**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

1. **GENERAL COURSE INFORMATION**

Course Number: AGRI 1123

Course Title: Beef Cattle Production

Credit Hours: 3

Prerequisites: 1106 Principles of Animal Science

Division/Discipline: Workforce Training & Community Education/Agriculture Business Management, Beef cattle Production

Course Description: This course introduces students to beef cattle production, including the beef cow herd, stocker/backgrounder operations, and feedlot enterprises. Studies include understanding the biological and economic principles to sustain profitable beef cattle systems, applying these principles to permit effective decision making. Class discussion will promote understanding, communication, and cooperation among all segments of the beef industry.

1. **INSTRUCTOR INFORMATION**
2. **COLLEGE POLICIES**

Students and faculty of Barton Community College constitute a special community engaged in the process of education. The College assumes that its students and faculty will demonstrate a code of personal honor that is based upon courtesy, integrity, common sense, and respect for others both within and outside the classroom.

Plagiarism on any academic endeavors at Barton Community College will not be tolerated. The student is responsible for learning the rules of, and avoiding instances of, intentional or unintentional plagiarism. Information about academic integrity is located in the Student Handbook.

The College reserves the right to suspend a student for conduct that is determined to be detrimental to the College educational endeavors as outlined in the College Catalog, Student Handbook, and College Policy & Procedure Manual. (Most up-to-date documents are available on the College webpage).

Any student seeking an accommodation under the provisions of the Americans with Disability Act (ADA) is to notify Student Support Services via email at [disabilityservices@bartonccc.edu](mailto:disabilityservices@bartonccc.edu).

1. **COURSE AS VIEWED IN THE TOTAL CURRICULUM**

The course is designed to create a basic competency in the area of beef cattle production; including operating a beef cow herd, stocker/backgrounder operations, and feedlot enterprises. Student understanding and literacy will increase in the general area of beef cattle production and exposure of the student to the pertinent aspects of beef cattle production allows students to apply and refine concepts and information obtained in Principles of Animal Science. This course assists students in developing critical thinking in order to effectively evaluate oral and written statements regarding beef cattle production.

1. **ASSESSMENT OF STUDENT LEARNING**

Barton Community College is committed to the assessment of student learning and to quality education. Assessment activities provide a means to develop an understanding of how students learn, what they know, and what they can do with their knowledge. Results from these various activities guide Barton, as a learning college, in finding ways to improve student learning.

Course Outcomes, Competencies, and Supplemental Competencies:

1. Recognize and describe the sociological impacts of the beef cattle industry on society.
2. Describe the U.S. beef cattle industry
3. Identify opportunities in international trade for the beef cattle industry
4. List and describe beef cattle industry organizations
5. List and illustrate issues in the beef cattle industry
6. State and explain animal rights issues associated with beef cattle production
7. Relate beef consumption and expenditures to beef palatability and consumer preferences
8. Describe the concepts of integrated and holistic resource management for the beef cattle industry
9. Explain the economics important in the beef cattle industry.
10. Explain the contribution of the beef cattle industry to the U.S. economy
11. List and explain the financial resources and records pertinent to the beef cattle industry
12. Explain how to properly evaluate production records
13. Describe and demonstrate marketing decisions in the beef cattle industry
14. Demonstrate the methods for computing breakeven prices
15. Describe the budgeting process involved in the beef cattle industry
16. Describe the market channels available
17. List, describe and evaluate tools available for financial risk management
18. Explain the North American Free Trade Agreement (NAFTA) and its impact on the beef cattle industry
19. List, describe, and discuss the management decisions in each of the following beef cattle enterprises.
20. Seedstock producers
21. Commercial cow-calf producers
22. Yearling/Stocker/ Backgrounders
23. Feedlot operations
24. Apply the appropriate biological principles involved in the beef cattle industry.
25. Name and discuss the phases involved in beef cattle reproductive process
26. State, explain, and illustrate the stages in the growth and development of beef cattle
27. Explain beef cattle genetics, its importance and application to the beef industry
28. Describe proper nutrition for all levels of beef cattle enterprises
29. Examine the efficient management of forage resources
30. Explain the factors necessary for good herd health
31. List and describe cattle behavior and its application to beef cattle enterprises
32. **INSTRUCTOR’S EXPECTATIONS OF STUDENTS IN CLASS**
33. **TEXTBOOKS AND OTHER REQUIRED MATERIALS**
34. **REFERENCES**
35. **METHODS OF INSTRUCTION AND EVALUATION**
36. **ATTENDANCE REQUIREMENTS**
37. **COURSE OUTLINE**