

WILDLIFE MANAGEMENT TECHNIQUES: FRSC 2263

DR. WAID

Room 116, YOW Bldg.

Phone: 391-4811 (Ag. and Forest Res. Office = 4790)

Office Hrs: Posted at office & in classroom

TEXT: There is no required text, however, assigned readings will be provided by the instructor

SUPPLIES: 3x5" index cards Cotton or Synthetic Batting Borax

COURSE OBJECTIVES: To develop within the student a high level of demonstrable proficiency in the following areas:

A. Wildlife Management Literature

1. Serials
2. Monographs
3. Literature Searches
4. Developing Personal Reprint Library
5. Report Writing

B. Observations and Records

1. Data Forms
2. Daily Journals
3. Cameras / Digital Images

C. Collection and Preservation of Biological Material

1. Tissues and Fixatives
2. Blood Collection
3. Preparation of Study Skins

D. Post Mortem Examination of Wild Animals

1. Purpose / Need
2. Anatomy
3. Necropsy

E. Capturing and Marking Wild Animals

1. Devices for Capturing Mammals
2. Devices for Capturing Birds
3. Use / Administration of Anesthetics
4. Marking Techniques

F. Estimating Population Parameters

1. Basic Biometric Considerations (range, mean, bias, sampling error, etc.)
2. Types / Examples of Population Estimators (Survey, Index, Sample, Census)
3. Physiological Indicators (Fat Stores, Reproduction, Parasite Loads, etc.)

G. Wildlife Damage Control

1. Methods of Control (habitat modifications, biological control, etc.)
2. Applicable Techniques for Select Species

H. Basic Mammalian Taxonomy

1. The Mammalian Skull
2. Skull key to Selected Orders of Mammals
3. Species Recognition by Mammalian Skull Characteristics

I. Sex and Age Determination

1. Terminology (age class, year class, cohort, etc.)
2. Pre-natal Age Determination in White-tailed Deer
3. Mammals (Wild Swine, W-T Deer, Gray Squirrel, etc.)
4. Birds (Waterfowl, Gallinaceous Birds, Mourning Dove, etc)

J. Seed Identification

K. Boone and Crockett

1. Requirements
2. Scoring Methods

GRADING  
SYSTEM:

		<u>GRADE</u>
3 Hourly Exams (13.3% each)	40%	A 90 - 100%
Final Exam (Cumulative)	25%	B 80 - 89%
Term Paper*	15%	C 70 - 79%
3 Study Skins / 3 track casts* (2 mammals/1 bird <u>or</u> 2 birds/1 mammal)	15%	D 60 - 69%
<u>Lab Participation/Quizzes</u>	<u>5%</u>	F < 60%
Total	100%	

\* Deadlines will be announced for the term paper and the study skins. If either project is turned in after the deadline a grade of 0% will be recorded. Study skins will receive a grade penalty if they are turned in "wet."

Students enrolled in the Forestry, and Wildlife Technology Programs will be expected to demonstrate an understanding of subject matter requiring higher order processing skills. Examination questions may include essay, synthesis, analysis, and application; as well as completion, multiple choice, true-false, and matching. Computational skills and drawing or diagramming may also be required.

Field Trips: Students will be involved in field trips during this course, including a two day trip to Sapelo Island to apply deer capture, and necropsy techniques.