Dakota College at Bottineau Course Syllabus

Course Prefix/Number/Title: ARSC 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: chuck.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	100 pts.
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 2012

DATE	TOPIC	TEXT
8/22-8/24	Introduction, overview, significance	Chapter 1-3
8/27-8/231	Range plant physiology and ecology	5,6
9/3-9/7	**Monday September 3 – Labor Day** Range plant physiology and ecology continued	5,6
9/10-9/14	Range inventory and monitoring **FIRST HOUR EXAM FRIDAY SEPTEMBER 14**	7
9/17-9/21	Stocking rate and grazing systems	8,9
9/24-9/28	Grazing systems continued, grazing distribution	9,10
10/1-10/5	Animal nutrition and production **Wednesday, October 3: Assessment Day-No Class** **SECOND HOUR EXAM FRIDAY OCTOBER 5**	11
10/8-10/12	Range wildlife management	14
10/15-10/19	Range wildlife management continued	14
10/22-10/26	Manipulation of rangeland vegetation	15
10/29-11/2	Manipulation of rangeland vegetation continued	15
11/5-11/9	Manipulation of rangeland vegetation continued **THIRD HOUR EXAM, Friday November 9**	15
11/12-11/16	**Monday November 12 – Veteran's Day** Rangeland types and management	4
11/19-11/23	Rangeland management for multiple use **THANKSGIVING BREAK (Thurs & Fri, 22-23)**	12
11/26-11/30	Management of public lands: biology and politics	selected readings
12/3-12/7	Contemporary issues in rangeland management **FINAL EXAM FRIDAY DECEMBER 7**	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.