

NRM 5328
Principles of GAME MANAGEMENT

Lecture times: Web

Instructor: Dr. Ryan Luna

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Office hours: TBA—call/email as needed

Text: Optional:

Fryxell, Sinclair, and Caughley. 2014. Wildlife ecology, conservation, and management. Third Edition, Blackwell Publishing, Malden, Massachusetts. (Recommended, but not required)—can also use 2nd edition

Catalog description: This course is an application of the principles of wildlife management to game species with a focus on the biology and behavior of big game, waterfowl, and upland bird species, and how this influences habitat management, production, population characteristics, and management strategies for each species.

Course objective: To provide a general overview of: (1) the ecology and conservation strategies of large mammals of North America; (2) the practices commonly used to manage big game species in North America.

Grading: Exam 1 – 20%
Exam 2 – 20%
Exam 3 – 20%
Species profiles – 25%
Reports – 15%

Scale: 90 -100% = A
80 – 89% = B
70 – 79% = C
60 – 69% = D
< 60% = F

Attendance: No make-up quizzes, assignments, or exams will be given unless prior approval is obtained.

Species profiles: Each student will select one big game species that occurs in the Southwestern United States to profile. Once a species has been selected, the student will conduct a literature review of the species. A bibliography (15 citation minimum, must be peer reviewed) is due on the **first week of October**. Using their respective bibliographies, each student will write an 8-10 page paper on the life history of the species as it relates to the Southwest. The final draft is due on the **first week of December**.

Accommodations: It is up to Sul Ross State University to provide reasonable accommodations to students with disabilities. If you would like to request such accommodations because of physical, mental, or learning disabilities please contact the ADA coordinator for Program Accessibility located in Room 206 of the Briscoe Administration Building, or call 432-837-8203.

Program learning objectives:

Program Learning Outcomes for the **M.Agr. in Range and Wildlife Management**

The graduating student will demonstrate that he/she is able to:

1. Apply statistical concepts and procedures to natural resource data
2. Evaluate literature and references as they apply to the natural resource field
3. Demonstrate their knowledge of the fundamentals and advanced concepts of range and wildlife management.

Program Learning Outcomes for the **M.S. in Range and Wildlife Management**

The graduating student will demonstrate that he/she is able to:

1. Apply statistical concepts and procedures to natural resource data
2. Evaluate literature and references to substantiate an applied research project.
3. Examine, select, and utilize appropriate resources, materials, and data collection instruments to implement research projects.
4. Justify and defend the research questions and design.

Academic Integrity. Students in this class are expected to demonstrate scholarly behavior and academic honesty in the use of intellectual property. A scholar is expected to be punctual, prepared, and focused; meaningful and pertinent participation is appreciated. Examples of academic dishonesty include but are not limited to: Turning in work as original that was used in whole or part for another course and/or professor; turning in another person's work as one's own; copying from professional works or internet sites without citation; collaborating on a course assignment, examination, or quiz when collaboration is forbidden.

SRSU Disability Services. SRSU Disability Services. Sul Ross State University (SRSU) is committed to equal access in compliance with Americans with Disabilities Act of 1973. It is SRSU policy to provide reasonable accommodations to students with documented disabilities. It is the student's responsibility to initiate a request each semester for each class. Students seeking accessibility/accommodations services must contact Rebecca Greathouse Wren, LPC-S, SRSU's Accessibility Services Coordinator at 432-837-8203 (please leave a message and we'll get back to you as soon as we can during working hours), or email rebecca.wren@sulross.edu. Our office is located on the first floor of Ferguson Hall (Suite 112), and our mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas, 79832.

SRSU Distance Education Statement.

Students enrolled in distance education courses have equal access to the university's academic support services, such as library resources, online databases, and instructional technology support. For more information about accessing these resources, visit the SRSU website. Students should correspond using

Sul Ross email accounts and submit online assignments through Blackboard, which requires secure login. Students enrolled in distance education courses at Sul Ross are expected to adhere to all policies pertaining to academic honesty and appropriate student conduct, as described in the student handbook. Students in web-based courses must maintain appropriate equipment and software, according to the needs and requirements of the course, as outlined on the SRSU website. Directions for filing a student complaint are located in the student handbook.

Technical Support. SRSU 24/7 Blackboard Technical Support: Toll Free: 888.837.6055.

Email: blackboardsupport@sulross.edu

SRSU Library Services.

The Bryan Wildenthal Memorial Library in Alpine offers FREE resources and services to the entire SRSU community. Access and borrow books, articles, and more by visiting the library's website, library.sulross.edu. Off-campus access requires your LoboID and password. Check out materials using your photo ID. Librarians are a tremendous resource for your coursework and can be reached in person, by email (srsulibrary@sulross.edu), or phone (432-837-8123).

The Southwest Texas Junior College (SWTJC) Libraries at Uvalde, Del Rio, and Eagle Pass.

Offer additional access to library spaces and resources. Del Rio, Eagle Pass, and Uvalde students may also use online resources available through SWTJC website, <https://library.swtjc.edu>. The SWTJC Libraries serve as pick-up locations for InterLibrary Loan (ILL) and Document Delivery from the Alpine campus.

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Tentative class and lab schedule for NRM 5328 – Prin of Game Management –

lectures	Subject
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1	Introductions, Syllabus, Taxonomy and Biodiversity, Hybridization
2	Human values, Population parameters
3	Modeling population dynamics, Nutritional ecology
4	Exam 1 , Carrying capacity
5	Population regulation, Behavioral ecology
6	Harvest management, TPWD management
7	Bibliography (7/21) , H-D and Conflict resolution, Genetic applications, Exam 2 (7/31)
8	Big game ranching, Big game management on Tribal land, History of big game management
9	Pronghorn
10	Desert Bighorn
11	Non-game species - Black bears and mountain lions
12	exotics – hog, elk, and aoudad
13	Mule Deer, white-tailed deer, Scoring big game
15	Final draft (8/11), Semester review, Final (8/14)
