BSC 338 Wildlife Management Techniques

I. General Information
Course syllabus: Fall 2019
Credits: 3 sch
Instructor of record: Johanna Delgado Acevedo, Ph.D.
Office: Science Building (STC) 262
Office hours: MW 2:00-3:30
Phone: 903.468.3333
Fax: 903.886.5997
Email: johanna.delgado-acededo@tamuc.edu


II. Course Description
This class will develop the principles and techniques for managing wildlife populations. Topics covered will include experimental design, hypothesis testing, scientific writing, techniques for capturing and marking wildlife, age and sex determination, parameter estimation (population size, density, survival, etc.), radio-telemetry, home range and resource selection. Students enrolled in this course must be willing to participate in a field-based classroom research project when and where feasible.

III. Student Learning Objectives
To understand principles and techniques for managing wildlife
To understand and apply basic concepts of wildlife techniques used in the laboratory and the field.
To collaborate and work on teams.
To develop a reading tradition.
To develop communication skills and clarity to present ideas and explain them in public.

IV. Learning strategies
Reading assignments
Analysis of scientific literature
Individual work, analysis of free reading
Written synthesis of information

V. Assumptions, Expectations, Philosophy
University students are a select group of students soon to be professionals.
Instructors can have high expectations of student performance.
Demanding courses benefit students more than easy courses.
Assignments are due on time unless you have made a prior arrangement with
me (only granted for unusual or extenuating circumstances and in case of health issues proper medical excuse is required. Reading and assimilating information is a critical part of your current and continuing education. This will help you become a better writer, a more rounded individual, and expose you to subjects outside of your immediate knowledge

VI. Tentative schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>WEEK 1</td>
<td>Defining wildlife and wildlife management in North America</td>
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<td>The history of wildlife management</td>
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<td>WEEK 2</td>
<td>The wildlife professional</td>
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<td>Human dimensions of wildlife</td>
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<td>WEEK 3</td>
<td>Structure decision making</td>
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<td>Scale in wildlife management: the difficulty of extrapolation</td>
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<td>WEEK 4</td>
<td>Wildlife populations dynamics</td>
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<td>Diseases and parasites</td>
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<td>WEEK 5</td>
<td>Hunting and trapping</td>
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<td>WEEK 6</td>
<td>Impacts of weather and accidents in wildlife</td>
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<td>WEEK 7</td>
<td>Nutritional Ecology</td>
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<td>WEEK 8</td>
<td>Water and other welfare factors</td>
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<td>Predator-prey relationships and management</td>
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<td>WEEK 9</td>
<td>Animal behavior</td>
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<td>WEEK 10</td>
<td>Habitat</td>
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<td>Wildlife restoration</td>
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<td>WEEK 11</td>
<td>Climate change and wildlife</td>
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<td>WEEK 12</td>
<td>Conservation planning for wildlife and wildlife habitat</td>
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<td>WEEK 13</td>
<td>Managing populations</td>
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<td>WEEK 14-16</td>
<td>Review and Presentations</td>
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VII. Course Requirement and Evaluation Method
Assignments, quizzes, and research paper are required. I encourage student contribution to the overall progress of the group. I encourage interactive participation even though is an online class. It is necessary that students have a professional and ethical behavior through the entire course.

Homework, quizzes, exams, concept implementation project and term paper are required.
It is necessary that students have a professional and ethical behavior through the entire course.

Grade basis:
3 exams (300 points)
5 assignments (50 points)
1 research project (100)
Total 450 points

Penalty enforcement (I reserve the right to adjust your grade for violation of the minimum expectations).
Make-up quizzes will only be given if arrangements are made with the instructor before missing the scheduled quiz. A documented excuse will be required. Otherwise, missing quizzes will be counted as zeroes in the overall grade computation.

Grading Scale:
90.0 – 100% = A
80.0 - 89.9% = B
70.0 - 79.9% = C
60.0 – 69.9% = D
<60.0% = F

Assignments (5)
Journal articles
Reading and assimilating information is a critical part of your current and continuing education. For each assign date, a journal is named in the right column of the table, choose and read a paper from that journal that you find interesting or relevant. These journals are available in our library (online resources). On that date, provide me a citation and a short description of the paper (10 sentences). Each summary will follow the format of Journal of Wildlife Management.
Research project and presentation:
You will develop a research project (literature review) on a specific technique or set of techniques to study Wildlife. You should include an introduction, methodologies used to study your topic, results, and discussion. The research project will have at least 2,500 words including references. The project will be due the last day of class. You will present your research project in a 5-minutes presentation and submit it in the assigned dropbox along with the written part.

VIII. Course and University and Policies

Responsible Use of Technology — It is expected that all students will only use cellphones, PDAs, laptop computers, MP3 players and other technology outside of class time or when appropriate in class. Answering a cell phone, texting, listening to music or using a laptop computer for matters unrelated to the course may be grounds for dismissal from class and/or other penalties. Students are not allowed to use image, video, nor audio recording devices of any kind during class time without prior consent of the instructor.

University Specific Procedures:
ADA Statement-Students with Disabilities:
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services Texas A&M-Commerce
Gee Library
Room 132
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
StudentDisabilityServices@tamuc.edu

Nondiscrimination Notice
Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from
discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Student Conduct
All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment.

Campus Concealed Carry - Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to (http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf) and/or consult your event organizer. Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.