

**Title of Course:** Advanced Beef Production

**I. Catalog Description and Credit Hours:** Advanced study of beef production and management. Emphasis on the application of current business and management to improve the efficiency of beef production. Three lectures (3).

**II. Prerequisites:** AY 405 Beef Production

**III. Purpose or Objectives of the Course:**

At the completion of the course, the student(s) should be able to:

- A. Express the concepts of animal management systems.
- B. Identify, evaluate, and propose beef operation options involving facilities, health and nutrition.
- C. Understand USA Beef markets.
- D. Develop viable beef business operation plans.

**IV. Expectations of Students:**

- A. Become familiar with the principles of beef management and the management of beef operations.
- B. Become familiar with selected beef farm/ranch system operations standard to the industry.
- C. Preparation of beef management business plans.
- D. Prepare and perform an individual beef management project.
- E. Participate in forums involving beef management topics.

**V. Course Content or Outline:**

Topics that will be covered in class.

- A. General Introduction (Week 1)
- B. U.S. Beef Industry (Week 2-5)
  - a. Marketing
  - b. Futures
  - c. Resources
- C. Management Systems (Week 6-8)
  - a. Commercial (Feeder, Cow/calf)
  - b. Purebred
  - c. Seedstock
  - d. Feedlot
- D. Operation Options (Week 9-12)
  - a. Facilities (Equipment, Handling)
  - b. Herd Health (Vaccination protocols, Disease treatment protocols)
  - c. Nutrition (Forages, Concentrated)
- E. Retail Options (Week 13-14)
  - a. Age and Source Verified (Export Markets)
  - b. Top Choice Boxed Beef Programs (Certified Angus Beef, Grassfed, Organic, Nolan Ryan's Beef, Laura's Lean Beef)
  - c. U.S. Markets
- F. Business Plans (Week 15)

**VI. Textbooks and Other Required Materials:**

*Beef Production Management and Decisions*. By Tom G. Field; Prentice Hall: Upper Saddle River, NJ. Fifth Edition, copyright 2007.

Internet Resources to be provided

**VII. Basis of Student Evaluations:**

**Tests:**

3 Tests and 1 final. The tests throughout the semester will be worth 100 points each while the final will be 200 points of the grade.

**Project:**

One group project will be assigned at the beginning of the semester; it will be due near the end of the semester and require you to incorporate many of the topics covered throughout the class. More specific information will be given about the project it will contribute 100 points to your final grade.

**Forum:**

On-line forum discussion will be used occasionally to address current topics or difficult subjects. This will be a percentage of your class participation grade. If you have a topic you would like addressed please send it to the instructor.

**Participation:**

Participation is crucial to this class. Contributing to class discussions and activities will be assessed throughout the semester. Total participation points will equal 25 points towards your final grade.

**Makeup Work and Late Assignments:**

Tests missed for a school activity or documented illness can be made up within a reasonable time after missing the work. Quizzes will be open for multiple days on-line and thus there will not be make up work or late work for these assignments, if there are extenuating circumstances please let the instructor know.

**FINAL COURSE GRADING**

**Letter Grade Distinctions:**

≥ 90%	= A
80%-89.9%	= B
70%-79.9%	= C
60%-69.9%	= D
≤ 59.9%	= F

**Grading Summary:**

625 points total  
300 points-Tests  
200 points- Final  
100 Points- Project  
25 points- Participation

**VII. Instructor of the Course.** The instructor of this course should have advanced study (MS or PhD in Animal Science or Veterinary Medicine (DVM)).

## **Expectations and Policies**

### ***Attendance:***

While attendance per se cannot be required of students, there are consequences associated with absences and policies governing excused- and non-excused absences. The official statement about attendance, derived from the Undergraduate Bulletin, may be accessed at: <http://www.semo.edu/bulletin/pdf/2006Bulletin.pdf>.

Students are expected to be present at examination times. If a student is absent for an examination then a Medical Doctor's excuse is expected. If a student knows that they have an appropriate personnel issue prior to the examination, then a private discussion with the instructor may result in an alternative examination schedule. All assignments will have a substantial lead time and therefore the expectation is that all assignments will be submitted at the assigned times.

### ***Academic Honesty:***

The Undergraduate Bulletin defines academic dishonesty as "...those acts which would deceive, cheat, or defraud so as to promote one's scholastic record...", and states that "[v]iolations of academic honesty represent a serious breach of discipline and may be considered grounds for disciplinary action, including dismissal from the university".

The official statement about academic honesty, including plagiarism, may be accessed at: <http://www.semo.edu/bulletin/pdf/2006bulletin.pdf>.

Additional information may be accessed at: <http://www6.semo.edu/judaffairs/>

In this course, many of the assignments require students to perform work outside of the regularly assigned class schedule; therefore, in this course it is permitted that students may gather collectively to discuss and organize their study approaches and scholastic efforts. The writing of papers, projects, manuscripts, laboratory reports and allied materials must, however, be the independent work of each student.

### ***Civility and Harassment:***

A successful educational experience requires the all students and instructors possess a shared sense of respect for all participants. Judicial Affairs is responsible for addressing such matters and that information is available at: <http://www6.semo.edu/judaffairs/>

### ***Disabilities:***

Diversity in all its forms merit the respect of the faculty, and this applies equally to students with disabilities. While it is the responsibility of the student to inform the faculty of any physical or learning disabilities, the faculty should inform the students that there are policies and services available to them. Students may obtain official information about disabilities from Learning Assistance and Disability Support Services, located at: <http://www.semo.edu/cs/services/lec.htm>.