Report.aspx>.

Title IX: UW-Stevens Point is committed to fostering a safe, productive learning environment. Title IX and institutional policy prohibit discrimination based on sex, which includes harassment, domestic and dating violence, sexual assault, and stalking. If you choose to disclose information about having survived sexual violence, including harassment, rape, sexual assault, dating violence, domestic violence, or stalking, and specify that this violence occurred while a student at UWSP, federal and state laws mandate that I, as your instructor, notify the Title IX Coordinator/Office of the Dean of Students. Please see the information on the Dean of Students webpage for information on making confidential reports of misconduct or interpersonal violence, as well as campus and community resources available to students. Dean of Students:

<https://www.uwsp.edu/DOS/sexualassault/Pages/default.aspx> Title IX page: <https://www.uwsp.edu/hr/Pages/Affirmative%20Action/Title-IX.aspx>

Disability and Accommodations: In accordance with federal law and UW System policies, UWSP strives to make all learning experiences as accessible as possible. If you need accommodations for a disability (including mental health, chronic or temporary medical conditions), please visit with the Disability and Assistive Technology Center to determine reasonable accommodations and notify faculty. After notification, please discuss your accommodations with me so that they may be implemented in a timely fashion. DATC contact info: datctr@uwsp.edu; 715/346-3365; 609 Albertson Hall, 900 Reserve Street

FERPA: The Family Educational Rights and Privacy Act (FERPA) provides students with a right to protect, review, and correct their student records. Staff of the university with a clear educational need to know may also have access to certain student records. Exceptions to the law include parental notification in cases of alcohol or drug use, and in case of a health or safety concern. FERPA also permits a school to disclose personally identifiable information from a student's education records, without consent, to another school in which the student seeks or intends to enroll.

Academic Integrity: Academic Integrity is an expectation of each UW-Stevens Point student. Campus community members are responsible for fostering and upholding an environment in which student learning is fair, just, and honest. Through your studies as a student, it is essential to exhibit the highest level of personal honesty and respect for the intellectual property of others. Academic misconduct is unacceptable. It compromises and disrespects the integrity of our university and those who study here. To maintain academic integrity, a student must only claim work which is the authentic work solely of their own, providing correct citations and credit to others as needed. Cheating, fabrication, plagiarism, unauthorized collaboration, and/or helping others commit these acts are examples of academic misconduct, which can result in disciplinary action. Failure to understand what constitutes academic misconduct does not exempt responsibility from engaging in it. For more information on UWS chapter 14 visit: <https://www.uwsp.edu/dos/Pages/Student-Conduct.aspx>

Reporting Incidents of Bias/Hate: It is my intent that students from all diverse backgrounds and perspectives be well-served by this course, that students' learning needs be addressed both in and out of class, and that the diversity that the students bring to this class be viewed as a resource, strength and benefit. It is my intent to present materials and activities that are respectful of diversity: gender identity, sexuality, disability, age, socioeconomic status, ethnicity, race, nationality, religion, and culture. Your suggestions are encouraged and appreciated. Please let me know ways to improve the effectiveness of the course for you personally, or for other students or student groups. If you have experienced a bias incident (an act of conduct, speech, or expression to which a bias motive is evident as a contributing factor regardless of whether the act is criminal) at UWSP, you have the right to report it: <https://www.uwsp.edu/dos/Pages/Anonymous-Report.aspx>. You may also contact the Office of the Dean of Students directly at dos@uwsp.edu. Diversity and College Access is available for resources and support of all students: <https://www.uwsp.edu/dca>.

Clery Act: The US Department of Education requires universities to disclose and publish campus crime statistics, security information, and fire safety information annually. Statistics for the three previous calendar years and policy statements are released on or before October 1st in our Annual Security Report. Another requirement of the Clery Act is that the campus community must be given timely warnings of ongoing safety threats and immediate/emergency notifications. For more information about when and how these notices will be sent out, please see our Jeanne Clery Act page at <https://www.uwsp.edu/dos/clery>.

The Drug Free Schools and Communities Act (DFSCA) requires institutions of higher education to establish policies that address unlawful possession, use, or distribution of alcohol and illicit drugs. The DFSCA also requires the establishment of a drug and alcohol prevention program. The Center for Prevention lists information about alcohol and drugs, their effects, and the legal consequences if found in possession of these substances. Center for Prevention – DFSCA: <https://www.uwsp.edu/dos/aoda-ipv/Pages/dfsca.aspx>

Copyright infringement is the act of exercising, without permission or legal authority, one or more of the exclusive rights granted to the copyright owner under section 106 of the Copyright Act. Each year students violate these laws and campus policies, putting themselves at risk of federal prosecution. For more information about what to expect if you are caught, or to take preventive measures to keep your computing device clean, visit our copyright page at <http://libraryguides.uwsp.edu/copyright>.

Online teaching: Lecture materials and recordings 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.