

FOREST WILDLIFE MANAGEMENT (FRSC 1192)

Instructor: Dr. William Moore

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Office Hrs: Posted by office door

Course Prerequisites: Exit Developmental Reading

Text: Managing Wildlife (Yarrow and Yarrow) - optional

Course Objectives: To provide the Wildlife Technology Student with a thorough understanding of the following:

I. Basic Terminology

- A. Definitions – Wildlife, Wildlife Management, Species, Population, Community, Biotic vs. Abiotic, Ecosystem
- B. Importance of Wildlife – Recreational value, Ecological value, Scientific value, Aesthetic value, Ethical value.
- C. Conservation vs. Preservation

II. History

- A. Use and Abuse – Explore, Exploit, Exhaust
- B. Man's Attempts to Manage Wildlife – Positive and Negative
 - 1. Restricted Hunting – An In-depth Look at State Conservation Agencies
 - 2. Predator Control
 - 3. Refuges – The Federal Refuge System
 - 4. Artificial Replenishment – Propagation and Release, Translocation / Restocking
 - 5. Habitat Manipulation – The "Balanced" Approach

III. Habitat

- A. Food – Soil and Nutrition, Food Plots, Crop Damage, etc.
- B. Cover
- C. Water
- D. Relationships – Composition, Interspersion, Juxtaposition
- E. The Edge Effect – Edge & Ecotone, "Too Much Edge"
- F. Controlled Burning

IV. Steps to Follow in Wildlife Management

- A. Determine Population Size – Census, Representative Sampling, Indices, Surveys
- B. Determination of Productivity
- C. Determination of the Limiting Factor – Liebig, Shelford, Odum
- D. Manipulation of Limiting Factors – Know when to Quit

V. Population Dynamics

- A. Sigmoid, and "J" Shaped Population Growth Curves – Biotic Potential
- B. Kaibab Plateau Deer – Acting Without Understanding
- C. Deer Population Management – Habitat Manipulation, Harvest Regulation,

Trophy Management

VI. Wildlife Populations

- A. Behavior – Stable, Irruptive, Cyclic
- B. The Holistic Concept
- C. Sex and Age Composition
- D. Mortality and Natality
- E. Decimating Factors – Compensation, Factor Interaction, Density Dependent, Density Independent
- F. Movements and Spatial Considerations – Migration, Emigration, Range, Home Range, Territory
- G. Density

VII. Management Suggestions – The Management Plan

- A. Mammals – Deer, Rabbits, Squirrels, Fur bearers
- B. Birds – Dove, Duck, Quail, Turkey

VIII. Wildlife Management of the Future – People Management & Public Relations

Evaluation:	3, 1-hour Exams (20% @) = 60% of Course Grade
	Final Exam (Cumulative) = 30% of Course Grade
	Class Participation = <u>10% of Course Grade</u>
	= 100%

Hourly Exam dates will be announced at least two class meetings in advance. Make-up exams must be scheduled **within 1 week** of the missed exam. Failure to do so will result in a zero for the missed exam. Make-up exams will only be allowed for the excused absences as defined on the following page.

- * If the final exam grade is higher than the lowest hourly exam grade, the score on the final exam will replace the lowest hourly exam score when calculating the final course grade (Zeros for missed exams do not qualify).

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.

ATTENDANCE: Students whose number of total absences is more 6 (the equivalent of 20% of class meetings) will receive a grade of "F" for the course. Fewer absences than 6 may result in grade penalties as listed below.

Absences of 6 or fewer will result in loss of the Class Participation points in the following increments:

1-3 absences = no penalty

4 absences = lose 30% of participation pts.

5 absences = lose 60% of participation pts.

6 absences = lose 100% of participation pts.

Each absence greater than 6 will result in a reduction of the final course grade by 3 points.

Students who are absent are responsible for any work or assignments missed. Contacts may be made in person, or by messages placed under the door of room 118.

The only acceptable reasons for an absence from an exam are sudden illness, school-related trip, or death in the immediate family. The instructor must be notified of all intended absences prior to the exam in question. Makeup exams may consist entirely of essay questions, regardless of the format used for scheduled exams.

With respect to exams, necessary arrangements will be made for students with diagnosed learning disabilities.

TARDINESS: The School of Agriculture and Natural Resources' attendance policy is as follows: Any student that is late to class will be considered absent for the class period. No exceptions. Once class begins, the door will be locked and no one will be able to enter afterwards. Students are not allowed to leave the classroom without permission from the instructor.

- BEHAVIOR:**
1. Students are expected to reflect their maturity and behave courteously towards their classmates at all times.
 2. No eating or use of tobacco is allowed in the classrooms or labs. Each offense will result in a reduction of the course grade by 3%. Drinks in a lidded container may be brought into the classroom - **NO CANS**.
 3. **Cell Phone/Pager Policies:**
All cell phones and pagers must either be left in a vehicle or turned off. If a student's cell phone rings (including vibrate mode) during class, that student will lose 5 percentage points off of their final course grade for each occurrence. A student checking their phone or pager for calls or text messages will equate to that phone ringing. **Any student texting in class will have to leave the class and will lose 5 percentage points off of their final course grade for each occurrence.**

POLICY ON CHEATING: Cheating is unacceptable behavior. A grade of 0 (zero) will be recorded for the exam or quiz in question, with further disciplinary action to be taken in accordance with the Student Handbook.