

APPLIED ANIMAL NUTRITION

Winter 2019

Instructor: Clayton Weber
Office & Hours: WOH 127 D MWF: 11-11:50 AM
Phone: 917-4768
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Course #: ANS 211
CRN: 31365
Meets: Lecture MW: 10-10:50 AM Lab F: 9-10:50 AM
Classroom: MW: RCH 213
F: 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

Students who may need accommodations due to documented disabilities, or who have medical information which the instructor should know, or who need special arrangements in an emergency, should speak with the instructor during the first week of class. If you believe you may need accommodations, but are not yet registered with CFAR, please go to <http://linnbenton.edu/cfar> for steps on how to apply for services or call 541-917-4789.

You have until Friday 5pm of the seventh week (**February 22, 2019**) 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 22, 2019**, you will receive a letter grade for this course.

LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws. (for further information <http://po.linnbenton.edu/BPsandARs/>) Board Policy P1015

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.
3. Final grade will be evaluated on a curve, where the highest class point total becomes the maximum point total.
4. **No cell phones during class.**
5. Incompletes will be given in the event a student completes the majority of the course work, but for some valid reason misses a portion of the class. Before an incomplete will be given, the student must sign a contract with the instructor stating how and when the work is to be made up. The awarding of an incomplete is at the discretion of the instructor.

TENTATIVE COURSE OUTLINE

<u>WEEK</u>	<u>TOPIC</u>
1	Course Content, Nutrient Composition, Metric System Feed Price Problems, Demonstrate Pearson Square
2	Swine Nutrition and Feeding Ration balancing Quiz 1
3	Swine ration formulation Analyze swine rations No class Monday, January 21, 2019, *Martin Luther King Jr. Day*
4	Sheep Nutrition and Feeding Ration balancing Quiz 2
5	Goat Nutrition and Feeding Analyze sheep/goat rations
6	Beef Cattle Herd Nutrition and Feeding Ration balancing Quiz 3
7	Feedlot Cattle Nutrition and Feeding No class Monday, February 18, 2019, *President's Day*
8	Horse Nutrition and Feeding
9	Sample Horse Rations Analyze and balance horse rations Quiz 4
10	Dairy Nutrition and Feeding Course summary and final exam review

FINAL EXAM: Wednesday, March 20th, 8-9:50 am