



**Course Information**

<b>Course Title</b>	Wildlife Conservation and Management
<b>Course Prefix, Num. and Title</b>	AGRI 2330
<b>Division</b>	Life Sciences
<b>Department</b>	Agriculture
<b>Course Type</b>	Academic General Education Course (from ACGM, but not WCJC Core)
<b>Course Catalog Description</b>	Principles and practices used in the production and improvement of wildlife resources. Aesthetic, ecological, and recreational uses of public and private lands.
<b>Pre-Requisites</b>	TSI Reading and Writing requirement met
<b>Co-Requisites</b>	Enter Co-Requisites Here.

**Semester Credit Hours**

<b>Total Semester Credit Hours (SCH): Lecture Hours:</b>	3:3:0
<b>Lab/Other Hours</b>	
<b>Equated Pay Hours</b>	3
<b>Lab/Other Hours Breakdown: Lab Hours</b>	Enter Lab Hours Here.
<b>Lab/Other Hours Breakdown: Clinical Hours</b>	Enter Clinical Hours Here.
<b>Lab/Other Hours Breakdown: Practicum Hours</b>	Enter Practicum Hours Here.
<b>Other Hours Breakdown</b>	List Total Lab/Other Hours Here.

**Approval Signatures**

<b>Title</b>	<b>Signature</b>	<b>Date</b>
<b>Prepared by:</b>		
<b>Department Head:</b>		
<b>Division Chair:</b>		
<b>Dean/VPI:</b>		
<b>Approved by CIR:</b>		

## **Additional Course Information**

**Topical Outline:** Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

Lecture topics:

1. Introduction, history of wildlife management
2. Basic ecological principles
3. Population ecology
4. Animal behavior and wildlife management
5. Wildlife food and cover
6. Water and wildlife
7. Wildlife disease
8. Wildlife and farmlands
9. Wildlife and forests
10. Wildlife and rangelands
11. Wetland habitat
12. Consumptive and non-consumptive uses of wildlife
13. Exotic species
14. Endangered species
15. Wildlife economics and politics

### **Course Learning Outcomes:**

#### **Learning Outcomes – Upon successful completion of this course, students will:**

1. Obtain an introduction to history and heritage of wildlife conservation and management
2. Explain basic ecological principles of population dynamics, habitat, succession, and ecosystems.
3. Describe how these ecological principles can be applied to manage wildlife populations and habitats.
4. Contrast wildlife management strategies for different purposes (i.e. recreation, conservation, and preservation).
5. Use critical thinking and scientific problem solving to make informed decisions about wildlife and natural resources management strategies.
6. Discuss the impact of current trends and societal issues on wildlife and increased demands on natural resources.

#### **Methods of Assessment:**

1. Lecture and exams.
2. Lecture, exams, and term paper which outlines a Texas wildlife species and how its habitat and man's actions support its populations
3. Writing assignments and literature reviews of primary, peer reviewed relevant research. To complete these writing assignments students should locate and critically review primary literature via online databases and should be made aware of the differences between primary literature and "popular literature"
4. Course assessment shall involve a critical review of these assignments by faculty instructing the course to assure that the curriculum supports these course learning outcomes.

**Required text(s), optional text(s) and/or materials to be supplied by the student:**

Wildlife Ecology and Management, Current edition . E.G. Bolen and W.L. Robinson. Benjamin Cummings/Prentice Hall, Upper Saddle River, NJ 07458. ISBN 0-13-066250-X

**Suggested Course Maximum:** 36

**List any specific or physical requirements beyond a typical classroom required to teach the course.**

**Typical lecture room with multimedia presentation ability**

**Course Requirements/Grading System:**

70%: - Average of 4 lecture exams - each may include short answer, essay and/or multiple choice questions

30% - Written assignments which emphasize critical thinking. These written assignments may include research papers relevant to a Texas wildlife topic, critical review of primary literature, written problem solving assignments, written synopsis of field trips, etc...

The grade classifications as outlined in the College Catalog are employed:

A – 90 – 100% Excellent

B – 80 – 89% Good

C – 70 – 79% Average

D – 60 – 69% Poor

F – Below 60% Failure

W – Withdrawn

**Curriculum Checklist:**

**Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.

**Administrative WCJC Core Course.** Attach the Core Curriculum Review Forms

Critical Thinking

Communication

Empirical & Quantitative Skills

Teamwork

Social Responsibility

Personal Responsibility

**WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist