

**Purpose:** It is the intention of this Administrative-Master Syllabus to provide a general description of the course, outline the required elements of the course and to lay the foundation for course assessment for the improvement of student learning, as specified by the faculty of Wharton County Junior College, regardless of who teaches the course, the timeframe by which it is instructed, or the instructional method by which the course is delivered. It is not intended to restrict the manner by which an individual faculty member teaches the course but to be an administrative tool to aid in the improvement of instruction.

**Course Title –** Wildlife Conservation and Management

**Course Prefix and Number –** AGRI 2330

**Department -** Agriculture

**Division –** Life Sciences

**Course Type:** (check one)

- Academic General Education Course (from ACGM – but not in WCJC Core)  
 Academic WCJC Core Course  
 WECM course (This course is a Special Topics or Unique Needs Course: Y  or N )

**Semester Credit Hours # : Lecture hours# : Lab/other hours #**     3:3:0

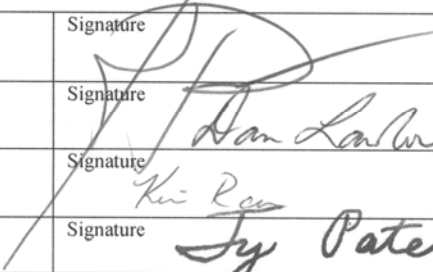
**Equated Pay hours for course -** 3

List Lab/ Other Hours
Lab Hours
Clinical Hours
Practicum Hours
Other (list)

**Course Catalog Description -** An introductory course which covers the study of practices and ecological principles used in the conservation and management of wildlife resources, with special reference to the wildlife resources of Texas. Topics of study include heritage and history of wildlife management theory and practices which promote wildlife habitats.

**Prerequisites/Corequisites -** THEA reading and writing requirements met. Field trip(s) may be required.

**Approvals –** the contents of this document have been reviewed and are found to be accurate.

Prepared by Kevin W. Dees	Signature 	Date 10/30/07
Department Head Dr. Dan Lawlor	Signature Dan Lawlor	Date 10-30-07
Division Chair Kim Raun	Signature Kim Raun	Date 10-31-07
Vice President Dr. Ty Pate	Signature Ty Pate	Date 11-1-07



**I. Topical Outline** – Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, 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

**II. Course Learning Outcomes**

<b>Course Learning Outcome</b>	<b>Method of Assessment</b>
<p>Students will :</p> <ol style="list-style-type: none"> <li>1. Obtain an introduction to history and heritage of wildlife conservation and management</li> <li>2. Obtain a basic understanding of basic ecological principles which demonstrate that wildlife management is applied ecology</li> <li>3. Demonstrate a basic appreciation for the field of wildlife management and the concept that wildlife populations, man's actions and habitat are interconnected and dependent on one another (with special reference to Texas species)</li> <li>4. Obtain a basic appreciation for the field of wildlife management as a science where decisions are based on scientific logical answers to ecological problems</li> </ol>	<ol style="list-style-type: none"> <li>1. Lecture exams</li> <li>2. Lecture exams and term paper which outlines a Texas wildlife species and how its habitat and man's actions support its populations</li> <li>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"</li> <li>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</li> </ol>

**III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.**

Wildlife Ecology and Management, 5<sup>th</sup> edition. 2003. E.G. Bolen and W. L. Robinson. Benjamin Cummings/Prentice Hall, Upper Saddle River, NJ 07458. ISBN 0-13-066250-X

#### IV. Suggested Course Maximum – 30

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

The lecture room should include sufficient dry erase (or chalk) board for notes and illustrations, a computer with internet access and overhead computer projector, and a traditional overhead projector.

#### VI. Course Requirements/Grading System – Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course

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

10% : Class participation - based on attendance and interaction during lectures, field trips, and classroom projects

10% : Critical thinking written assignments, 2 or 3 per semester - based on reviews of primary literature and should provide insight and exposure to wildlife management as a science.

10% : Research term paper - a research paper that highlights the management of a particular species of wildlife found in Texas, this assignment should allow students to explore concepts introduced during lecture at a more detailed level and make connections between lecture topics and real world research and application.

Total 100% --- 100-90=A

89-80=B

79-70=C

69-60=D

below 60=F

#### VII. Curriculum Checklist

- **Academic General Education Course** (from ACGM – but not in WCJC Core)  
No additional documentation needed

- **Academic WCJC Core Course**  
Attach the Core Curriculum Checklist, including the following:

- Basic Intellectual Competencies
- Perspectives
- Exemplary Educational Objectives

- **WECM Courses**  
Attach the following:

- Program SCANS Matrix
- Course SCANS Competencies Checklist