

I. COURSE INFORMATION

- A. Agriculture 260 Beef Management
- B. 3 credit hours
- C. Field, Thomas. *Beef Production and Management Decisions*. 6th ed. New Jersey: Pearson, 2018
- D. Prerequisites: None

II. COURSE DESCRIPTION

This course covers all phases of the beef cattle industry: practical application of nutrition, breeding physiology and reproduction, carcass merchandising, and related areas. Special emphasis is placed on management systems of raising, growing, and finishing beef cattle.

III. LEARNING OUTCOMES

- A. Explain approved practices in stocker, feeder, and cowherd management
- B. Discuss the use of crossbreeding in beef production
- C. Discuss the genetic principles involved in breeding animals for commercial beef production
- D. Explain approved practices involved in cattle feedlot operation
- E. Understand basic beef cattle anatomy
- F. Discuss the uses of artificial insemination and embryo transfer in today's modern type of beef industry

IV. MAJOR CONTENT AREAS

- A. Beef cattle pricing and consumption trends
- B. An overview of the U.S. beef industry
- C. Retail beef products
- D. Management decisions for beef producers
- E. Beef reproduction
- F. Beef cattle nutrition and herd health

V. ASSIGNMENTS (may include but are not limited to)

- A. Assignments
- B. Quizzes
- C. Exams
- D. Final exam

VI. EVALUATION METHODS (may include but are not limited to)

- A. Attendance and participation
- B. Assignments
- C. Activities
- D. Quizzes and exams