

## Wildlife 350/550: Wildlife Management Techniques

Spring 2024

Professor: Carey Strobel (TNR 176)  
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Office hours: Tu 11:00 – 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

## TENTATIVE LECTURE AND LAB SCHEDULE

DATE	TOPIC	READING	Lab Room
Jan 22	Lect: Intro to course and Ethics Lab: Experimental Design and Statistics	Chapters 1, 2 and Canvas readings	TNR 354
Jan 29	Lect: Communication in Wildlife Science Lab: Research project development	Chapter 29	TNR 354
Feb 5	Lect: Sexing and Aging Birds Lab: Sexing and Aging Birds/Waterfowl ID	Chapter 8	TNR 354
Feb 12	Lect: Sexing and Aging Mammals Lab: Sexing and Aging Mammals – Deer aging	Chapter 8	TNR 354
Feb 19	Lect: Scientific paper presentations Lab: Scientific paper presentations		TNR 354
Feb 26	Lect: Capturing and Marking of Wildlife Lab: Capture and marking woodpeckers	Chapters 3, 10	Outside, Schmeeckle
Mar 4	Lect: Wildlife Health Lab: Necropsy (COOL!)	Chapter 7	TNR 354
Mar 11	Lect: Proposal oral presentations/Discussions Lab: Proposal oral presentations/Discussions		TNR 354
Mar 18	<b>SPRING BREAK</b>		
Mar 25	Lect: TBD Lab: <b>Lab practical</b>		TNR 354
Apr 1	Lect: Nutrition and Diet Analysis Lab : Diet analysis – hair identification	Chapter 20	TNR 354
Apr 8	Lec: Reproduction Lab: Nest searching	Chapter 24	Outside, Schmeeckle
Apr 15	Lect: Radio-telemetry Lab: Telemetry and veg measurements	Chapters 11 and 19	Outside, Schmeeckle
Apr 22	Lect: Resource Selection Lab: Nest data analysis	Chapter 20	TNR 354
April 29	Lect: Project Presentations Lab: Project Presentations		TNR 354
May 6	Lect: Observing Behavior <b>Finish final papers – due May 8th</b>	Chapter 23	
May 16	<b>Final Examination (online)</b>		Online

### Important Dates:

Hypothesis and Lit. Search	Feb 14 <sup>th</sup>
Written proposals	March 13 <sup>th</sup>
Take Home midterm	March 11 <sup>th</sup> – 15 <sup>th</sup>
Proposal Presentation	March 13 <sup>th</sup>
Project Presentation	April 30 <sup>th</sup> and May 1 <sup>st</sup>
Project Paper	May 8 <sup>th</sup>
<b>Final Exam</b>	TBA - Online

**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.

**Cell Phones and Other Electronics:** Cell phones, tablets, and laptops may be distracting to those around you. This is especially true if you are using these devices to view other content. As such, as a courtesy to your classmates and instructors, we ask that electronic devices be put away unless they are being used for note taking or interacting with digital lecture material in class. Please speak with your instructors ahead of time if you have some other reason which requires access to electronics.

**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 integrity in your behavior in and out of the classroom.