

South Plains College
Common Course Syllabus: AGRI 1311
Revised SPRING 2025

Department: Science

Discipline: Agriculture

Course Number: AGRI 1311

Course Title: Dairy Science

Available Formats: internet

Campuses: Levelland

Course Description: This course is a survey of the dairy industry, including dairy breeds, standards for selection and culling, herd replacements, feeding, management, physiology, and health maintenance. This course teaches food value for milk; tests for composition and quality; and use and processing of market milk and dairy products.

Prerequisite: None

Credit: 3 Lecture: 3 Lab: 0

Textbook: **Dairy Animal Production**
Biswajit Roy; Sudipta Ghosh
Database: eBook Collection (EBSCOhost)
Published in 2015
Type: Required resource: Link is provided to each student.

Supplies: Access to a computer and the internet. Course delivery is via Blackboard.

Core Curriculum Objectives addressed:

- **Communications skills**—to include effective written, oral and visual communication
- **Critical thinking skills**—to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- **Empirical and quantitative competency skills**—to manipulate and analyze numerical data or observable facts resulting in informed conclusions
- **Personal Responsibility**—to include the ability to connect choices, actions, and consequences to ethical decision-making.

Student Learning Outcomes:

Upon completion of this course and receiving a passing grade, the student will be able to define and understand the practical application of the following:

- Identify Breeds of Dairy Cattle
- Understand the overview of the Dairy Industry
- Understand Dairy genetics
- Understand Basic Ruminant Nutrition
- Introduced to Nutritional requirements Understand the Digestive system
- Comprehend the importance of feed quality
- Basic female reproduction and parturition
- Anatomy and Physiology of the Mammary Gland
- Milk quality
- Disease Security
- Marketing and Milk Products

Student Learning Outcomes Assessment: Comprehensive assessments and online evaluation are used to evaluate student outcomes.

Course Evaluation: Upon completion of this course and receiving a passing grade, the student will be able to:

Have a basic understanding of the learning outcomes.

Attendance Policy: Even though this is an online or hybrid class, students still have to access the course on a regular basis. The Blackboard software used to manage this course tracks student logins, tracking when and where the student has been in the course. Accessing this course on a regular basis is extremely important in order to meet the objectives of this course.

[Students are expected to attend all classes in order to be successful in a course. The student may be administratively withdrawn from the course when absences become excessive as defined in the course syllabus.

When an unavoidable reason for class absence arises, such as illness, an official trip authorized by the college or an official activity, the instructor may permit the student to make up work missed. It is the student's responsibility to complete work missed within a reasonable period of time as determined by the instructor. Students are officially enrolled in all courses for which they pay tuition and fees at the time of registration. Should a student, for any reason, delay in reporting to a class after official enrollment, absences will be attributed to the student from the first class meeting.

Students who enroll in a course but have "Never Attended" by the official census date, as reported by the faculty member, will be administratively dropped by the Office of Admissions and Records. A student who does not meet the attendance requirements of a class as stated in the course syllabus and does not officially withdraw from that course by the official census date of the semester, may be administratively withdrawn from that course and receive a grade of "X" or

“F” as determined by the instructor. Instructors are responsible for clearly stating their administrative drop policy in the course syllabus, and it is the student’s responsibility to be aware of that policy.

It is the student’s responsibility to verify administrative drops for excessive absences through MySPC using his or her student online account. If it is determined that a student is awarded financial aid for a class or classes in which the student never attended or participated, the financial aid award will be adjusted in accordance with the classes in which the student did attend/participate and the student will owe any balance resulting from the adjustment.]

Plagiarism and Cheating: Students are expected to do their own work on all projects, quizzes, assignments, examinations, and papers. Failure to comply with this policy will result in an F for the assignment and can result in an F for the course if circumstances warrant.

Plagiarism violations include, but are not limited to, the following:

1. Turning in a paper that has been purchased, borrowed, or downloaded from another student, an online term paper site, or a mail order term paper mill;
2. Cutting and pasting together information from books, articles, other papers, or online sites without providing proper documentation;
3. Using direct quotations (three or more words) from a source without showing them to be direct quotations and citing them; or
4. Missing in-text citations.

Cheating violations include, but are not limited to, the following:

1. Obtaining an examination by stealing or collusion;
2. Discovering the content of an examination before it is given;
3. Using an unauthorized source of information (notes, textbook, text messaging, internet, apps) during an examination, quiz, or homework assignment;
4. Entering an office or building to obtain unfair advantage;
5. Taking an examination for another;
6. Altering grade records;
7. Copying another’s work during an examination or on a homework assignment;
8. Rewriting another student’s work in Peer Editing so that the writing is no longer the original student’s;
9. Taking pictures of a test, test answers, or someone else’s paper.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect on the part of the student and the instructor. Neither instructor nor student should be subject to others’ behavior that is rude, disruptive, intimidating, aggressive, or demeaning. Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

Note: The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester.

Course Outline:**Week One**

Lesson title: **Introduction to Dairy Farming**

Reading: Chapter 1

Week Two

Lesson title: **Housing**

Reading: Chapter 2

Week Three

Lesson title: **Care and Management of Calves**

Reading: Chapter 3

Week Four

Lesson title: **Care and Management of Heifers**

Reading: Chapter 4

Week Five

Lesson title: **Care and Management of Dry Cows**

Reading: Chapter 5

Week Six

Lesson title: **Care of Parturition**

Reading: Chapter 6

Week Seven

Lesson title: **Care of Lactating Cows**

Reading: Chapter 7

Week Eight

Lesson title: **Feeding Management**

Reading: Chapter 8

Week Nine

Lesson title: Feeding Management Part 2

Reading: Chapter 8 continued

Week Ten

Lesson title: Reproductive Techniques Part 1

Reading: Chapter 9

Week Eleven

Lesson title: Reproduction Part 2

Reading: Chapter 9

Week Twelve

Lesson title: Reproductive Techniques

Reading: Chapter 10

Week Thirteen

Lesson Title: Milking Management

Reading: Chapter 12

Week Fourteen

Lesson Title: Prevention and Control of Diseases

Reading: Chapter 13

Assignments

Any assignment that is not located in the testing section of Blackboard is to be submitted as an attachment (word file) through Blackboard. Assignments are due by the designated date, and will be docked 10% of point value for each day they are late, unless prior arrangements have been made.

Grading

Major Exams - 15 per semester (weekly work) @ 100 each Assignments. ~1500 semester points

Changes to this Syllabus

This is a living syllabus. The instructor reserves the right to modify the syllabus during the semester with written or email announcements. It is the student's responsibility to stay apprised of such announcements.

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For information regarding official South Plains College statements about intellectual exchange, disabilities, non-discrimination, Title IX Pregnancy Accommodations, CARE Team, and Campus Concealed Carry, please visit <https://www.southplainscollege.edu/syllabusstatements/>.