

ARIZONA WESTERN COLLEGE SYLLABUS

ANS 100 ANIMAL INDUSTRIES

Credit Hours: 4 Lec 3 Lab 3

PREREQUISITE: None

COURSE DESCRIPTION

The livestock and poultry industries including applications of scientific principles, marketing, and selection are emphasized.

1. COURSE GOAL

This course prepares learners for employment in the animal industry by providing a working knowledge of meat, milk, eggs, and wool production utilizing the following species: poultry, swine, sheep, goats, and cattle (dairy and beef).

2. OUTCOMES

Upon satisfactory completion of this course, students will be able to:

- 2.1 identify the sources of financial support for livestock enterprises.
- 2.2 describe the role of animal agriculture in the American economy, giving its significance and historical background.
- 2.3 identify and discuss the breeding and reproductive systems of common livestock.
 - 2.3.1 describe animal inheritance.
- 2.4 explain animal nutritional needs and feed requirements for major classes of livestock.
 - 2.4.1 explain the comparative factors of the different digestive systems of animals and their adaptability in the agricultural economy.
- 2.5 discuss the marketing and processing functions of animal agriculture and know their importance in the economy.
- 2.6 identify the commercially important breeds of livestock, their developmental physiology and their regional significance.
- 2.7 discuss the role of genetic engineering in the animal industry.
- 2.8 identify careers available in the livestock industry.
- 2.9 identify the criteria used when evaluating live animals.
- 2.10 evaluate livestock carcass composition.
- 2.11 discuss food safety issues affecting humans and animal agriculture.
- 2.12 discuss companion animals, wildlife, and zoology, and their role in animal agriculture.

3. METHODS OF INSTRUCTION

- 3.1 Lectures by the professor or invited speakers
- 3.2 Audio-visual
- 3.3 Field trips
- 3.4 Class discussion
- 3.5 Laboratory exercises

4. LEARNING ACTIVITIES

- 4.1 Textbook reading assignments
- 4.2 Participation in class discussions
- 4.3 Lectures, demonstrations, and visual presentations
- 4.4 Written exercises and periodic exams
- 4.5 Field trips
- 4.6 Laboratory assignments

5. EVALUATION

- 5.1 Written exams and quizzes
- 5.2 Class participation
- 5.3 Laboratory assignments

6. STUDENT RESPONSIBILITIES

- 6.1 Under AWC Policy, students are expected to attend every session of class in which they are enrolled.
- 6.2 If a student is unable to attend the course or must drop the course for any reason, it will be the responsibility of the student to withdraw from the course. Students who are not attending as of the 45th day of the course may be withdrawn by the instructor. If the student does not withdraw from the course and fails to complete the requirements of the course, the student will receive a failing grade.
- 6.3 Americans with Disabilities Act Accommodations: Arizona Western College provides academic accommodations to students with disabilities through AccessABILITY Resource Services (ARS). ARS provides reasonable and appropriate accommodations to students who have documented disabilities. It is the responsibility of the student to make the ARS Coordinator aware of the need for accommodations in the classroom prior to the beginning of the semester. Students should follow up with their instructors once the semester begins. To make an appointment call the ARS front desk at (928) 344-7674 or ARS Coordinator at (928) 344-7629, in the College Community Center (3C) building, next to Advising.
- 6.4 Academic Integrity: Any student participating in acts of academic dishonesty—including, but not limited to, copying the work of other students, using unauthorized “crib notes”, plagiarism, stealing tests, or forging an instructor’s signature—will be subject to the procedures and consequences outlined in AWC’s Student Code of Conduct.
- 6.5 Texts and Notebooks: Students are required to obtain the class materials for the course.
- 6.6 Arizona Western College students are expected to attend every class session in which they are enrolled. To comply with Federal Financial Aid regulations (34 CFR 668.21), Arizona Western College (AWC) has established an Attendance Verification process for “No Show” reporting during the first 10 days of each semester.
Students who have enrolled but have never attended class may be issued a “No Show” (NS) grade by the professor or instructor and receive a final grade of “NS” on their official academic record. An NS grade may result in a student losing their federal financial aid.
For online classes, *student attendance in an online class is defined as the following* (FSA Handbook, 2012, 5-90):
- Submitting an academic assignment
 - Taking an exam, an interactive tutorial or computer-assisted instruction
 - Attending a study group that is assigned by the school
 - Participating in an online discussion about academic matters
 - Initiating contact with a faculty member to ask a question about the academic subject studied in the course