

RWM 3331

Principles of Range Management

Lecture: MW 11 – 11:50 RAS 105

Lab: Monday 1 - 2:50, 3-4:50,
Tuesday, 1 – 2:50, 3 – 4:50 MIR 105

INSTRUCTOR: Dr. Cody B. Scott, VIN 222, 325-656-1851

Cody.scott@angelo.edu

Lab Instructor: Mark Zoeller

mzoeller@angelo.edu

Office Hours: See attached schedule; anytime my office door is open

Learning Outcome:

The objective of this course is to introduce students to the ecological principles underlying Range Management. Students will be expected to have a basic understanding of: (1) the role of range management in meeting the needs of society, (2) growth and development of individual plants, (3) tolerance/avoidance of herbivory, (4) succession and how plant communities evolve over time, (5) important management issues like determining carrying capacity and stocking rate, and (6) food and habitat selection by herbivores once the course is completed.

Each student learning outcome will be assessed independently using select questions from sectional exams.

Readings:

Readings will be assigned throughout the semester. Each reading must be read before class.

Notes:

Each student should purchase a copy of the lecture notes from the ASU bookstore. I provide each student with a copy of the notes because I believe the most efficient way for students to learn is through participation. It is very difficult to participate in class discussions or to raise questions if you are writing down every-other-statement made by the instructor. By providing notes, each student will be free to listen, think, and add to discussions in class.

As a related issue, it is important for you to attend every class and lab and actively participate in class discussions. Otherwise, you may have a difficult time passing this class. To encourage regular attendance, pop quizzes over assigned readings and lab activities may be given.

Attendance:

Each student has the opportunity to miss lecture or lab a total of 3 times. Official school trips do not count toward your absences. Coming to class and sleeping through class does count as an

absence. If you miss more than 3 class meetings, you will lose 5 points from your final grade. For each absence thereafter, you will lose 1 point/absence.

<i>Grading</i>	<i>Points</i>
Exams/Quizzes (50 pts. Each)	350
Plant Identification Quizzes	100
Morphology Lab Quiz and other laboratory assignments	150
Discussion/pop quizzes	100

Discussion/Quizzes:

We will begin each new section of the notes with a reading. I will announce the appropriate reading during class and we will discuss the article during the next meeting. Prior to attending class, there will be 3 to 7 discussion questions posted on blackboard that each student will need to answer. Those will be turned in for credit prior to our class discussion of the article.

Your grade at the end of the semester will reflect the total number of points that you have acquired. The course is designed so that you can earn a respectable grade (A or B) 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 me know. **Leave me a phone message or send me an email if you will miss class on a day that an assignment is due!** Prior notification is required if you wish to turn in an assignment late.

If you are caught cheating on any assignment in this class, you will receive a grade of zero. Angelo State University expects its students to maintain complete honesty and integrity in their academic pursuits. Students are responsible for understanding the Academic Honor Code, which is contained in both printed and web versions of the Student Handbook.

Students with disabilities (academic or physical) should contact the Dean of Student Life. Thereafter, proper accommodations to the course will be made.

A student who intends to observe a religious holiday should make that intention known in writing to the instructor prior to the absence. A student who is absent from classes for the observance of a religious holiday shall be allowed to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence.

Tentative Schedule of Material and Exams

Day	Subject
8-26	Introduction, Syllabus, Overview
8-28	<i>Reading and Discussion: Warblers, vireos and tanks</i>
9-2	Holiday
9-4	Importance of Range Management
9-9	Importance of Range Management
9-11	Importance of Range Management
9-16	Quiz 1; Introduction to Planning and Science
9-18	<i>Reading and Discussion: Planning and Science (Provenza)</i>
9-23	Planning and Science
9-25	Planning and Science
9-30	Quiz 2; Introduction to Plant Autecology
10-2	<i>Reading and Discussion: Plant Autecology (Briske)</i>
10-7	Plant Autecology
10-9	Plant Autecology
10-14	Quiz 3; Introduction to Plant Synecology
10-16	Spring Break
10-21	Spring Break
10-23	<i>Reading and Discussion: Plant Synecology (Tausch et al.)</i>
10-28	Plant Synecology
10-30	Plant Synecology
11-4	Quiz 4; Introduction to Rangeland Hydrology
11-6	<i>Reading and Discussion: Rangeland Hydrology (Thurow)</i>
11-11	Hydrology and Grazing
11-13	Quiz 5; Introduction to Grazing Management
11-18	<i>Reading and Discussion: Grazing Systems (Taylor et al.)</i>
11-20	Grazing Systems, Stocking Rates
11-25	Grazing Systems, Stocking Rates
11-27	Happy Turkey Day!
12-2	Quiz 6; Introduction to Diet Selection
12-4	Reading and Discussion: Diet Selection (Provenza)
12-11	Final Exam (Quiz 7) @10:30

Week	Lab Activity
1	No Lab
2	Plant ID
3	Plant Identification (Grasses)
4	I.D. Quiz of Grasses ; Review Important forbs and Shrubs
5	I.D. Quiz of Important Forbs and Shrubs
6	No Lab
7	Plant Morphology and Physiology (Morpho. Quiz)
8	Range Site, Range Inventory, and Succession
9	Effects of Grazing on Infiltration, Erosion, and Soil Quality
10	Determining Stocking Rates
11	Determining Stocking Rates (Stocking rate quiz)
12	Range Inventory
13	Range Inventory
14	Range Improvements
15	Range Improvements

Faculty Member: Cody B. Scott

Semester: Fall

Year: 2019

Hours	Monday	Tuesday	Wednesday	Thursday	Friday
8:00-8:50	Office Hours	Office Hours	Office Hours	Office Hours	RWM 6340 VIN 263
9:00-9:50	Office Hours	Office Hours	Office Hours	Office Hours	
	Office Hours	ASCI 4345	Office Hours	ASCI 4345	
10:00-10:50	Office Hours	HHS 130	Office Hours	HHS 130	
11:00-11:50	RWM 3331 RAS 105	Lunch	RWM 3331 RAS 105	Lunch	
12:00-12:50	Lunch		Lunch		
1:00-1:50	RWM 3331 Labs	RWM 3331 Labs			
2:00-2:50					
3:00-3:50					
4:00-4:50					
5:00-5:50					