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: 2

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: [Signature]
Date: 11-30-07

Department Head: Dr. Dan Lawlor
Signature: [Signature]
Date: 10-30-07

Division Chair: Kim Raun
Signature: [Signature]
Date: 10-31-07

Vice President: Dr. Ty Pate
Signature: [Signature]
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

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<thead>
<tr>
<th>Course Learning Outcome</th>
<th>Method of Assessment</th>
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<td>Students will:</td>
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<td>1. Obtain an introduction to history and heritage of wildlife conservation and management</td>
<td>1. Lecture exams</td>
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<td>2. Obtain a basic understanding of basic ecological principles which demonstrate that wildlife management is applied ecology</td>
<td>2. Lecture exams and term paper which outlines a Texas wildlife species and how its habitat and man's actions support its populations</td>
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<td>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)</td>
<td>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 &quot;popular literature&quot;</td>
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<td>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</td>
<td>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</td>
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III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.
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