

**South Plains College**  
**Common Course Syllabus: AGRI 1419**  
**Revised SP 2020**

**Department:** Science

**Discipline:** Agriculture

**Course Number:** AGRI 1419

**Course Title:** Introductory Animal Science

**Available Formats:** conventional

**Campuses:** Levelland

**Course Description:** Scientific animal production and the importance of livestock and meat industries. Selection, reproduction, nutrition, management, and marketing of livestock. The laboratory accompanies Animal Science (lecture). Laboratory activities will reinforce scientific animal production and the importance of livestock and meat industries. Selection, reproduction, nutrition, management, and marketing of livestock.

**Prerequisite:** None

**Credit:** 4 **Lecture:** 3 **Lab:** 3

**Textbook:** Introduction to Animal Science, 5/E W. Stephen Dameron (**optional**)

**Required:** This course will utilize icevonline.com for required video viewing assignments. The cost for a semester-long subscription to iCEV is \$30.00. For information on how to purchase your subscription, please go to [www.icevonline.com](http://www.icevonline.com). You will see an example in week 1 content in Blackboard. If you have any issues signing up for iCEV, please contact icevonline directly and they will gladly give you assistance.

**Supplies:** Access to a computer, internet, and Blackboard are required.

**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
- **Teamwork Skills** - —to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
- **Personal Responsibility**—to include the ability to connect choices, actions, and consequences to ethical decision-making.

- **Social Responsibility**—to include the demonstrated knowledge and competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.

### **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:

1. Explain the role of animal agriculture in providing benefits for humankind.
2. Identify common livestock breeds and classes.
3. Define terminology specific to animal science disciplines.
4. Demonstrate understanding of fundamental animal science principles including selection, reproduction, nutrition, and health.
5. Apply animal science principles by solving common problems.
6. Identify animal issues of interest to society, and related responsibilities.
7. Apply scientific reasoning to investigate questions and utilize animal science tools to collect and analyze data and demonstrate methods.
8. Use critical thinking and scientific problem solving to make informed decisions.
9. Communicate effectively the results of scientific investigations.
10. Explain the role of animal agriculture in providing benefits for humankind.
11. Identify common livestock breeds and classes.
12. Define terminology specific to animal science disciplines.
13. Demonstrate understanding of fundamental animal science principles including selection, reproduction, nutrition, and health.
14. Apply animal science principles by solving common problems.
15. Identify animal issues of interest to society, and related responsibilities.

**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:

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

1. The place of Animals and Animal Science in the Lives of Humans
2. The Animal Industries
3. The Biological Sciences of Animal Sciences
4. Animals and Society

**Attendance Policy:**

*[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.

**Diversity Statement:** In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

**Disability Statement:** Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

**Nondiscrimination Policy:** South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

**Title IX Pregnancy Accommodations Statement:** If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To [activate](#) accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Director of Health and Wellness at 806-716-2362 or [email cgilster@southplainscollege.edu](mailto:cgilster@southplainscollege.edu) for assistance.

**Campus Concealed Carry:** Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations.

For a list of locations and Frequently Asked Questions, please refer to the Campus Carry page at: <http://www.southplainscollege.edu/campuscarry.php>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

**Course Outline:**

**Section 1:** The Place of Animals and Animal Science in the Lives of Humans

- 1.1 Introduction to the Animal Sciences
- 1.2 The value of Animals to Humanity
- 1.3 Factors Affecting World Agricultural Structure
- 1.4 Worldwide Systems of Agricultural Production
- 1.5 Food Safety and Consumer Concerns
- 1.6 Animal Welfare and Animal Rights

**Section 2:** The Animal Industries

- 2.1 Market Coordination in the Beef, Pork, and Sheep/Goat Industries
- 2.2 Beef Cattle
- 2.3 Swine
- 2.4 Sheep and Goats
- 2.5 Horses
- 2.8 Pet and Companion Animals

**Section 3:** Nutrition and Nutrients

- 3.1 Introduction to Nutrition, Nutrient Classification
- 3.2 The Gastrointestinal Tracts
  - Ruminant Nutrition
  - Monogastric Nutrition
- 3.3 Feedstuffs Classification
- 3.4 Feed Stuff and Rations

**Section 4** Physiology of Reproduction

- 4.1 Animal Reproduction
- 4.2 Female Reproductive System
- 4.3 The Estrous Cycle
- 4.4 Pregnancy and Parturition
- 4.5 Male Reproductive System
- 4.6 A.I., Embryo Transfer, and Advanced Reproductive Techniques

**Section 5:** Genetics

- 4.1 Genetics and Animal Breeding
- 4.2 Genes and Chromosomes
- 4.3 Heredity
- 4.4 Biotechnology and Genetic Engineering
- 4.5 Careers and Career Preparation in the Animal Sciences

**Grading:**

This course consists of 4 major exams @ 100 points each. Lecture exams will be 80% of your grade. Weekly lab work and quizzes will constitute 20% of your grade.