

Course Requirements:

The grade for this course will be determined as follows:

A midterm and a final exam each worth 150 points.

1. Midterm Exam Week of February 25
2. Final Exam Week of May 1, 2008

A grazing management plan will serve as a capstone activity. This term project is worth 150 points. Online quizzes will be given each week and will be worth 25 points each. Online participation in discussion boards will be used as a means of stimulating class interaction. Participation in online discussion will be monitored through the number and depth of comments posted.

The grade scale based on % of total available points accumulated will be as follows:

Points for Class

Exams	300
Discussion	100
Quizzes	300
Project	<u>150</u>
	850

A	90-100
B	80-89
C	70-79
D	60-69
F	BELOW 60

Class Policy:

It is mandatory that you take quizzes within the allotted time frame. Quizzes and tests must be taken at regularly scheduled times. Feel free to contact me at any time. We will post a discussion board to discuss topics during the semester. No makeup quizzes or exams will be posted.

Any academic dishonesty will result in the student receiving an "F" in the course.

The University of Tennessee at Martin
Department of Agriculture and Natural Resources
Spring 2008

Course Outline

Topic	Chapter
I. Introduction to Grazing Management	1
A. Why?	
B. What?	
C. How?	
II. Resource Inventory	12
A. Evaluation	
B. The Soil Resource	
C. The Forage Resource	
D. The Animal Resource	
III. Soils and Pasture Nutrient Cycling	5
A. Soil Characteristics	
B. Manure Distribution	
C. Soil Sampling Considerations	
D. Fertilization Strategies	
IV. Forage Growth and Quality	4,5
A. Forage Growth Cycle	
B. Plant Morphology	
C. Plant Physiology	
D. Plant Anatomy and Forage Quality	
V. Nutritional Needs of Grazing Livestock	2
A. Water	
B. Energy	
C. Protein	
D. Minerals	
VI. Matching Pasture and Animal Resources	3,10
A. Pasture Resource	
B. Animal Resource	
C. Forage-Animal Plans	
D. Monitoring Nutrition	

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Course Outline - Continued

Topic	Chapter
VII. Basics of Grazing Management	6,7,9
A. Grazing Behavior	
B. Spatial Patterns of Grazing	
C. Plant Selection	
VIII. Pasture Improvement	16
A. Pasture Fertility	
B. Species Diversification	
C. Weed Control	
D. Grazing Management	
E. Extending the Grazing Season	
IX. Layout and Design of Grazing Systems	14,15
A. Types of Grazing Systems	
B. Guidelines for System Layout	
C. Planning the System	
X. Graziers Arithmetic	11,13
A. Carrying Capacity	
B. Grazing Intensity	
XI. Manipulating Grazing Distribution	8
A. Water	
B. Minerals	
C. Shade	
XII. Grazing Economics	
A. Enterprise Budgeting	
B. Enterprise Economics of Various Grazing Systems	
C. Factors Affecting Grazing Profits	