

## Wildlife 350/550: Wildlife Management Techniques

Spring 2023

Professor: Shelli Dubay (TNR 325)  
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Office hours: Tu, Fri 12:00 – 1:00

Lecture: Tu 2:00-2:50 TNR 320

Lab (see schedule): Wed 12:00-1:50, 2:00-3:50 TNR 354

Textbook: Silvy, N. J., Editor. 2020. The Wildlife Techniques Manual, Vol. 1 and 2. 8<sup>th</sup> edition. The Johns Hopkins University Press, Baltimore, Maryland, USA. Other materials in Canvas.

Course Goal and Description: The overall goal of this course is for you to become familiar with a variety of techniques used by wildlife managers and scientists. Keep in mind that we will be unable to cover the full set of “tools” available in the wildlife management “toolbox.” Rather, our goal is to expose you to the applications, assumptions, and limitations of many common techniques you may encounter as a wildlife professional. During the semester, we will use the lecture and laboratory periods to explore a wide range of field, laboratory, and computer methods. You will be required to conduct an independent research project that will entail a **significant time commitment outside of the classroom.**

Course Objectives: Specifically, the course is designed to provide students opportunities to:

- 1) become familiar with a wide range of techniques and practices employed by wildlife managers and researchers;
- 2) understand the assumptions and limitations behind commonly used management and research techniques;
- 3) gain a better understanding of the scientific method and apply it to a real-world situation by developing and implementing a wildlife research project (such a marketable skill for the future!);
- 4) critically read and understand scientific research papers in journals such as the Journal of Wildlife Management;
- 5) develop scientific writing skills and the ability to orally present research results.

### Grading:

Assignment	Points
Examinations Midterm	100
Final	100
Laboratory Exam	100
Research Project	
Hypotheses	25
Written project proposal	30
Scientific paper presentation	25
Proposal oral presentation	50
Written project paper	100
Project oral presentation	50
Peer Evaluation	50
<b>TOTAL</b>	<b>630</b>

Grade	%
A	92+
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	63-66
D-	60-62
F	≤59

**Canvas:** Materials will accumulate on Canvas, so please check the site often. I will use Canvas announcements and e-mail as the main methods to communicate information about the course.

**Attendance:** Material and lab attendance are your responsibility. Students are responsible for and may be tested on all information presented in lectures, labs, and assigned readings.

**Academic Dishonesty:** 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). Students found cheating will be punished to the fullest extent that University policy permits.

**Recorded lectures and labs:** All materials and recordings for Wildlife 350 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/lab is not already recorded, you are not authorized to record the event 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 also are 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, UWSP Chapters 14 and 17, governing student academic and non-academic misconduct.

**Face covering (if re-instituted):** 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.

### ***Commit to Integrity***

As a student in this course (and at this university) you are expected to maintain high degrees of professionalism, commitment to active learning and participation in this class and also integrity in your behavior in and out of the classroom.

## TENTATIVE LECTURE AND LAB SCHEDULE

DATE	TOPIC	READING	Lab Room
Jan 23	Lect: Intro to course and Ethics Lab: Experimental Design and Statistics	Chapters 1, 2, 27 and Canvas readings	TNR 354
Jan 30	Lect: Communication in Wildlife Science Lab: Research project development	Chapter 29	TNR 354
Feb 6	Lect: Sexing and Aging Birds Lab: Sexing and Aging Birds/Waterfowl ID	Chapter 8	TNR 354
Feb 13	Lect: Sexing and Aging Mammals Lab: Sexing and Aging Mammals – Deer aging	Chapter 8	TNR 354
Feb 20	Lect: Scientific paper presentations Lab: Scientific paper presentations		TNR 354
Feb 27	Lect: Capturing and Marking of Wildlife Lab: Capture and marking	Chapters 3, 10	TNR 354
Mar 6	Lect: Wildlife Health Lab: Necropsy (COOL!)	Chapter 7	TNR 354
Mar 13	Lect: Proposal oral presentations/Discussion Lab: Proposal oral presentations/Discussion		TNR 354
Mar 20	<b>SPRING BREAK</b>		
Mar 27	Lect: Observing Behavior Lab: <b>Lab practical</b>	Chapter 23	TNR 354
Apr 3	Lect: Nutrition and Diet Analysis Lab: Diet analysis – hair identification	Chapter 20	TNR 354
Apr 10	Lect: Reproduction Lab: Nest searching	Chapter 24	Outside, Schmeackle
Apr 17	Lect: Radio-telemetry Lab: Telemetry and veg measurements	Chapters 11 and 19	Outside, Schmeackle
Apr 24	Lect: Resource Selection Lab: Nest data analysis	Chapter 20	TNR 354
May 1	Lect: Project Presentations Lab: Project Presentations		TNR 354
May 8	<b>Finish final papers – due May 10th</b>		
May 16	<b>Final Examination (online)</b>	Tu 8:00 AM to 9:00 PM	Online

### Important Dates:

Hypothesis and Lit. Search	Feb 15 <sup>th</sup>
Written proposals	March 14 <sup>th</sup>
Take Home midterm	March 14 (due 3-28)
Proposal Presentation	March 15 <sup>th</sup> and 16 <sup>th</sup>
Project Presentation	May 2 <sup>nd</sup> and 3 <sup>rd</sup>
Project Paper	May 10 <sup>th</sup>
Final Exam	May 16, 8:00AM – 9:00 PM