

NRES 151 Lab Syllabus – Ecological Basis for Natural Resources Management
Fall 2020 | L4 & L8 | Online only

Instructor: Sabine Berzins
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Office hours: By appointment over Zoom

Goal: To reinforce concepts introduced in lecture through hands-on experience with measurement and data collection, preparation of technical reports, use of library resources, use of computer models, and development of critical thinking skills.

At the end of this lab course, you should be able to:

1. Take measurements and collect data; read and discuss primary literature.
2. Write scientific reports.
3. Use library resources that pertain to your field.
4. Use and understand computer models.
5. Think critically.

Lab structure: Due to the Covid-19 pandemic, this lab is taking place 100% online. Our 'virtual classroom' will be on Canvas. I will post lab materials for the week to Canvas on Monday morning. Typically, there will be a short video lecture, reading from your lab manual, and an activity for you to work through. You will have the week to work through these materials in your own time; we will not be having 'live' video calls. There will be a short assignment to turn in every week to help you stay on track and engage with the material a little more. *That said, I will not close out any assignments on Canvas— with the exception of quizzes and exams, I will accept any late assignments up until the week of lab final exam.* It is your responsibility to keep up with the material, and to ask questions if you need help. Online learning is likely new to many of us. If you have any questions throughout the semester, please do not hesitate to reach out.

Communication: I am not planning to be on campus in person, so if you need to get in touch with me, it will have to be electronically. You can reach me by email, or message me in Canvas. If you would like to talk 'face to face', email me and we can schedule a Zoom meeting. I will plan to have drop-in office hours via Zoom a couple of times throughout the semester as well.

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 (<https://www.uwsp.edu/dos/Documents/UWSP14-Final2019.pdf>). Cheating or plagiarism related to any of the course assessments will result in a score of zero for that assessment.

Grading: Your overall grade for NRES 151 will be based on performance in both lecture and lab. Out of a total of 100 percentage points for the course, 60% of points are available in lecture and 40% of points are available in lab. *It is not possible to succeed in NRES 151 without showing up (virtually) to lab!*

Assignment	Percent of lab grade
Quizzes (2)	5%
Library assignment	5%
Weekly assignments	5%
Lab report	10%
Lab final exam	15%
<i>Total</i>	<i>40%</i>

NRES 151 Lab Sections 4 and 8 – Laboratory Schedule | Fall 2020

See Canvas for all assignments and due dates

This schedule is subject to change. The most recent version will be posted on Canvas.

Week	Dates	Topic
Week 1	Sept. 2-4	Introduction to lab
Week 2	Sept. 8-11	Introduce plant competition study
Week 3	Sept. 14-18	Community structure and soil survey Sampling vegetation and litter invertebrates
Week 4	Sept. 21-25	Data analysis and interpretation of biotic diversity
Week 5	Sept. 28 -Oct. 2	Succession: Intermediate Disturbance Hypothesis
Week 6	Oct. 5-9	TBD
Week 7	Oct. 12-16	Data analysis and interpretation of aquatic invertebrates
Week 8	Oct. 19-23	Library exercise
Week 9	Oct. 26-30	Population growth and wolves of Isle Royale Library exercise due
Week 10	Nov. 2-6	Conclude plant competition experiment. Graphing in EXCEL.
Week 11	Nov. 9-13	Species concept First draft of lab report due (optional but recommended)
Week 12	Nov. 16-20	Foraging behavior Final copy of lab report due by 11:59p on 11/20/20
Week 13	Nov. 23-27	NO LAB—THANKSGIVING
Week 14	Nov. 30 -Dec. 4	Keystone Predator
Week 15	Dec. 7-11	Lab Final Exam due by 11:59p on 12/11/20

Lab section	Time	Day	Room	Instructor
1	8-9:50AM	Thursday	TNR 153/157	TBD
2	9-10:50AM	Tuesday	TNR 153/157	Sophie Demchik
3	9-10:50AM	Friday	TNR 153/157	TBD
4	TBD	TBD	online	Sabine Berzins
5	12-1:50PM	Tuesday	TNR 153/157	William Konieczki
6	1-2:50PM	Monday	TNR 153/157	Dr. Jered Studinski
7	TBD	TBD	online	Matthew Hanneman
8	TBD	TBD	online	Sabine Berzins
9	3-4:50PM	Thursday	TNR 153/157	Sophie Demchik

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