RWM 4333
Range Wildlife Management

Instructor: Mr. Ruben Cantu
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Phone: c 325 656-1817
Office: VIN 218

Office Hours: M and W 8-9, 10-11, Tues 8-12

Course Information

Course Description
This course is designed to introduce students to the history, ecology and management of wildlife populations and their habitats, particularly in the context of rangelands that are managed for livestock production. Emphasis will be placed on both habitat and population management including: survey techniques, population ecology and dynamics, predator-prey relationships, and management problems impacting wildlife populations in Texas.

Prerequisite and Co-requisite Courses
None

Prerequisite Skills
None

Student Learning Outcomes
Upon completion of this course, students will be able to:

● 1. Understand the basic concepts and ecological principles of wildlife management.
● 2. Have a clear understanding of habitat and the tools used by wildlife managers for managing wildlife.
Course Delivery

Statement for Synchronous Remote Sessions
To maintain academic quality while accommodating social distancing needs this semester, this course will use a split delivery model that combines face-to-face teaching with remote instruction.

The goal is to provide face-to-face instruction to students who want to return to campus, while also allowing students who may need to learn remotely to participate via virtual class sessions.

How Does It Work?
Your class will be divided and you will be placed into a smaller group of students to maintain physical distancing requirements in our assigned classroom space.

Your assigned group will receive a schedule of in-person class meetings. This schedule is not flexible. For instance, if you are supposed to attend class on a Monday, you cannot elect to go on Wednesday with another class group instead.

When you are not in the physical class, you will attend live remote sessions at the same time as our scheduled course. You will also be expected to complete coursework via Blackboard.¹

Please refer to this Health and Safety web page² for updated information about campus guidelines as they relate to the COVID-19 pandemic.

Required Texts and Materials
None. At the beginning of the semester several text books will be available for you to look at and copy the title, authors, ISBN#, etc. so that you can acquire these if you wish to add to your personal career library. Not a single one of them is used directly for this course. Materials and information are taken from each as well as other professional publications.

Technology Requirements
None
**Communication**

I will respond to email and/or telephone messages usually within 24 hours during working hours Monday through Friday. Weekend messages may not be returned until Monday.

**Written communication via email:** All private communication will be done exclusively through your ASU email address. Check frequently for announcements and policy changes. In your emails to faculty, include the course name and section number in your subject line.

**Grading**

**Evaluation and Grades**

Course grades will be determined as indicated in the table below.

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Percent of Total Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture Exams, Four per semester</td>
<td>60%</td>
</tr>
<tr>
<td>Lab Exams, Two per semester</td>
<td>30%</td>
</tr>
<tr>
<td>Reading Summaries, Five per semester</td>
<td>10%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

**Grading System**

Course grades will be dependent upon completing course requirements and meeting the student learning outcomes.

The following grading scale is in use for this course:

- A = 90 - 100 points
- B = 80 - 89 points
- C = 70 - 79 points
- D = 60 - 69 points
- F = 0 - 59 points

Your grade at the end of the semester will reflect the total number of points that you have earned. The course is designed so that you can earn a respectable grade if you participate in class and turn in all of your assignments. If you have a problem turning in your assignments or in attending class, please let the instructor know. If you have a
valid excuse, then you will be allowed to turn in your assignment(s) late with no loss of points on your assignment grade.

Assignment and Activity Descriptions

Lab:
In lab, wildlife identification and wildlife habitat (quantity and quality) for successful wildlife management will be our primary focus. Additionally, lab will cover discussions on wildlife population dynamics, and harvest data analysis. There may be guest speakers/presenters that will cover various subject matter may be a part of the lab and the information they provide can be used in exams.

Exams:
Exams will/may cover all material up to the date of the exam, i.e., tests are cumulative. It is important that you study all material and develop good study habits rather than trying to cram new material for a test. Repetition of notes and materials is key to effective studying.

Readings:
There will be assigned required readings throughout the course. These readings address issues that are relative to our lectures. Students are expected to read these prior to class and prepare a discussion summary (one page per reading) to be turned in at the beginning of class. In class, we will have group discussions to address specific questions posed by the instructor and followed by a class discussion. Appropriate readings for the topic material covered in lecture will be handed out to students during lecture and must be turned in (typed) on the assigned date as instructed by the Mr. Cantu. These will be graded on a point system of up to 20 points each. These are easy points to attain and the equivalent of one exam grade.

If you do not turn your discussion summary in on the assigned date, you will have one week to complete the assignment for no more than 70% credit.

The most efficient way for students to learn is through participation in class especially during discussion periods. There is something to be said about taking notes and you will have ample opportunity to do so and will be encouraged to do so.

Attendance:
Each student will have the opportunity to have three unexcused absences in lecture or lab with no negative consequences. Official school trips or otherwise advising the instructor ahead of time that you will not be in attendance do not count toward your three absences. Coming to class and sleeping through class counts as an
absence...stay awake. If you have three unexcused class periods, know that on your fourth unexcused absence you will lose five points from your final calculated grade and each absence thereafter will cost you one additional point off your final grade. For example, a total of six unexcused absences during the course of the semester will result in seven points off your final grade.

Expectations of you:
I expect your full attentiveness in this course, no sleeping in class, and to show up on time prepared to learn and take notes and to participate in discussions. I expect you to study the material each and every day…it is my experience that those students who study well do well in class and your grade generally reflects the effort put forth in studying.

Expectations of me: Expect me to cover lots of material but also expect me to slow down if asked…I have no problem doing so. I will listen to you and try to address any questions you may have and provide as much information as possible and make clear any aspect of lecture or lab that is not understood.

General Policies Related to This Course
All students are required to follow the policies and procedures presented in these documents:

- Angelo State University Student Handbook
- Angelo State University Catalog

Academic Integrity
Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.

The College of Science and Engineering adheres to the university’s Statement of Academic Integrity.

Accommodations for Students with Disabilities
ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the
Americans with Disabilities Act Amendments of 2008 (ADAAA) and subsequent legislation.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student’s responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the Student Disability Services website. The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford  
Director of Student Disability Services  
Office of Student Affairs  
325-942-2047  
dallas.swafford@angelo.edu  
Houston Harte University Center, Room 112

Incomplete Grade Policy
It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 Grading Procedures for more information.

Plagiarism
Plagiarism is a serious topic covered in ASU’s Academic Integrity policy in the Student Handbook. Plagiarism is the action or practice of taking someone else’s work, idea, etc., and passing it off as one’s own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.

Papers are subject to be evaluated for originality. Resources to help you understand this policy better are available at the ASU Writing Center.
Student Absence for Observance of Religious Holy Days
A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for Observance of Religious Holy Day for more information.

Title IX at Angelo State University
The University prohibits discrimination based on sex, which includes pregnancy, sexual orientation, gender identity, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination including: sexual assault, sex-based discrimination, sexual exploitation, sexual harassment, public indecency, interpersonal violence (domestic violence and/or dating violence), and stalking. As a faculty member, I am a Responsible Employee meaning that I am obligated by law and ASU policy to report any allegations I am notified of to the Office of Title IX Compliance.

Students are encouraged to report any incidents of sexual misconduct directly to ASU’s Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator at:

Michelle Miller, J.D.
Special Assistant to the President and Title IX Coordinator
Mayer Administration Building, Room 210
325-486-6357
michelle.boone@angelo.edu

You may also file a report online 24/7.

If you are wishing to speak to someone about an incident in confidence you may contact the University Health Clinic and Counseling Center at 325-942-2173 or the ASU Crisis Helpline at 325-486-6345.

For more information, visit the Title IX website.

Required Use of Masks/Facial Coverings by Students
As a member of the Texas Tech University System, Angelo State University has adopted the mandatory Facial Covering Policy to ensure a safe and healthy classroom experience. Current research on the COVID-19 virus suggests there is a significant reduction in the potential for transmission of the virus from person to person by wearing a mask/facial covering that covers the nose and mouth areas. Therefore, in compliance with the university policy students in this class are required to wear a mask/facial
covering before, during, and after class. Faculty members may also ask you to display your daily screening badge as a prerequisite to enter the classroom. You are also asked to maintain safe distancing practices to the best of your ability. For the safety of everyone, any student not appropriately wearing a mask/facial covering will be asked to leave the classroom immediately. The student will be responsible to make up any missed class content or work. Continued non-compliance with the Texas Tech University System Policy may result in disciplinary action through the Office of Student Conduct.

Modifications to the Syllabus
This syllabus, including grade evaluation and course schedule, is subject to modification. In particular, the COVID-19 pandemic may require significant changes in course delivery and content on potentially short notice.

Course and Lab Schedule

Spring Semester 2021
RWM 4333 Range and Wildlife Introduction

Lecture Schedule

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-25</td>
<td>Introduction, Syllabus, and Overview</td>
</tr>
<tr>
<td>1-27</td>
<td>What is, Management and Species classifications</td>
</tr>
<tr>
<td>2-1</td>
<td>What is Habitat</td>
</tr>
<tr>
<td>2-3</td>
<td>Era of Exploitation</td>
</tr>
<tr>
<td>2-8</td>
<td>Habitat</td>
</tr>
<tr>
<td>2-10</td>
<td>Habitat Succession</td>
</tr>
<tr>
<td>2-15</td>
<td>Wildlife Management what is needed? HABITAT</td>
</tr>
<tr>
<td>2-17</td>
<td><strong>Exam #1</strong></td>
</tr>
<tr>
<td>2-22</td>
<td>Ecological Principles</td>
</tr>
<tr>
<td>2-24</td>
<td>Basics of Habitat Management</td>
</tr>
<tr>
<td>3-1</td>
<td>Population Ecology</td>
</tr>
<tr>
<td>3-3</td>
<td>Population Ecology</td>
</tr>
<tr>
<td>3-8</td>
<td>Habitat Selection and Management</td>
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<tr>
<td>3-10</td>
<td><strong>Exam #2</strong></td>
</tr>
<tr>
<td>3-15</td>
<td>North American Model of Conservation</td>
</tr>
<tr>
<td>3-17</td>
<td>Challenges to the NAMC</td>
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<tr>
<td>3-22</td>
<td>Sampling the Biota</td>
</tr>
<tr>
<td>3-24</td>
<td>Predators and Prey</td>
</tr>
<tr>
<td>3-29</td>
<td>Predators and Prey</td>
</tr>
<tr>
<td>3-31</td>
<td>Genetics and Wildlife Management</td>
</tr>
</tbody>
</table>
4-5  Population Sampling and Manipulation
4-7  Exam #3
4-12 Conservationists and their Contributions
4-14 Wildlife Restoration and Funding
4-19 The Wildlife Professional
4-21 Human Dimensions in Wildlife
4-26 Human Dimensions in Wildlife
4-28 Contemporary and Classical Issues in Wildlife Management
5-3 Contemporary and Classical Issues in Wildlife Management
5-5 Why Do We Hunt?
5-12 Final Exam #4 (10:30-12:30)

IMPORTANT: Lecture topic by date is subject to change at any time.

Spring Semester 2021
RWM 4333
Laboratory Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Expectations for the class and safety orientation</td>
</tr>
<tr>
<td>2</td>
<td>Identification of key wildlife forages</td>
</tr>
<tr>
<td>3</td>
<td>Identification of wildlife species</td>
</tr>
<tr>
<td>4</td>
<td>Identification of wildlife species</td>
</tr>
<tr>
<td>5</td>
<td>Habitat management and walkabout</td>
</tr>
<tr>
<td>6</td>
<td>Wildlife habitat management</td>
</tr>
<tr>
<td>7</td>
<td>Wildlife habitat management</td>
</tr>
<tr>
<td>8</td>
<td>Lab Quiz #1</td>
</tr>
<tr>
<td>9</td>
<td>Wildlife habitat management</td>
</tr>
<tr>
<td>10</td>
<td>Leopold's tools (cow)</td>
</tr>
<tr>
<td>11</td>
<td>Leopold's tools (plow)</td>
</tr>
<tr>
<td>12</td>
<td>Leopold's tools (axe)</td>
</tr>
<tr>
<td>13</td>
<td>Leopold's tools (fire)</td>
</tr>
<tr>
<td>14</td>
<td>Leopold's tools (gun)</td>
</tr>
<tr>
<td>15(5/5)</td>
<td>Final Lab Quiz #2</td>
</tr>
</tbody>
</table>

Labs for this class are designed as an extension of various lecture periods whereas at other times the material/topics covered will serve as standalone topics.

IMPORTANT: Lab topic by date is subject to change at any time.