Wildlife 350: Wildlife Management Techniques   Fall 2019

TNR 354
Lecture: *Mondays 10:00- 10:50 (TNR 354)*
Lab Section #1:   *Mondays 1:00 – 2:50(TNR 354)*
Lab Section #2:   *Mondays 3:00 – 4:50(TNR 354)*

Associate Lecturer: Ross McLean (TNR 301; **rmclean@uwsp.edu**)
Office hours: Mon 11-12, or by appointment

Textbooks*:* Silvy, N. J., Editor. 2012. The Wildlife Techniques Manual, Vol. 1 and 2. 7th edition. The Johns Hopkins University Press, Baltimore, Maryland, USA.

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 researchers. Keep in mind that we will be unable to cover the full set of "tools" available in the wildlife management "toolbox." Rather, the goal is to expose you to the applications, assumptions, and limitations of many common techniques you may encounter as wildlife professionals. During the semester, we will use the lecture and laboratory periods to explore a range of field and laboratory methods. You will be required to conduct an independent research project that will entail a **significant time commitment** outside of the classroom. This is a Writing Emphasis (WE)/Communication in the Major course.

Course Learning 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 (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
Additional Lab Assignments		50
TOTAL		**605**

Grade	%	
A	93+	
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	60-66	
F	≤59	

Canvas: Course materials will accumulate on Canvas as the semester progresses. Check it often.

Attendance: Material and class 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). Therefore, do not do it.

LECTURE AND LAB SCHEDULE

DATE	TOPIC	READING
9-Sep	Lect: Introduction to Course; Exp Design and stats Lab: Written communication expectations / Research Project Introduction/Preparation	Chapter 1,2
16-Sep	Lect: Case studies in applied wildlife research Lab: Hypotheses and Research Project Development (in groups)	TBD
23-Sep	Lect: Observing Behavior Lab: Wildlife Observation surveys (on your own)	Chapter 19
30-Sep	Lect: Sexing and Aging Birds Lab: Sexing and Aging Birds/Bird ID	Chapter 8
7-Oct	Lect: Sexing and Aging Mammals Lab: Sexing and Aging Mammals/Mammal ID	Chapter 8
14-Oct	Lect: Wildlife Capture & Marking Techniques Lab: Capture equipment and their practical applications	Chapter 3,9
21-Oct	Lect: Oral communication skills **Lab: Lab practical**	TBD
28-Oct	Lect: Proposal Oral Presentations/Discussion Lab: Proposal Oral Presentations/Discussion	none
4-Nov	Lect: Captive Propagation Lab: Project proposal Feedback	Chapter 3,4
11-Nov	Lect: Reproduction indices using point counts Lab: Nest Searching	Chapter 11
18-Nov	Lect: Nutrition and Diet Lab: TBD	TBD
25-Nov	Lect.: Wildlife Health Lab: Necropsy	Chapter 7
2-Dec	Lect. Animal Resource Selection Lab: Resource and habitat selection (GIS-based)	Chapter 20
9-Dec	Lect: Project Presentations Lab: Project Presentations	none
18-Dec	**Final Examination**	

Important Dates:

Hypothesis and Lit. Search	September 30th
Written proposals	October 14th
Take Home midterm	October 22nd
Proposal Presentation	October 28th
Oral Presentation	December 9th
Project Paper	December 13th
Final Exam	December 18, 8:00-10:00