

# AGRI 1419 — Introductory Animal Science

## Frank Phillips College

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### General Course Information

Credit Hours: 4

General Education Core Curriculum Course

### Prerequisite

N/A

### Course Description

Scientific animal production and the importance of livestock and meat industries. Selection, reproduction, nutrition, management, and marketing of livestock. The laboratory aspect will reinforce scientific animal production and the importance of livestock and meat industries.

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### Learning Outcomes:

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

### Core Objectives Required for Life and Physical Sciences Courses

Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method.

Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

- **Critical Thinking Skills** – to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- **Communication Skills** – to include effective development, interpretation and expression of ideas through written, oral and visual communication
- **Empirical and Quantitative Skills** – to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
- **Teamwork** – to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

<b>Required Core Objective</b>	<b>Activity Related to Core Objective</b>
Communication – to include effective development, interpretation, and expression of ideas through written, oral, and visual communication	Students will complete a writing assignment related to Animal Agriculture in which they will demonstrated effective development, interpretation, and expression of ideas. They will be evaluated by answering a series of questions and the Communication LEAP rubric.
Communication – to include effective development, interpretation, and expression of ideas through written, oral, and visual communication	Students will complete an assignment that demonstrates effective written communication in relation to Scientific Animal Agriculture. They will indicate a mastery of effective development, interpretation, and expression of ideas.
Communication – to include effective development, interpretation, and expression of ideas through written, oral, and visual communication	Students will experience visual and oral communication through various media in the classroom/lab setting and will demonstrate an ability to communicate through oral and written media.
Critical Thinking Skills – to include creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information	Students will complete a 3 page writing assignment pertaining to Scientific Animal Agriculture assigned by the Instructor utilizing creative thinking, inquiry, analysis, and evaluation skills.
Critical Thinking Skills – to include creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information	Students will utilize creative thinking, innovation, inquiry, analysis, and evaluation on an original research topic assigned by the Instructor.
Critical Thinking Skills – to include creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information	Students will analyze, evaluate and synthesize a procedure utilized in Scientific Animal Agriculture in a lab setting
Empirical and Quantitative Skills – to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions	Students will complete a writing assignment addressing a current event relating to Scientific Animal Agriculture
Empirical and Quantitative Skills – to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions	Students will complete an assignment or quiz relating to the practices, procedures, and formulas utilized in Animal Agriculture.
Empirical and Quantitative Skills – to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions	Students will construct an article review after reading an article assigned by the Instructor pertaining to Animal Science
Teamwork – to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal	Students will construct and present a group assignment after conducting their own research on a topic assigned by the Instructor relating to Scientific Animal Science

Required Core Objective	Activity Related to Core Objective
Teamwork – to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal	Students will work in groups to complete assignments in lab settings that demonstrate an ability to work as a team to meet a common goal and demonstrate effective communication, critical thinking, and empirical and quantitative skills. The lab is the setting in which the students’ mastery of course and core competencies will be most effectively demonstrated.
Teamwork – to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal	Students will complete an evaluation of the teammates in their particular group project and address the contribution of each person to the success of the collective group

### Methods of Evaluation

Grades will be comprised of homework assignments, exams, quizzes.

Grading System	Percentage
A	90% to 100%
B	80% to 89%
C	70% to 79%
D	60% to 69%
F	59% and below

### Academic Honesty and Integrity

Students attending Frank Phillips College are expected to maintain high standards of personal and scholarly conduct. Academic dishonesty including, but not limited to, cheating, collusion (working with anyone else to produce work for which you take credit without the professor’s permission), utilizing resources such as books and notes for a test without the professor’s permission, and plagiarism is considered a serious offense and may result in disciplinary actions including:

- A grade of 0 for the test or assignment
- A semester grade of F for the course
- Administrative withdrawal from the course
- Academic suspension
- Notation of the student’s transcript of “Academic Dishonesty.”
- \*\*\*Faculty members have the right to assign a failing grade to a student who is guilty of academic dishonesty at any point during a semester. Faculty members may prohibit a student from dropping a course when academic dishonesty is discovered. However, if a student has dropped the course in accordance with the rules and dates applied to dropping a course and prior to the discovery of academic dishonesty, the grade of W will stand. Students currently enrolled in a course and students who have completed a course (A, B, C, D, CT, and I) may have a grade changed to an F if academic dishonesty is discovered. The faculty member must notify the student of the change to the final grade within one week of facilitating the change. The student will have the opportunity to appeal the final grade change according to the college policy stated in the catalog.

### **Class Attendance**

Regular attendance is necessary for satisfactory achievement. Therefore, it is the responsibility of the student to attend class in accordance with requirements of the course as established by the instructor.

Students will be excused from class without penalty when either representing the college in an approved activity or having an approved reason for not attending. Reasons for absences must be approved by the instructor of the course. These exceptions do not relieve the student of the responsibility of making up the missed work as designated by the instructor concerned.

**Students who enroll in one or more college-preparatory course(s) because of TSI deficiency will be administratively withdrawn from all classes if the course in which they are excessively absent is their only preparatory course.** For a student enrolled in more than one preparatory course, the student may be dropped from only the course affected by absences.

Any student who is absent from classes for the observance of a religious holy day shall be allowed to take an examination or complete an assignment scheduled for that day, provided that proper notification of the absence is given to the instructor of the course missed. The student should notify the instructor within the first fifteen (15) days of the semester that he or she intends to be absent on the specified holy day.

### **Cell Phones and Other Electronic Devices Procedure:**

Cell phones and electronic devices in the classroom create a distraction for both students and faculty. Cell phones are also considered suspicious during test taking. Therefore, Frank Phillips College outlines the procedure for handling cell phone usage in a classroom as follows:

1. First Offense: the student will be warned verbally by the instructor to turn off the cell phone or electronic device or by appropriate administrative personnel at distance sites. The instructor will make a notation of the infraction.
2. Second Offense: the student will be asked to leave the class period for the day and will receive zeros for any work done in class on that day; a student receiving instruction through remote connection at an off-campus site will be required to attend the class face to face in Borger from this class date forward.
3. Third Offense: the student will be administratively withdrawn from the class in which the infraction occurred and will receive no refund for the class.

Students should leave the college's main number with an appropriate contact in case of an emergency.

Borger: (806) 457-4200, ext. 0 or 886-5047 after hours

Perryton: (806) 648-1450

Dalhart: (806) 244-7669

### **Grievance Policy**

If you have a dispute concerning your grade or policies in this class, it is your responsibility to FIRST contact the instructor, either by e-mail or in person, to discuss the

matter. Should things remain unresolved after this initial contact, please follow the procedures described in the Academic Policies section of the Frank Phillips College Catalog. In the vast majority of cases, the matter can be resolved at the instructor/student level, and learning to communicate your concerns in a civilized manner is part of the college experience.

### **Important Information**

Frank Phillips College is a Microsoft Office Campus. You must submit your electronic assignments in Microsoft Office programs only. If you do not have Microsoft Office, you may use one of the computer lab sites on campus for your class work.

**Disclaimer:** This is just a guide for procedure in this class. Topics and grading can change any time at the discretion of the instructor.

### **Scans/Or Core Competencies That Will Be Addressed in the Class**

#### **Resources:**

Allocates Time  
Allocates Money  
Allocates Material & Facility Resources

#### **Interpersonal:**

Participates as a Member of a Team  
Teaches Others  
Serves Clients/Customers  
Exercises Leadership  
Negotiates to Arrive at a Decision  
Works with Cultural Diversity

#### **Technology:**

Selects Technology  
Applies Technology  
Maintains & Troubleshoots Technology

#### **Basic Skills:**

Reading  
Writing  
Arithmetic  
Mathematics  
Listening & Speaking

#### **Information:**

Acquires & Evaluates Information  
Organizes & Maintains Information  
Uses Computers to Process Information

#### **Thinking Skills:**

Creative Thinking  
Decision Making  
Problem Solving  
Seeing Things in the Mind's Eye  
Knowing How to Learn  
Reasoning

#### **Systems:**

Understands Systems  
Monitors & Corrects Performance  
Improves & Designs Systems

#### **Personal Qualities:**

Responsibility  
Self-Esteem  
Sociability  
Self-Management  
Integrity/Honesty