Wildlife 350/550: Wildlife Management Techniques **Spring 2021**

Professor: Shelli Dubay (TNR 325)
346-4178; sdubay@uwsp.edu
Virtual
Office hours: Tu, Fri 12:00 – 1:00
https://uwsp.zoom.us/j/9269849384

Lecture (online): Tu 2:00-2:50 (Asynchronous online recordings)

Lab (see schedule): Wed 12:00-1:50, 2:00-3:50 (cohort attendance for some labs – see below)

Textbook*:* Silvy, N. J., Editor. 2020. The Wildlife Techniques Manual, Vol. 1 and 2. 8th 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 Wildlife Society Bulletin;
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
	Proposal oral presentation	50
	Written project paper	100
	Project oral presentation	50
	Peer Evaluation	50
TOTAL		**605**

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. We will use Canvas announcements as the main method 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 our 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.

Face covering: 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.

TENTATIVE LECTURE AND LAB SCHEDULE

DATE	TOPIC	READING	Lab Room
Jan 26	Lect: Intro to Course and ethics Lab: Experimental Design and Statistics	Chapters 1, 2, 27 and Canvas readings	Online
Feb 2	Lect: Case studies in Wildlife Science Lab: Research project development (zoom)		**Zoom**
Feb 9	Lect: Sexing and Aging Birds Lab: Sexing and Aging Birds/Waterfowl ID	Chapter 8	**TNR 354**
Feb 16	Lect: Sexing and Aging Mammals Lab: Sexing and Aging Mammals – Deer aging	Chapter 8	**TNR 354**
Feb 23	Lect: Wildlife Health Lab: Necropsy (COOL!)	Chapter 7	Online
Mar 2	Lect: Nutrition and Diet Analysis Lab : Diet analysis – hair identification	Chapter 20	Online
Mar 9	Lect: Communication in wildlife science Lab: **Lecture midterm**	Chapter 29	Online
Mar 16	Lect: Proposal oral presentations/Discussion Lab: Proposal oral presentations/Discussion		Online
Mar 23	**SPRING BREAK**		
Mar 30	Lect: Captive propagation and translocations Lab: **Lab practical**	Chapter 48	Online
Apr 6	Lect: Capturing and Marking of Wildlife Lab: Capture and marking	Chapters 3, 10	**TNR 354**
Apr 13	Lect: Remote monitoring of wildlife Lab: Remote lab – snapshot WI	Chapters 9, 11, 13, 15, 16, 17	Online
Apr 20	Lect: Observing behavior Lab: Activity budget on your own	Chapter 23	Online
Apr 27	Lec: Reproduction Lab: Nest searching	Chapter 24	**Outside, Schmeeckle**
May 4	Lect: Project Presentations (zoom) Lab: Project Presentations (zoom)		Online
May 11	**Finish final papers – due May 12th**		
May 18	**Final Examination (online only)**	Tu 8:00 AM to 9:00 PM	Online

Important Dates:

Hypothesis and Lit. Search	Feb 16th
Written proposals	March 19th
Take Home midterm	March 9-16 (due 3-16)
Proposal Presentation	March 16th and 17th
Oral Presentation	May 4th and 5th
Project Paper	May 12th
Final Exam	May 18, 8:00AM – 9:00 PM