

Advanced Animal Science

Instructor: Ms. Phyllis Sams, LVT

Email: psams@weimarisd.org

Remind Code: @678h4f

Tutorial Times: Before or after school by appointment

Supplies: The following supplies should be with the student each day in class. Having these items along with any assigned work, will ensure that the student is prepared to participate in class. The student should have these items in class no later than **Monday, August 18, 2025.**

- Writing Utensils – NO RED INK
- 2" Binder
- Notebook Paper
- 1 Package Dividers

Class Description:

Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of animal production, including canine, feline, bovine, equine, caprine, porcine, ovine, poultry, and lagomorph production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. To prepare for careers in the field of animal science, students must attain academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Grading System:

Grades will include participation, notebook checks, quizzes, exams, and projects as assigned.

45% Daily Grades (Bell Work, Notebook Checks, Group Participation, Quizzes, etc.) – at least 6 per 6 weeks

55% Major/Test Grades (Exams & Projects) – at least 3 per 6 weeks

Make-Up Work, Late Work & Retesting Policy:

It is the student's responsibility to collect & complete any work that was missed during an absence. I will have a folder with all make up work in it, but the student must pick up the work/assignment. If you are planning on being absent (sports, organization, field trip, etc.) the work must be picked up before you leave for the trip, and is due upon your arrival the next class day.

Late work will be accepted, but 10 points per day will be taken off after the assignment date it was due.

Retesting will be allowed, if the student received a failing grade on a major grade. The student must come to tutorials (by appointment) one day to correct the failed work, the student must complete a reflection on why the assignment was failed and get it signed by a parent/ guardian, and, finally, come to tutorials on a consecutive day to retake the failed work.

Grading Consequences: Academic dishonesty, including cheating or copying the work of another student, plagiarism (including the unauthorized use of artificial intelligence (AI) such as ChatGPT), and unauthorized communication between students during an examination will result in disciplinary action where the student will be written up and must follow the retake policy to make up the assignment.

CLASSROOM RULES:

Respect:

- ✓ Yourself
- ✓ Your Neighbors
- ✓ Your Classroom & Surroundings
- ✓ Your Teachers & Administration

CLASSROOM PROCEDURES/ EXPECTATIONS:

The student will:

1. Have electronic devices turned into their assigned pocket when the bell rings.
2. Be in your seat with all class materials when the bell rings.
3. Begin bell work upon arrival into classroom.
4. Use appropriate language – written and spoken.
5. Be on task.
6. Follow all rules established in the “Student Code of Conduct”.
7. The teacher will dismiss the class, not the bell.

Student Affiliation Leadership Organization:

As part of enrolling in this class, your child has the opportunity to become a member of Weimar FFA. The FFA is the LARGEST student-led leadership organization focused on premier leadership, career success and personal growth. Throughout the year we will participate in leadership activities, career development events, and community service projects. I strongly encourage each student to become a member of Weimar FFA.

Tentative Content Schedule

1st 6 Weeks

- Introductions/ Class Expectations
- Blue & Gold Basics: FFA
- Biosecurity & Animal Agriculture
- Livestock Production & the Environment
- Specialty Food Production Methods
- Global Livestock Production
- Grades & Standards of Livestock

2nd 6 Weeks

- Grades & Standards of Livestock
- Livestock Harvest & Red Meat Production: Harvest & Muscle to Meat
- Livestock Reproduction
- Advanced Animal Genetics
- Principles of Livestock Handling

3rd 6 Weeks

- Principles of Livestock Handling
- Livestock Breeding Systems
- External Anatomy of Livestock: Terms & Terminology
- Structural Organization of the Animal Body
- Fundamentals of Animal Body Systems: Integration of Systems
- Fundamentals of Livestock Nutrition: Nutrients, Vitamins, Minerals & Additives

4th 6 Weeks

- Fundamentals of Livestock Nutrition: Feed & Feedstuffs
- Fundamentals of Livestock Nutrition: Rations & Feeding Practices
- Common Diseases of Livestock Animals: Cause & Control
- Common Diseases of Livestock Animals: Nutritional Diseases
- Common Diseases of Livestock Animals: Bacterial Diseases

5th 6 Weeks

- Common Diseases of Livestock Animals: Viral Diseases
- Common Diseases of Livestock Animals: Parasitic & Fungal Diseases
- Common Diseases of Livestock Animals: Genetic Diseases
- Common Diseases of Livestock Animals: Neurological Diseases
- Common Parasites of Livestock: External Parasites

6th 6 Weeks

- Common Parasites of Livestock: Internal Parasites
- Common Parasites of Livestock: Cause & Control
- Impact of Science: Animal Science

August 1, 2025

Dear Parent of Guardian;

I am looking forward to having your student in my Advanced Animal Science class this year. In order to guarantee your child, as well as the other students in my classroom, the excellent learning climate they deserve, I am sharing with you our classroom and lab procedures, my tutorial schedules and information on how to best reach me. Due dates will always be specified when work is assigned. Your student will know well in advance when a project is due. If your child knows that he/she will be absent on the due date, it is his/her responsibility to hand in the assignment before the due date. Almost all of our work is done in class because it is a hands-on course.

Below I have provided signature lines and a contact information section. I am requesting that each of you sign below to acknowledge that you and your student understand the policies of this course, and give me a way to best contact you. Please keep the first 3 pages for yourself, and return this page with your student by **Monday, August 18, 2025.**

Once again, I am very excited to embark on the 2025-2026 school year with such wonderful students!

Thank you,

Phyllis Sams, LVT

Student Name (print)

Parent/Guardian Name (print)

Student Signature

Parent/Guardian Signature

Parent/Guardian Email:_____

Parent/Guardian Cell Phone Number:_____

Best way to reach you? (Circle One) Email Cell Phone