



NORTHEAST TEXAS

COMMUNITY COLLEGE

WILDLIFE CONSERVATION AND MANAGEMENT

AGRI 2330

Course Syllabus

Chad Henry-Instructor
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Spring, 2017

Course Description:

Study of the principals and practices used in the production and improvement of North American wildlife resources.

Textbook:

Managing our Wildlife Resources, 4th Edition, Stanley H. Anderson, Prentice Hall Publishers.

General Course Requirements:

Class attendance is required. If you have more than three unexcused absences, you should consult with me about your grade. Anyone who wishes to withdraw from class must take the responsibility to formally drop with the Registrar; otherwise a failing grade will be given.

Office Hours:

MW 7:30-8:00, 1:00-1:30, 3:30-4:30 TR 7:30-8:00, 12:00-1:30, 3:30-4:30

Appointments with me may be scheduled at other times. Call for an appointment at (903) 434-8177, Office AGC 110. E-mail address: chenry@ntcc.edu

Grading:

Grades will be computed as follows:

(3) Exams:	70%
Class Participation:	10%
Project:	10%
Assignments/Quizzes	10%

The grading scale below will be used to determine your final grade.

Points	grade
90-100	A
80- 89	B
70- 79	C
60- 69	D
BELOW 59%	F

Exams:

There will be 3 exams counting for a total of 70% of your overall grade.

Class Participation:

Class participation is based on attendance, classroom discussion, and participation.

Project:

Each student will be assigned a specific endangered species in which they will be required to write a one or two page written report and give a brief oral report to the class. You need to include the following information: population remaining, habitat information, and what wildlife managers are currently doing to address the problem. I will assign the endangered species to research. The project is due March 29th, 2017.

Assignments/Quizzes:

We will have both announced and unannounced quizzes during the semester, along with group and individual assignments.

ADA Statement

It is the policy of Northeast Texas Community College to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to arrange an appointment with a College counselor to obtain a Request for Accommodations form. For more information, please refer to the Northeast Texas Community College Catalog or Student Handbook.

Family Educational Rights And Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

Academic Dishonesty:

Cheating is against the Northeast Texas Community College policy. Cheating includes any attempt to defraud, deceive, or mislead the professor in arriving at an honest grade assessment. Plagiarism is a form of cheating that involves presenting as one's own the ideas or work of another.

Violation of the cheating policy may result in a lowered grade of "F" in the course. A grade assigned to a student because of an alleged cheating policy violation may be appealed by the student through the appeals process of the College. See the Student Handbook for details. I recommend that you become familiar with your handbook.

Course Goals:

This is the first in a series of agriculture specialization courses designed to move the agriculture students in a logical and meaningful learning path toward a more scientific approach to wildlife management. The students will gain an appreciation for and an understanding of the principles and practices used in the production and improvement of wildlife resources for aesthetic, ecological, and recreational uses of public and private lands.

Course Objectives:

The student should be able to:

- distinguish between wildlife management and conservation
- what major factors contribute to the decision making process in wildlife management
- discuss the role of politics in wildlife management
- define population
- describe how a life table can be used to manage a population
- discuss the relevance of genetic makeup of populations to management decisions
- discuss how populations cycles are controlled by predators
- discuss the role of hunting and fishing in population control
- describe the importance of competition, predation, and disease in hunting quotas
- describe carrying capacity and why it is likely to change
- define migration, immigration, and emigration
- describe the techniques that can be used to measure population movements
- identify the differences among random, stratified, and cluster sampling
- define a model and how a model can be validated
- describe a simulation experiment using a model
- suggest ways in which population models can help managers reduce predation
- determine the needs of a population
- describe how managers can best use community and ecosystem concepts in management
- describe the movement of energy through a food chain, and discuss factors that limit energy flow
- determine how one population influences the biological needs of another
- discuss the uses of classification system by wildlife managers at the field and regional levels
- relate habitat management to classification systems
- discuss how a wildlife manager uses the biome system
- identify the characteristics in developing a wildlife-classification system
- describe the impact of new water impoundments on the natural food chain
- describe the different types of habitat alteration and what managers can do about them
- describe some of the effects of habitat destruction
- discuss why the key to reducing the impact of humans on wildlife is habitat management
- identify the basis of wildlife law in the United States
- describe the skills a wildlife manager needs
- explain the role disease play in big-game, small game, and waterfowl management
- discuss some of the technology used in managing big-game, small game, and waterfowl species
- describe how harvest regulations are used in managing big game, small game, and waterfowl

Course Outline:

Week 1	What is wildlife management?
Week 2	Characteristics of wildlife populations
Week 3	Population growth and interactions
Week 4	Population movements and measurements
Week 5	Population modeling
Week 6	Environmental conditions necessary for survival
Week 7	Habitat management
Week 8	Habitat alteration
Week 9	The wildlife manager
Week 10	Planning
Week 11	Goals and desires of the public
Week 12	Big game
Week 13	Small mammals
Week 14	Waterfowl
Week 15	Fisheries
Week 16	Endangered Species