

**WILDLIFE 451/651
MANAGEMENT OF WILDLIFE HABITAT
SPRING SEMESTER 2023, 4 CREDITS**

Contact Info

Instructor: Dr. Marie Perkins (she/her)
Office Hours: By appointment
In-person: TNR 344 OR
Zoom: join URL <https://uwsp.zoom.us/j/5266245041>
Email: mperkins@uwsp.edu
Lecture: TNR 320; Tuesday and Thursday 11:00 - 12:15
Lab: TNR 356 Monday 9:00 - 10:50 or CPS 107 2:00 - 3:50

Course Goal: This course will introduce students to the fundamental principles of wildlife habitat management. Broadly, this will include topics related to land cover types that provide habitat for species of North American wildlife, concepts and challenges of managing habitat management, manipulation techniques, monitoring, and quantification of habitat selection metrics. Ultimately, students in this course will be expected to integrate these topics in the form of a written wildlife habitat management plan.

Learning Objectives:

1. Identify structural characteristics and ecological functioning of common North American land cover types.
2. Assess the application and effects of specific habitat management techniques.
3. Critically evaluate and apply peer-reviewed ecological literature relevant to managing habitat for wildlife species.
4. Develop specified management objectives and design appropriate management plans for 2 wildlife species.
5. Demonstrate effective written and oral communication skills.

Textbooks (open access):

McComb, B. C., B. Zuckerberg, D. G. Vesely, and C. A. Jordan. 2020. Monitoring Animal Populations and Their Habitats: A Practitioner's Guide. Oregon State University, Corvallis, OR. This book can be found as a PDF on the course Canvas page or in a variety of formats at the website: <https://open.umn.edu/opentextbooks/textbooks/957>

Burns, R. M., and B. H. Honkala. 1990. Silvics of North America: 1. Conifers; 2. Hardwoods. Agriculture Handbook 654. U.S. Department of Agriculture, Forest Service, Washington, DC. vol.2, 877 p. https://www.srs.fs.usda.gov/pubs/misc/ag_654/table_of_contents.htm

Course Structure: Both lecture and lab will be conducted in person. Lecture periods will be a combination of formal lectures, activities, and class and small group discussions. Readings and short assignments related to lectures may also be required. The laboratory portion of this course will consist of additional lecture content, writing activities, demonstrations of analytical and GIS approaches, and time for collaborative development of wildlife management plans. Additionally, there will be 2 all-day field trips (see schedule below).

Canvas: Course materials including the textbook, copies of lecture slides, assigned and recommended readings, recorded Zoom lectures (if needed), and other related materials will be posted to Canvas. All assignments will be submitted in Canvas. I will communicate information related to the course using Canvas announcements.

Grades and Assignments:

Lab Participation: Attendance in lab is mandatory and attending and participating in lab will be worth 5 points each week (5 pts x 13 weeks = 65 pts total).

Journal Club: There will be 3 Journal Club assignments during the semester, and each will be graded in 2 parts. For each Journal Club assignment, I will provide 3 peer-reviewed journal articles for you to read. Part 1 of your Journal Club assignments will be to read and take notes on each article and submit your notes on Canvas (10 pts x 3 = 30 pts total). Part 2 of your Journal Club assignments will be to discuss the articles with your Journal Club group **in class** (see schedule below) and submit a follow-up summary on Canvas (10 pts x 3 = 30 pts total). You must participate in the discussion to receive points for this assignment portion – no alternative assignment is available. You will be assigned to groups of 4-5 people for your Journal Club discussions, you can find your Journal Club group members on Canvas.

Exams: Three exams will be given during the semester; each exam will be worth 60 points. These exams will focus on new material, however, many of the concepts in this class build on each other. Understanding of previous topics will be incorporated into the exams.

Management Plan: You will be required to develop a management plan as part of an assigned small group. You will submit multiple draft portions of your management plan, worth a total of 95 points. Your group will give a presentation of your management plan during the final week of class, worth 50 points. The final version of your management plan will be worth 100 points. There will also be a total of 50 points based on peer evaluation of your efforts in developing, writing, and presenting your management plan.

Grading:

| Evaluation: | <u>Points</u> | Grades: | |
|--------------------|---------------|----------------|----|
| | | 93% and above | A |
| Lab Participation | 65 | 90-92% | A- |
| Journal Club | 60 | 87-89% | B+ |
| Exams | 180 | 83-86% | B |
| Management Plan | | 80-82% | B- |
| Drafts | 95 | 77-79% | C+ |
| Presentation | 50 | 73-76% | C |
| Final Plan | 100 | 70-72% | C- |
| Peer Evaluation | 50 | 67-69% | D+ |
| TOTAL | 600 | 64-66% | D |
| | | 62 and below | F |

Academic Dishonesty, Attendance, and Late Work Policy: Trust between students and the instructor is of paramount importance in academic settings. Academic dishonesty will not be tolerated in the classroom (e.g., cheating on exams) or in research efforts (e.g., plagiarism). Academic dishonesty will be punished to the fullest extent that University policy permits.

It is in your best interest to attend the lectures; I highly encourage you to attend lectures and participate in lecture activities and discussions. Attendance in lab is mandatory, I will take attendance during the first few minutes of each lab. Attending and participating in lab will be worth 5 points each week.

Late work will lose 10% for every 24 hours after the designated deadline. If you (or your group) are having a hard time submitting assignments on time, please contact me.

COVID-19 Guidance and Other Precautions:

We will follow university guidance (which includes CDC guidance) regarding COVID-19, monkeypox, and other health-related issues. Please reference the [UWSP's website related to COVID](#). The [CDC website](#) provides guidance on isolation and precautions related to COVID. As needed, we will announce policy changes that affect you in this class. It is expected that everyone will respect the needs and preferences of classmates and instructors.

Other Guidance:

- If you are not feeling well or test positive for 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.
- Wash your hands or use appropriate hand sanitizer regularly and avoid touching your face.
- Please maintain these same healthy practices outside the classroom.

Getting Help: Please do not be shy about asking for help. You are welcome to email me to schedule a time to meet with me in person or via Zoom. If you are having any trouble understanding something in class, do not hesitate to get in touch, as those problems will likely only get worse as the material becomes more complex and builds on itself. You can find important dates, including drop/add dates, in the semester academic calendar linked here <https://www3.uwsp.edu/regrec/Pages/calendars.aspx>. Additionally, the CNR Student Success Center (TNR 122) has professional advisers and peer mentors as an additional resource for students <https://www3.uwsp.edu/cnr/ssc/>.

Inclusivity Statement: It is my intent that students from all diverse backgrounds and perspectives be well-served by this course, that student's learning needs are addressed both in and out of class, and that the diversity all students bring to this class is 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/Bias-Hate-Incident.aspx>). You may also contact the Dean of Students office directly at dos@uwsp.edu.

Equal Access for Students with Disabilities: 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](#) to complete an Accommodations Request form. Phone: 346-3365 or Room 609 Albertson Hall.

Online Materials and Class Recordings:

Lecture materials and recordings for WLDL 451/651 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.

Lecture Schedule: Below is a tentative course schedule that is subject to change*.

| Date | | | Lecture Topic |
|------------------------|--------|----|--|
| January | Tues. | 24 | Course and management plan introduction |
| | Thurs. | 26 | Defining habitat and management |
| | Tues. | 31 | Habitat management planning |
| February | Thurs. | 2 | Wetlands and water management I |
| | Tues | 7 | Wetlands and water management II |
| | Thurs. | 9 | Wetlands and water management III |
| | Tues. | 14 | No Class – Midwest Conference |
| | Thurs. | 16 | No Class - Midwest Conference |
| | Tues. | 21 | Journal Club 1 - Urban |
| | Thurs. | 23 | Exam 1 |
| | Tues. | 28 | Wildlife monitoring |
| March | Thurs. | 2 | Austin Yantes - Guest lecture (attribute monitoring) |
| | Tues. | 7 | Brad Strobel - Guest lecture |
| | Thurs. | 9 | Mark Pfof - Guest lecture (prairie management) |
| | Tues. | 14 | Prescribed fire I |
| | Thurs. | 16 | Prescribed fire II |
| | Tues. | 21 | No Class - Spring Break |
| | Thurs. | 23 | No Class - Spring Break |
| | Tues. | 28 | Agriculture |
| | Thurs. | 30 | Journal Club 2 - Grazing |
| April | Tues. | 4 | Grasslands and Mechanical methods |
| | Thurs. | 6 | TBD |
| | Tues. | 11 | Exam 2 |
| | Thurs. | 13 | TBD (forest) |
| | Tues. | 18 | TBD (forest) |
| | Thurs. | 20 | Journal Club 3 – Corridors and Connectivity |
| | Tues. | 22 | Home range and resource selection |
| | Thurs. | 27 | Policy and programs |
| May | Tues | 2 | Anthropogenic disturbance |
| | Thurs. | 4 | Climate change |
| | Tues | 9 | Presentations |
| | Thurs. | 11 | Presentations |
| Final Exam: TBA | | | |

Lab Schedule: Below is a tentative lab schedule that is subject to change*.

| Date | | Lab Topic |
|----------|----|------------------------------------|
| January | 30 | Writing workshop I |
| February | 6 | Writing workshop II |
| | 13 | No Lab – Midwest Conference |
| | 20 | Group peer review |
| | 27 | GIS/Mapping |
| March | 6 | Work on management plans |
| | 13 | GIS/Mapping |
| | 20 | No Lab – Spring Break |
| | 27 | Work on management plans |
| April | 3 | Peer review |
| | 10 | TBD |
| | 17 | TBD |
| | 24 | TBD |
| May | 1 | TBD |
| | 8 | TBD |

*You can find changes to the lecture and lab schedule in the live shared document; the link can be found below and on Canvas