



## Course Syllabus

### **AGRI 2330 - Wildlife Conservation & Management**

*Revision Date: 12/3/15*

**Catalog Description:** Principles and practices used in the production and improvement of wildlife resources. Aesthetic, ecological, and recreational uses of public and private lands.

**Lecture hours = 3, Lab hours = 0**

**Prerequisites:** none

**Semester Credit Hours:** 3

**Lecture Hours per Week:** 3

**Lab Hours per Week:** 0

**Contact Hours per Semester:** 48

**State Approval Code:** THECB 03.0601.51 01

#### Core Components and Related College Student Learning Outcomes

This course counts as part of the academic requirements of the Panola College Core Curriculum and an Associate of Arts or Associate of Science degree.  Yes  No: If no, skip to Instructional Goals.

The items below marked with an X reflect the state-mandated outcomes for this course IF this is a CORE course:

- Critical Thinking Skills – to include creative thinking, innovation, inquiry and analysis, evaluation and syntheses of information
  - CT1: Generate and communicate ideas by combining, changing, or reapplying existing information
  - CT2: Gather and assess information relevant to a question
  - CT3: Analyze, evaluate, and synthesize information
- Communication Skills – to include effective development, interpretation, and expression of ideas through written, oral, and visual communication
  - CS1: Develop, interpret, and express ideas through written communication
  - CS2: Develop, interpret, and express ideas through oral communication
  - CS3: Develop, interpret, and express ideas through visual communication
- Empirical and Quantitative Skills – to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

- EQS1: Manipulate and analyze numerical data and arrive at an informed conclusion
- EQS2: Manipulate and analyze observable facts and arrive at an informed conclusion
- Teamwork – to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
  - TW1: Integrate different viewpoints as a member of a team
  - TW2: Work with others to support and accomplish a shared goal
- Personal Responsibility – to include the ability to connect choices, actions, and consequences to ethical decision-making
  - PR1: Evaluate choices and actions and relate consequences to decision-making
- Social Responsibility – to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
  - SR1: Demonstrate intercultural competence
  - SR2: Identify civic responsibility
  - SR3: Engage in regional, national, and global communities

**Instructional Goals and Purposes:** The purpose of this course is to introduce the overall complexity and Wildlife Management.

Learning Outcomes: [from the ACGM catalog]

After studying all materials and resources presented in the course, the student will be able to:

1. Explain basic ecological principles of population dynamics, habitat, succession, and Ecosystems.
2. Describe how these ecological principles can be applied to manage wildlife populations and habitats.
3. Contrast wildlife management strategies for different purposes
4. Use critical thinking and scientific problem-solving to make informed decisions about wildlife and natural resources management strategies.
5. Discuss the impact of current trends and societal issues on wildlife and increased demands on natural resources.

**Course Content:**

Students in all sections of this course will be required to do the following: Course content (see course description) will be taken from the adopted text and appropriate online sources.

1. Explain the importance of wildlife conservation and management.
  - a. Recount events that have influenced the history of wildlife conservation and management.
  - b. Discuss the difference between active and inactive management.
  - c. Discuss classification schemes for wildlife.
  - d. Discuss the impact the "myth of superabundance" had on the North American wildlife population.

2. Explain the basic concepts of population dynamics rate of increases in populations, and population growth.
  - a. Discuss the effects of overpopulation and controlled hunting.
  - b. Discuss the factors involved in determining population growth rate.
  - c. Define the three ecological age periods.
  - d. Discuss carrying capacity.
  - e. Discuss the concept of population density.
  - f. Discuss ungulate populations.
3. Have an understanding of predation and wildlife diseases.
  - a. Discuss the impact of disease on the wildlife population.
  - b. Distinguish between various types of predation.
  - c. Discuss diseases that affect wildlife.
4. Have an understanding of wildlife nutrition and wildlife habitat in relation to nutrition.
  - a. Discuss the impact nutrition has on the health of the wildlife population.
  - b. Discuss starvation.
  - c. Discuss the importance of vitamins and minerals in the diet of wildlife.
  - d. Discuss the role water plays in the life of wildlife.
  - e. Discuss accessibility of physical and biological components of a habitat.
  - f. Discuss the ability of the environment to provide conditions appropriate for individual and population persistence.
5. Have an understanding of the economics involved in wildlife management in the 21st century.
  - a. Determine influential people in the area of economics as it pertains to wildlife management.
  - b. Discuss the economic value of wildlife.
  - c. Determine the wildlife regulating agencies and their role.

**Methods of Instruction/Course Format/Delivery:** The content for the course will be delivered through Text, Lecture, and Canvas.

**Assessment:**

The following items will be assigned during the semester and used to calculate the student's final grade:

- **Chapter Quizzes and Assignments**  
Students will read the required material and complete quizzes and assignments over the content. The ability to makeup late quizzes and assignments will be determined by the instructor for a reduced score.
- **Tests**  
There will be four tests that will be taken in the Testing Center locations only. Students are only allowed ONE makeup test per semester with the approval of the instructor.
- **Final Exam**  
The Final Exam will be cumulative and will be taken in the Testing Center location.

**Course Grade:**

The grade for this course will be based on:

Assignments and Quizzes – 25%

Tests – 50%

Final Exam – 25%

A student that chooses to NOT finish the course must complete the withdrawal procedure in the Student Success office in order to receive a —W. Otherwise, the student will receive a grade at the end of the semester commensurate with the work completed.

Students needing special classroom or testing accommodations because of physical or learning disabilities must contact the Student Success office before these services will be made available in the classroom.

**Texts, Materials, and Supplies:**

- *Title: Introduction to Wildlife Management: The Basics*
- *Author: Paul R. Krausman*  
ISBN: 9780132808507

**Other:**

- For current texts and materials, use the following link to access bookstore listings: <http://www.panolacollegestore.com>
- For testing services, use the following link: <http://www.panola.edu/elearning/testing.html>
- If any student in this class has special classroom or testing needs because of a physical learning or emotional condition, please contact the ADA Student Coordinator in Support Services located in the Administration Building or go to <http://www.panola.edu/student-success/disability-support-services/> for more information.
- Withdrawing from a course is the student's responsibility. Students who do not attend class and who do not withdraw will receive the grade earned for the course.
- Student Handbook, *The Pathfinder*: <http://www.panola.edu/student-success/documents/pathfinder.pdf>