NRES 151 Lab – Ecological Basis for Natural Resource Management
Fall 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 through email.

Section*:* 8 Tu 2:00PM - 3:50PM TNR 153
7 Wed 1:00PM - 2:50PM TNR 153
9 TH 3:00PM - 4:50PM TNR 153

Instructor: Sophie Demchik
E-mail: sdemchik@uwsp.edu

Office Hours: **Tue 11:00AM-12:00PM, or by appointment**

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. I strive to provide an environment of respect and inclusivity for all.

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 accommodation to succeed in this lab. Please see me as soon as possible if you require special accommodation due to physical limitations, a learning disability, or other issues.

FIELD TRIPS: Field trips will go regardless of the weather (except for extreme weather, such as wind or tornado warnings), 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). Failure to adhere to this code will result in the loss of part or all your professionalism points. Students who do not follow University policy in this lab will lose their professionalism points.

GRADING: Your overall grade for this course will be based on performance in both lecture and lab. Out of a total of 100 points for the course, 60 points are available in lecture and 40 points are available in lab.

The **Lab Report** is submitted as a ***Word document*** (.docx) in Canvas.

Content quiz dates are given at the end of this syllabus.

The **Lab Final** is taken during your lab time the week before finals week.

Lab Points Breakdown:

CT#1-3 Quizzes	5 points
CT#4 Quiz Evaluating Reasoning	2.5 points
CT#5a Quiz Introduction Sentence Organization	2.5 points
CT#5b Quiz Methods Section	2.5 points
Library Assignment	2.5 points
Content Quiz	5 points
Final Lab Report with Discussion	7 points
Professionalism	3 points
Lab Final	10 points
Total Lab Points	40 points

NRES 151 Lab Instructors Fall 2023

Section	Time	Day	Room	Instructor
6	1-2:50PM	Monday	TNR 153	Dr. Jered Studinski
2	9-10:50AM	Tuesday	TNR 153	Jason Lins
5	12-1:50PM	Tuesday	TNR 153	Carey Strobel
8	2-3:50PM	Tuesday	TNR 153	Sophie Demchik
7	1-2:50PM	Wednesday	TNR 153	Sophie Demchik
1	8-9:50AM	Thursday	TNR 153	Jacob Bergstrand
9	3-4:50PM	Thursday	TNR 153	Sophie Demchik
3	9-10:50AM	Friday	TNR 153	Shannon Finnerty
4	11-12:50PM	Friday	TNR 153	Jacob Bergstrand
10	1-2:50PM	Friday	TNR 153	Dr. Michael Tiller

NRES 151 – Tentative Laboratory Schedule
Fall 2023

Dates	Topic	Location
Sept. 5-8	**Do not meet**	
Sept. 11-15	**Introduction to lab (Launch CT 1)**	Meet in Lab
Sept. 18-22	**Introduction to Hypotheses and Experimental Design; Begin Competition Study (CT1 Due; Launch CT 2)**	Meet in Lab
Sept. 25-29	**Community structure, diversity, vegetation, and litter invertebrates. (CT 2 Due)**	Meet at Schmeeckle Reserve (Picnic shelter by Granite Parkway)
Oct. 2 – 6	**Processing Invertebrates, Data Analysis, and Interpretation of Biotic Diversity**	Meet in Lab
Oct. 9-13	**Biotic index for assessing water quality of Plover River.**	FIELD TRIP: Plover River Meet in Lab
Oct. 16-20	**Data analysis and interpretation of aquatic invertebrates. (Launch CT 3)**	Meet in Lab
Oct. 23-27	**Reading a Scientific Paper; Summarizing Sections of a Scientific Paper** **Content Quiz**	Meet in Lab
Oct. 30 – Nov 3	**Library Exercise; Making an argument in a Scientific Introduction (CT 3 Due; Launch Lib)**	Meet in Lab
Nov. 6-10	**Species Concept; Methods Discussion (Lib Exercise Due: Launch CT 4)**	Meet in Lab
Nov. 13-17	**Conclude greenhouse experiment. Graphing in EXCEL. (CT 4 Due; Launch CT 5a & b)**	Meet in Lab
Nov. 20-24	**NO LAB-THANKSGIVING**	
Nov. 27 – Dec 1	**Population growth and wolves of Isle Royale. (CT 5 a & b Due; Watch Wolf Video before coming to class)**	Meet in Lab
Dec. 4-8	**Keystone Predator. Final Papers Due.**	Meet in Lab
Dec. 11 -Dec. 15	**Lab Final.**	Meet in Lab

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 (CTLOs):

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.

NRES 151 Course Learning Outcomes

The learning outcomes specific to NRES 151 are as follows:

1) Develop fundamental knowledge of the basic principles of ecology.
   Assignments and assessments: Lecture readings, lab exercises, lecture and lab exams.
2) 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).
   Assignments and assessments: Lab/Lecture discussions and online tutorial quizzes [aligns with CTLO 1]
3) Use observations, experimentation, and simulation to gain knowledge of the natural world and management outcomes.
   Assignments and assessments: Field trips, weekly lab activities, computer lab simulations, and a semester-long experiment in ecological competition.
4) Identify, analyze, evaluate, and construct reasoning regarding the application of basic ecological principles to natural resource management.
   Assignments and assessments: Lab discussions, Library Resource, Assignment, various lab assignments [aligns with CTLO 2]
5) Communicate the analysis, evaluation, or construction of scientific reasoning in writing.
   Assignments and assessments: Lab discussions, Scientific Paper Assignment [aligns with CTLO 3].

The lab experience and assignments are critical to the overall learning outcomes of the course as well as to the alignment of this class with the learning outcomes of the Critical Thinking designation within the General Education Program.
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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.