

Dakota College at Bottineau Course Syllabus

Course Prefix/Number/Title: RNG 236 Introduction to Range Management

Number of Credits: 4 semester credits

Course Description: Principles of range management which includes plant identification, range evaluation, and range improvements.

Pre-Co-requisites: BIOL 120, BOT 212, or instructor approval

Range plant physiology and ecology, range inventory and monitoring, grazing systems, stocking rates, grazing distribution, range wildlife management, manipulation of range vegetation, rangeland types and management, management of public rangelands, range ecosystem analysis and computer applications

Course Objectives: Demonstrate an understanding and proficiency in the following:

1. Ecology of range plants and range plant communities (Goal 7).
2. Grazing and grazing management (Goal 7).
3. Wildlife management on rangelands (Goal 7)
4. Methods to manipulate range vegetation (Goal 7)
5. Range plant identification (Goal 7).
6. Societal issues influencing management of public rangelands (Goal 7).

Instructor: C.L. Lura, Ph.D.

Office: NSC 114

Office Hours: WMF 9:00-10:00 & 2:00-3:00

Phone: (701) 228-5472

Email: charles.lura@dakotacollege.edu

Lecture/Lab Schedule: Fall semester

Textbook(s): Holocheck, J.L., R.D. Pieper, and C.H. Herbel. 2011. Range Management-principles and practices. 6th Edition. Prentice Hall.

Course Requirements:	4 Hour Exams @ 100 pts. ea.	400 pts.
	Plant identification	100 pts.
	Labs/quizzes/assignments	<u>100 pts.</u>
	TOTAL POINTS	600 pts.

A = 100-90%

B = 89-80%

C = 79-70%

D = 69-60%

F = below 60%

Tentative Course Outline:

INTRODUCTION TO RNG 236 RANGE MANAGEMENT TENTATIVE SYLLABUS FALL 2014

DATE	TOPIC	TEXT
Aug 27-29	Introduction, overview, significance	Chapter 1-3
Sep 1-5	Monday September 1 – Labor Day Range plant physiology and ecology	5,6
Sep 8-12	Range plant physiology and ecology continued	5,6
Sep 15-19	Range inventory and monitoring FIRST HOUR EXAM FRIDAY SEPTEMBER 19	7
Sep 22-26	Stocking rate and grazing systems	8,9
Sep 29-Oct 3	Grazing systems continued, grazing distribution	9,10
Oct 6-10	Animal nutrition and production Wednesday, October 8: Assessment Day-No Class SECOND HOUR EXAM FRIDAY OCTOBER 10	11
Oct 13-17	Range wildlife management	14
Oct 20-24	Range wildlife management continued	14
Oct 27-31	Manipulation of rangeland vegetation	15
Nov 3-7	Manipulation of rangeland vegetation continued	15
Nov 10-14	Tuesday, November 11 – Veteran’s Day Manipulation of rangeland vegetation continued THIRD HOUR EXAM, Friday November 14	15
Nov 17-21	Rangeland types and management	4
Nov 24-28	Rangeland management for multiple use THANKSGIVING BREAK Thursday & Friday 27-28	12
Dec 1-5	Management of public lands: science and politics	selected readings
Dec 8-12	Contemporary issues in rangeland management FINAL EXAM FRIDAY DECEMBER 12	selected readings

General Education Goals/Objectives:

Goal 1: Explains the interrelationships between humans and their environment and the role of science in their lives

Goal 2: Demonstrates knowledge and application of technology

Relationship to Campus Theme: Class presentation and discussion on how technological developments (e.g. computer programs) affect the science of range management.

Classroom Policies: Regular attendance and participation in lab and lecture is expected. All make-up exams will include a significant essay/short answer component and must be made up within one week of the students return to class unless prior arrangements have been made.

Academic Integrity: Cheating on a test, quiz, or other assessment results in zero points for the assessment.

Disabilities and Special Needs: Any accommodations due to a learning disability must come through the Dakota College Learning Center. If you have a diagnosed learning disability, you need to contact the Learning Center in Thatcher 1104 or phone (701) 228-5477.

Student Email Policy

Dakota College at Bottineau is increasingly dependent upon email as an official form of communication. A student's campus-assigned email address will be the only one recognized by the campus for official mailings. The liability for missing or not acting upon important information conveyed via campus email rests with the student.