

# APPLIED ANIMAL NUTRITION

Winter 2022

Instructor: Clayton Weber  
Office & Hours: WOH 127 D By Appointment, In-Person or Zoom  
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Course #: ANS 211  
CRN: 31365  
Meets: Lecture MW: 10-10:50 AM Lab F: 9-10:50 AM  
Classroom: MWF: WOH 122  
Required Supplies: Calculator (No cell phones)  
Textbook: ANIMAL FEEDING AND NUTRITION by Marshall H. Jurgens

**Prerequisite: Students must have successfully completed ANS 210 Feeds & Feed Processing before enrolling in this course.**

## **Learning Outcomes:**

Upon successful completion of this course, students should be able to:

- Balance a ration for a specific nutrient level using the Pearson Square method or algebraic method
- Determine nutrient values for specific feedstuffs using feed composition tables
- Identify appropriate nutrient levels for specific classes of sheep, cattle, swine, & horses using NRC tables
- Develop basic feeding strategies for sheep, cattle, swine, & horses

**Grading Procedure:** Your final grade in this course will be based on the following:

Lab Practice Problems (10)	100 pts
Quizzes (4)	100 pts
Final Exam	100 pts

## **Grading Scale**

A = 90 – 100% of the highest point total in class

B = 80 – 89% of the highest point total in class

C = 70 – 79% of the highest point total in class

D = 60 – 69% of the highest point total in class

F = < than 60% of the highest point total in class

## **Grading Guidelines:**

1. Lab practice problems will be due at the beginning of the next class period. Lab practice problems are valued at 10 pts and will not be accepted unless work is satisfactory. No late work will be accepted unless prior arrangements have been established with the instructor.
2. Quizzes will be announced and students **must** make prior arrangements if a quiz is to be missed. Make-up's **must** be completed before the next class period to potentially earn full credit.
3. Final grade will be evaluated on a curve, where the highest class point total becomes the maximum point total.
4. The awarding of an **Incomplete** is at the discretion of the instructor & will only be awarded if a majority of the coursework has been completed by the student.
5. **No cell phones during class!**

Students who may need accommodations due to documented disabilities, who have medical information which the instructor should know, or who need special arrangements in an emergency should speak with their instructor during the first week of class. If you believe you may need accommodations but are not yet registered with the Center for Accessibility Resources (CFAR), please visit the [CFAR Website](#) for steps on how to apply for services or call [\(541\) 917-4789](#).

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You have until Friday 5pm of the seventh week (**February 18, 2022**) to drop a class without a grade penalty. If dropping this class puts you below 12 credits and you are on financial aid, you may lose your financial aid. If you fail to drop by **February 18, 2022**, you will receive a letter grade for this course.

### **TENTATIVE COURSE OUTLINE**

<u>WEEK</u>	<u>TOPIC</u>
1	Course Content, Nutrient Composition, Feed Pricing Problems & Demonstrate Pearson Square
2	Swine Nutrition & Ration Formulation <b>Quiz 1</b>
3	Swine Ration Formulation No class Monday, January 17, 2022, <b>*Martin Luther King Jr. Day*</b>
4	Sheep Nutrition & Ration Formulation <b>Quiz 2</b>
5	Goat Nutrition & Ration Formulation
6	Beef Cattle Herd Nutrition & Ration Formulation <b>Quiz 3</b>
7	Feedlot Cattle Nutrition & Ration Formulation
8	Horse Nutrition & Ration Formulation No class Monday, February 21, 2022, <b>*President's Day*</b>
9	Dairy Nutrition & Ration Formulation <b>Quiz 4</b>
10	Course Summary & Final Exam Review

**FINAL EXAM: Monday, March 14<sup>th</sup>, 8-9:50 AM**