



- d) Students will produce a final project that represents the highest quality work of their career
- e) Students will read and study outside of class

**9. This course is a work in progress**

- This course will evolve yearly to support the department’s curriculum, incorporate students’ suggestions, and include interests/ideas of the instructors. As a result, some material may not coincide with previous or subsequent lectures.
- My goal is to provide the most useful and engaging instruction possible. Therefore, I encourage constructive criticism, alternatives ,and suggestions to improve the course.

**10. Grading and evaluation:**

- Three exams
- Announced and/or unannounced quizzes
- Homework problem sets (if late, 10% discount per day late)
- Management Paper – due December 1 by 5 pm (if late, 5% discount per day late)

- Weighting for grades:

3 Exams	60%
Quizzes	10%
Homework	10%
Management Paper	10%
<u>Oral Presentation</u>	<u>10%</u>
	100%

- Grading:

A	93.0 or higher	C+	76.0 to 79.9
A-	90.0 to 92.9	C	73.0 to 75.9
B+	86.0 to 89.9	C-	70.0 to 72.9
B	83.0 to 85.9	D	60.0 to 69.9
B-	80.0 to 82.9	F	Less than 60.0

  - Please communicate with me **as soon as possible** if you know that you will be **unable to attend** any lectures or labs during the semester.

**11. Additional library resources** to supplement the information provided in class and in discussion/lab sessions that will especially be of value in development of a first-rate management paper:

- Cattle Feeding – A Guide to Management, Albin and Thompson (SF203.C377)
- The Evolving Science of Grassland Improvement, Humphreys (SB199.H84)
- Factors Affecting Calf Crop, Fields and Sand (SF201.F33)
- Forages – Vol. I and II, Barnes, et al. (SB193.F64)
- Holistic Management, Savory (HC79.E5.S2823)

**12. Field trip**

- A field trip will be taken to visit a beef operation and organizations representing varying aspects and phases of beef production. **Attendance is required.** If you are absolutely not able to attend, you will be required to write a 7-page report on a selected current topic in the beef industry using at least 3 scientific articles plus others from popular press.
- The date for the field trip will be announced no later than the third week of class.

### 13. Participation

- Students who are positive, proactive, engaged in the course, problem solvers, and respectful of due dates will gain the most from this course, and will get the best grades.

### 14. Lecture and laboratory topics to be addressed:

Topic
Welcome, syllabus, course overview
Introduction to beef production
<u>Lab</u> : Data capture and record keeping chute side
Student information form
Beef Industry background and overview
Beef industry structure and statistics
<u>Lab</u> : BQA Chute-Side
Breeding for Profit
Genetic prediction, selection, and indexes
<u>Lab</u> : Forage Sampling
<b><u>Due</u></b> : Identification of management paper team and ranch
Seedstock production
Beef demand, consumption, trends, and industry issues
<u>Lab</u> : Ultrasound and Backfat Determination
Cow/calf production
Factors affecting reproduction
Synchronization and AI
<u>Lab</u> : <b>Exam #1</b>
Cow nutrition
Cow rations and extending grazing
<u>Lab</u> : Computer ration development
Grazing concepts
Public lands grazing
<u>Lab</u> : Ranch Tour
Heifer development
Heifer development strategies
<u>Lab</u> : What info do I need to get a Loan from the Bank?
Economics of beef production
Economics of beef production
<u>Lab</u> : Replacement female evaluation/ Feeder Cattle
TBA guest lecture
National Beef Quality Audits
<u>Lab</u> : <b>Exam #2</b>
Supply chains and alliances
National Market Cow and Bull Beef Quality Audits
<u>Lab</u> : Economics of Beef Production
TBA guest lecture

Herd health management
<u>Lab:</u> Herd health management chute side/trouble shooting
Student presentations on Management Plan
<u>Lab:</u> Carcass evaluation and pricing
Student presentations
Student presentations
<u>Lab:</u>
<b><u>Final Exam</u></b>

**15. Schedule changes to topics or meeting locations:**

- Since not all speakers and labs have been confirmed for the entire semester, announcements will be made during lecture or lab regarding changes to presentation topics or meeting locations.