

Angelo State University

ASCI 3342 Applied Animal Nutrition

Professor:

Dr. Chase A. Runyan
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Angelo State University
VIN 212
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***Email will be best way to contact me. I will make every effort to respond in a timely fashion.**

Course T.A.'s:

TBA

Office Hours:

Monday: 10:00 – 11:30am; Tuesday: 9:00 – 11:00am; Wednesday: 10:00 – 11:30am; Thursday: 9:00 – 11:00am
*Open door policy – Come in if the door is open. **make appointments if you need to block off specific time***

Scheduled Meeting times:

Lecture: Monday and Wednesday 9:00 - 9:50 (VIN 250)
Lab: Monday 1:00 - 2:50 OR 3:00 – 4:50 (VIN 238)

Course Description:

Define feedstuffs, nutritional requirements of animals, and characteristics of feeds to formulate appropriate rations for livestock feeding.

Recommended Text:

Kellems, R.O., Church, D.C. 2009 *Livestock Feeds and Feeding* 6th ed. Pearson Education, Inc.
Available online or ASU bookstore

Objectives:

Upon completion of this course students will:

- Develop an understanding of nutritional value of various feedstuffs
- Be exposed to specific nutrient requirements for various livestock species
- Gain experience formulating rations
- Describe feed processing and manufacturing and the impact of utilization by animals

Student Learning Outcomes:

- Be conversational in terminology relevant to livestock physiological nutritional systems and feeding processes
- Determine nutritional requirements of livestock
- Be familiar with nutrition value of common feed ingredients
- Combine animal requirements with nutrition values to formulate appropriate rations

Student Learning Assessment:

Student learning outcomes will be assessed from 10 or fewer quiz and/or homework assignments from lab and lecture sessions and 4 or fewer course exams.

Grading Determinations:

65% of overall course grade will come from Exam grades. 35% of overall course grade will come from quiz/homework assignments.

Grading Scale

- **A = 89.5% and above**
- **B = 79.5 to 89.4%**
- **C = 69.5 to 79.4%**
- **D = 59.5 to 69.4%**
- **F = 59.4% and below**

GRADING FORMULA: ((EXAM AVERAGE) × .65) + ((HOMEWORK/QUIZ AVERAGE) × .35)

General Policies Related to This Course

All students are required to follow the policies and procedures presented in these documents:

- [Angelo State University Student Handbook](#)ⁱ
- [Angelo State University Catalog](#)ⁱⁱ

Academic Integrity

Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.

The College of Science and Engineering adheres to the university's [Statement of Academic Integrity](#).ⁱⁱⁱ

Accommodations for Students with Disabilities

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA) and subsequent legislation.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student's responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the [Student Disability Services website](#).^{iv} The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dr. Dallas Swafford
Director of Student Disability Services
Office of Student Affairs
325-942-2047
dallas.swafford@angelo.edu
Houston Harte University Center, Room 112

Incomplete Grade Policy

It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 [Grading Procedures](#)^v for more information.

Plagiarism

Plagiarism is a serious topic covered in ASU's [Academic Integrity policy](#)^{vi} in the Student Handbook. Plagiarism is the action or practice of taking someone else's work, idea, etc., and passing it off as one's own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.

Papers are subject to be evaluated for originality. Resources to help you understand this policy better are available at the [ASU Writing Center](#).^{vii}

Student Absence for Observance of Religious Holy Days

A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 [Student Absence for Observance of Religious Holy Day](#)^{viii} for more information.

Title IX at Angelo State University

Angelo State University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from sex discrimination of any kind. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault, sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex.

You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Miller, J.D. You may submit reports in the following manner:

Online: [Incident Reporting Form](#)^{ix}

Face to Face: Mayer Administration Building, Room 210

Phone: 325-942-2022

Email: michelle.miller@angelo.edu

Note, as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325-942-2371), the 24-Hour Crisis Helpline (325-486-6345), or the University Health Clinic (325-942-2171).

For more information about resources related to sexual misconduct, Title IX, or Angelo State's policy please visit the [Title IX website](#).^x

Information About COVID-19

Please refer to ASU's [COVID-19 \(Coronavirus\) Updates](#)^{xi} web page for current information about campus guidelines and safety standards as they relate to the COVID-19 pandemic.

Modifications to the Syllabus

This syllabus, including grade evaluation and course schedule, is subject to modification on potentially short notice.

Proposed Lecture Schedule

Date	Topic	
August 23	Syllabus/course overview	
August 25	Principles Review -- Introduction	
August 30	Feed Analysis	
September 1	Feed Analysis	
September 6	Labor Day – No Classes	
September 8	Energy Feeds	
September 13	QUIZ 1	QUIZ 1
September 15	Protein Feeds	
September 20	Protein/Energy by-product/co-product Feeds	
September 22	Laws and Labeling	
September 27	Exam Review	
September 29	EXAM 1	EXAM 1
October 4	Manufactureing/Processing	
October 6	Optional Content	
October 11	Vitamins & Minerals	
October 13	Swine - Monogastric Specific Concepts	
October 18	Exam Review	
October 20	EXAM 2	EXAM 2
October 25	Equine Specific	
October 27	Optional Content	
November 1	Dairy Cattle	
November 3	Sheep/Goat Specific	
November 8	Beef Cattle –Cow herd	
November 10	Beef Cattle—Stocker/Grower Beef Cattle—Finishing	
November 15	Alternative Feed Products	
November 17	Exam Review	
November 22	EXAM 3	EXAM 3
November 24	Self-Study	
Novemeber 29	Optional Content	
December 1	Final Exam Review	
December 9	FINAL EXAM 10:00 – 12:00 VIN 238	FINAL EXAM

**** Any part of this schedule is tentative to change ****

Proposed Lab Schedule

Date	Topic	Homework/Quiz
August 30	No Lab	
September 6	Introduction -- Dry Matter/Unit Conversion	
September 13	Feed Mill Tour	
September 20	Protein feeds/Pricing per unit of nutrient	
September 27	Diet Formulation	
October 4	Optional Content	
October 11	Diet Formulation	
October 18	Equine	
October 25	Optional Content	
November 1	Swine	
November 8	Dairy Cattle	
November 15	Sheep/Goat	
November 22	Beef Cattle	
November 29	Ration Formulation Programs	

**** Any part of this schedule is tentative to change ****

Keep a record of your grades here:

QUIZ 1	QUIZ 2	HW 1	HW 2	HW 3	HW 4	HW 5	HW 6	HW 7	EXAM 1	EXAM 2	EXAM 3	FINAL EXAM

ⁱ <https://www.angelo.edu/current-students/student-handbook/>

ⁱⁱ <https://www.angelo.edu/academics/catalog/>

ⁱⁱⁱ <https://www.angelo.edu/live/files/27603-student-handbook-2020-21#page=96>

^{iv} <https://www.angelo.edu/current-students/disability-services/>

^v <https://www.angelo.edu/content/files/14197-op-1011-grading-procedures>

^{vi} <https://www.angelo.edu/live/files/27603-student-handbook-2020-21#page=96>

^{vii} https://www.angelo.edu/current-students/writing-center/academic_honesty.php

^{viii} <https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of>

^{ix} <https://www.angelo.edu/incident-form>

^x <https://www.angelo.edu/title-ix>

^{xi} <https://www.angelo.edu/covid-19/>