BUTTE COLLEGE
COURSE OUTLINE

I. **CATALOG DESCRIPTION**

NR 55 - Wildlife Management **3 Unit(s)**

Prerequisite(s): NONE
Recommended Prep: Reading Level IV; English Level III; Math Level III
Transfer Status: CSU
34 hours Lecture
51 hours Lab

The course is a study of plant and animal ecology in relation to principles of wildlife management with an emphasis on identification, sexing and aging criteria, wildlife population dynamics, wildlife habitat, and a review of trapping and marking techniques.

II. **OBJECTIVES**

Upon successful completion of this course, the student will be able to:

A. Identify common North American wildlife species using keys and reference books and describe the natural history of those species.
B. Describe the basic habitat requirements of North American fish and wildlife.
C. Evaluate various wildlife management techniques used in habitat modification and population estimation.
D. Analyze human impact on wildlife populations and habitat.
E. Evaluate the role of wildlife management in endangered species recovery.

III. **COURSE CONTENT**

A. **Unit Titles/Suggested Time Schedule**

Lecture

Topics	Hours
1. History of Wildlife Management	4.00
2. California Wildlife	4.00
3. Wildlife Ecology	4.00
4. Wildlife Populations	4.00
5. Wildlife Habitat Management	4.00
6. Wildlife Management Techniques	4.00
7. Wildlife Diseases	4.00
8. Hunting and trapping	3.00
9. Biodiversity and Conservation Biology	3.00
Total Hours	34.00

Lab

Topics	Hours
1. Mitigation Techniques	6.00
2. California Wildlife	6.00
3. Wildlife Ecology	6.00
4. Wildlife Populations	6.00
5. Wildlife Habitat Management	6.00

6.	Wildlife Management Techniques	6.00
7.	Wildlife Diseases	6.00
8.	Hunting and trapping	4.50
9.	Biodiversity and Conservation Biology	4.50
Total Hours		51.00

IV. METHODS OF INSTRUCTION

A. Lecture
B. Instructor Demonstrations
C. Guest Speakers
D. Collaborative Group Work
E. Field Trips
F. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
G. Multimedia Presentations

V. METHODS OF EVALUATION

A. Quizzes
B. Oral Presentation
C. Journal
D. Class participation
E. Lab Projects
F. Mid-term and final examinations
G. Essays and research papers

VI. EXAMPLES OF ASSIGNMENTS

A. Reading Assignments
   1. Read the chapter on professional wildlife biology and be prepared with questions for the next meeting's guest lecturer, a California Department of Fish and Wildlife Biologist.
   2. Read the chapter on censusing wildlife populations and be prepared to discuss the practicality in use of each census method on various species of wildlife.

B. Writing Assignments
   1. Pick a recent wildlife problem facing managers in the world. Type a three page report on the subject, and be sure to include references and cite your sources in the body of your paper.
   2. Keep a laboratory journal consisting of detailed hand-written notes from your lab work this week. Be prepared to submit your notes to the instructor in lab next week.

C. Out-of-Class Assignments
   1. Attend a County Fish and Game Commission meeting and type a brief synopsis on the subject and details discussed in the proceedings.
   2. Take a walk around campus, the natural part not the developed portion, and using a field guide, list the species of wildlife encountered. Type a report to be handed in using both the scientific name and common name.

VII. RECOMMENDED MATERIALS OF INSTRUCTION

Textbooks:

A. Deal, K.H. Wildlife & Natural Resource Management. 3rd Edition. Thomson Delmar Learning, 2011.
B. Krausman, P.R., and Cain III, J.W. Wildlife Management & Conservation: Contemporary Principles and Practices. 1st Edition. The Johns Hopkins University Press, 2013.

Materials Other Than Textbooks:

A. Field guides as assigned by the instructor.

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