

ARIZONA WESTERN COLLEGE
SYLLABUS

ANS 240 FEEDS AND FEEDING

Credit Hours: 4 Lec 3 Lab 3

PREREQUISITE: ENG 101 or 107

COURSE DESCRIPTION

Selection, evaluation, classification, and use of feeds for specific purposes in animal nutrition to include the element of nutrition, commonly used feeds, nutritive requirements, feed processing, and practical methods of feeding different classes of livestock and evaluation of livestock carcasses to determine nutritional needs.

1. COURSE GOAL

This course prepares learners for employment in the animal industry by providing working knowledge of animal nutritional needs and feed requirements for major classes of livestock. Learners will also have a understanding of how nutrition affects carcass yield.

2. OUTCOMES

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

- 2.1 distinguish between ruminants and non-ruminants and select feedstuffs appropriate to each class of livestock.
- 2.2 describe the functions of each of the six general classes of nutrients and their common sources.
- 2.3 determine the proper amounts of feed and water to feed various classes of livestock.
- 2.4 determine relative nutrient value and classes of feedstuffs.
- 2.5 interpret feed tags, labels, and feed analysis reports.
- 2.6 develop and balance rations and calculate cost.
- 2.7 determine the equipment needed to feed livestock.
- 2.8 recognize problems associated with over or under feeding.
- 2.9 identify the pros and cons of using growth stimulants
- 2.10 observe and handle feed and equipment safely.
- 2.11 understand state and federal laws.
- 2.12 evaluate livestock live.
- 2.13 evaluate livestock carcass composition and how proper nutrition affects the animal carcass.

3. METHODS OF INSTRUCTION

- 3.1 Lectures by the professor or invited speakers
- 3.2 Audio-visual
- 3.3 Field trips
- 3.4 Class discussions
- 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, homework problems 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 Written assignments and homework
- 5.4 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