

Ranger College

Syllabus

Fall Semester 2010

Course Number and Title: AGRI 1311 Dairy Science

Credit Hours: 3 Semester Hours – Lecture

Name of Instructor: Don Ed Eddleman

Office Location: ACAD 2

Office Hours: Tuesday, Thursday – 10:30 am. - 1:45 pm.

Email: deddleman@ranger.cc.tx.us

I. Catalog Description

1311-Dairy Science (3-0) 0109055101 Survey of the dairy industry including dairy breeds, standards for selection and culling, herd replacements, feeding, management, physiology, and health maintenance. Food value for milk, test for composition and quality, and use and processing of market milk and dairy products. Credit 3 semester hours.

II. Required Background/Prerequisites

The student should have a basic knowledge of Agriculture and its effects on the food and fiber system of the World.

III. Textbook: Reading, Materials:

All materials will be provided by instructor. Additional readings, books, and materials may be assigned.

IV. Method of Instruction

Primarily lectures supplemented by overhead transparencies, Internet sites, instructor provided handout material, daily quizzes, and tests.

V. Course Objectives

After studying the materials presented in this course the student will be able to:

1. Exhibit knowledge of dairy breeds, dairy character, processes, functions, and equipment associated with the dairy industry.
2. Identify types of milks, milk products, and other products associated with the dairy industry.
3. Explain standardization in Dairy Products.
4. Understand the Marketing system of milk and milk products.
5. Explain the importance of animal reproduction as pertaining to animal breeding, artificial insemination, embryo transfer, and cloning.
6. Identify Animal Welfare and Animal Rights.
7. Understand the uses and methods of livestock transportation, handling, identification, immunization, and restraining dairy animals.

VI. Course Calendar

Day 1 - Syllabus

Day 2 - Chapter 1 - Introduction to Dairy Industry

Day 3 - Chapter 2 - Dairy Breeds

Day 4 - Chapter 3 - Dairy Cattle Selection

Day 5 - Chapter 4 - Dairy Characteristics

Day 6 - Review Chapters 1, 2, 3, 4 for Test

Day 7 - Test 1

Day 8 - Chapter 5 - Milk- Types of Milk and Uses

Day 9 - Chapter 6 -Dairy Products-Natural and Artificial

Day 10 - Chapter 7 - Products associated with the Dairy Industry

Day 11 - Chapter 8 - Processing, Storage, and Transportation of Milk Products

Day 12 - Review Chapter 5, 6, 7, and 8 for Test

Day 13 - Test 2

Day 14 - Chapter 9 - Dairy Cattle Reproduction- Cycles, Gestation, and Parturition

Day 15 - Chapter 10 - Artificial Insemination

Day 16 - Chapter 11 - Embryo Transfer

Day 17 - Chapter 12 - Cloning

Day 18 - Review Chapters 9, 10, 11, and 12 for Test

Day 19 - Test 3

Day 20 - Chapter 13 - Methods of Dairy Livestock Transportation

Day 21 - Chapter 14 - Identification of Dairy Cattle

Day 22 - Chapter 15 - Immunization and Vaccination

Day 23 - Chapter 16 - Handling and Restraining

Day 24 - Chapter 17 - Animal Welfare and Animal Rights

Day 25 - Review Chapters 13, 14, 15, 16, and 17 for Test

Day 26 - Test 4

Day 27 - Effects of World/US Economy on Dairy Products

Day 28 - Make Up Exam

Day 29 - Review for Final

Day 30 - Review For Final

Day 31- Final Exams

VII. Course and Classroom Policies

- 1. Attendance is required of all students and will be checked at the beginning of each class period with a daily quiz. Students coming into class after the quiz has been taken up will be counted absent. Unexcused absences are counted from the first day of class as listed in the college calendar, regardless of the date of the student's registration. The only excused absence is an authorized college activity.***
- 2. Class Participation is encouraged for all class discussions.***
- 3. Work may be made up for absences due to authorized college activities. Make-up work is due within two weeks of the absence, and it is the student's responsibility to see that make-up work is completed as soon as possible. There will be ONLY One MAKE-UP EXAMS GIVEN AT THE END OF THE SEMESTER FOR THOSE WHO HAVE MISSED AN EXAM OR WISH TO MAKE UP A LOWER GRADE.***
- 4. Any student caught cheating in this class will be dropped from the class and reported to the Dean of Students.***
- 5. Students are expected to behave in a business-like manner. If the behavior of any student disrupts the class, the instructor has the right of removal. Any individual problems concerning grades, absences, etc., should be discussed with the instructor before class, after class, or by appointment.***
- 6. ADA STATEMENT: Ranger College provides a variety of services for students with learning and/or physical disabilities. The student is responsible for making the initial contact with Ranger College's Counselor. It is advisable to make this contact before or immediately after the semester begins.***
- 7. Available Student Support Services: Library, Tutors, Etc.***

VIII. Assessment – Method of Evaluating Achievement of Students

Grading Procedures

Daily Quiz — 40% of Semester Grade

Test -- 40% of Semester Grade

Semester Exam -- 20% of Semester Grade

Daily Quizzes will be given at the first of the class period

Test 1- Chapters 1-4 (Course Objectives- 1)

Test 2- Chapters 5-8 (Course Objectives- 2, 3, and 4)

Test 3- Chapters 9-12 (Course Objectives- 5)

Test 4- Chapters 13-17 (Course Objectives- 6 and 7)

Semester Exam will be Comprehensive

IIV. Admission, Employment, and program Policies of Ranger College are Non-discriminatory in regard to race, creed, color, sex, age, disability, and national origin.

The schedule and procedures in this course are subject to change in the event of extenuating circumstances

Receipt of Syllabus Form:
(Required of all students and filed by the Instructor)

Legibly print the following information:

Name: _____ **Date:** _____

**“I have received and understand the information in the syllabus for
1311 Dairy Science (3-0) 0109055101 and I agree to abide by the stated policies.”**

Signature of Student: _____