Angelo State University
ASCI 3342 Applied Animal Nutrition

Professor:
Dr. Chase A. Runyan
Department of Agriculture
Angelo State University
VIN 212
Office: 325-486-6758
chase.runyan@angelo.edu
*Email will be best way to contact me. I will make every effort to respond in a timely fashion.

Office Hours:
Open door policy – Come in if the door is open. **Make appointments if you need to block off specific time**

Course Structure:
Because student safety is the highest priority, this course will be organized in a Hybrid Style/Flipped Classroom approach with Flex Attendance to accomplish social distancing purposes.

- Weekly lecture content will be made available through blackboard
  o Pre-recorded lectures + reading material + ppt + additional lecture notes will be posted on Blackboard
- Lecture time will be used for Q&A, working on quiz/hw/assessments, lecture material discussion, etc.
  o Students whose Last name begins with A – K are encouraged to attend Face-to-Face lectures on Monday’s. Students whose Last name begins with L – Z are encouraged to attend Face-to-Face lectures on Wednesday’s.
- Labs will meet face to face on Monday’s. The room allows for appropriate social distancing with the current lab sections enrollment. It is important to attend the lab section that you are enrolled in.

Scheduled Meeting times:
Lecture: Monday OR Wednesday 9:00 - 9:50 (VIN 162)
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:
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:** 

\[(\text{EXAM AVERAGE} \times .65) + ((\text{HOMEWORK & QUIZ AVERAGE}) \times .35)\]

**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](#)
- [Angelo State University Catalog](#)

**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 to disciplinary action and possible expulsion from ASU.

The College of Science and Engineering adheres to the university’s [Statement of Academic Integrity](#).
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. The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

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 for more information.

Plagiarism

Plagiarism is a serious topic covered in ASU’s Academic Integrity policy 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.

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 for more information.
Title IX at Angelo State University
The University prohibits discrimination based on sex, which includes pregnancy, sexual orientation, gender identity, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination including: sexual assault, sex-based discrimination, sexual exploitation, sexual harassment, public indecency, interpersonal violence (domestic violence and/or dating violence), and stalking. As a faculty member, I am a Responsible Employee meaning that I am obligated by law and ASU policy to report any allegations I am notified of to the Office of Title IX Compliance.

Students are encouraged to report any incidents of sexual misconduct directly to ASU’s Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator at:

Michelle Boone, J.D.
Director of Title IX Compliance/Title IX Coordinator
Mayer Administration Building, Room 210
325-942-2022
michelle.boone@angelo.edu

You may also file a report online 24/7 at www.angelo.edu/incident-form.

If you are wishing to speak to someone about an incident in confidence you may contact the University Health Clinic and Counseling Center at 325-942-2173 or the ASU Crisis Helpline at 325-486-6345.

For more information about Title IX in general you may visit www.angelo.edu/title-ix.

Required Use of Masks/Facial Coverings by Students
As a member of the Texas Tech University System, Angelo State University has adopted the mandatory Facial Covering Policy to ensure a safe and healthy classroom experience. Current research on the COVID-19 virus suggests there is a significant reduction in the potential for transmission of the virus from person to person by wearing a mask/facial covering that covers the nose and mouth areas. Therefore, in compliance with the university policy students in this class are required to wear a mask/facial covering before, during, and after class. Faculty members may also ask you to display your daily screening badge as a prerequisite to enter the classroom. You are also asked to maintain safe distancing practices to the best of your ability. For the safety of everyone, any student not appropriately wearing a mask/facial covering will be asked to leave the classroom immediately. The student will be responsible to make up any missed class content or work. Continued non-compliance with the Texas Tech University System Policy may result in disciplinary action through the Office of Student Conduct.

Modifications to the Syllabus
This syllabus, including grade evaluation and course schedule, is subject to modification. In particular, the COVID-19 pandemic may require significant changes in course delivery and content on potentially short notice.
<table>
<thead>
<tr>
<th>Week: (Dates)</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1: (Aug. 17 – Aug. 19)</td>
<td>Syllabus/course overview</td>
</tr>
<tr>
<td>Week 2: (Aug. 24 – Aug. 26)</td>
<td>Principles Review &amp; Basics of Feed Analysis</td>
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<tr>
<td>Week 3: (Aug. 31 – Sept. 2)</td>
<td>Feed Manufacturing/Processing &amp; Feed Labeling</td>
</tr>
<tr>
<td>Week 4: (Sept. 7 – Sept. 9)</td>
<td>Quiz/HW/Alternative Assessment</td>
</tr>
<tr>
<td>Week 5: (Sept. 14 – Sept. 16)</td>
<td>Energy feed components &amp; Protein feed components</td>
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<tr>
<td>Week 6: (Sept. 21 – Sept. 23)</td>
<td>Exam 1</td>
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<tr>
<td>Week 7: (Sept. 28 – Sept. 30)</td>
<td>Fiber feed components &amp; by-product/co-product components</td>
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<tr>
<td>Week 8: (Oct. 5 – Oct. 7)</td>
<td>Vitamin/Mineral &amp; Feed Additives</td>
</tr>
<tr>
<td>Week 9: (Oct. 12 – Oct. 14)</td>
<td>QUIZ/HW/Alternative Assessment</td>
</tr>
<tr>
<td>Week 10: (Oct. 19 – Oct. 21)</td>
<td>Swine Specific Content &amp; Equine Specific Content</td>
</tr>
<tr>
<td>Week 11: (Oct. 26 – Oct. 28)</td>
<td>Exam 2</td>
</tr>
<tr>
<td>Week 12: (Nov. 2 – Nov. 4)</td>
<td>Sheep Specific Content &amp; Dairy Specific Content</td>
</tr>
<tr>
<td>Week 13: (Nov. 9 – Nov. 11)</td>
<td>Beef Cattle Specific Content</td>
</tr>
<tr>
<td>Week 14: (Nov. 16 – Nov. 18)</td>
<td>Course Wrap-up</td>
</tr>
<tr>
<td>Week 15: (Nov. 23)</td>
<td>Final Exam</td>
</tr>
</tbody>
</table>

** Any part of this schedule is tentative to change **
## Proposed Lab Schedule

<table>
<thead>
<tr>
<th>Week: (Date)</th>
<th>Topics</th>
<th>Homework/Quiz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1: (Aug. 17)</td>
<td>No Lab</td>
<td></td>
</tr>
<tr>
<td>Week 2: (Aug. 24)</td>
<td>Introduction -- Dry Matter/Unit Conversion</td>
<td></td>
</tr>
<tr>
<td>Week 3: (Aug. 31)</td>
<td>Feed Mill Tour</td>
<td>Homework 1 Due</td>
</tr>
<tr>
<td>Week 4: (Sept. 7)</td>
<td>Protein feeds/Pricing per unit of nutrient</td>
<td></td>
</tr>
<tr>
<td>Week 5: (Sept. 14)</td>
<td>Diet Formulation</td>
<td>Homework 2 Due</td>
</tr>
<tr>
<td>Week 6: (Sept. 21)</td>
<td>Diet Formulation</td>
<td></td>
</tr>
<tr>
<td>Week 7: (Sept. 28)</td>
<td>Optional Content</td>
<td>Homework 3 Due</td>
</tr>
<tr>
<td>Week 8: (Oct. 5)</td>
<td>Equine</td>
<td></td>
</tr>
<tr>
<td>Week 9: (Oct. 12)</td>
<td>Optional Content</td>
<td></td>
</tr>
<tr>
<td>Week 10: (Oct. 19)</td>
<td>Swine</td>
<td>Homework 4 Due</td>
</tr>
<tr>
<td>Week 11: (Oct. 26)</td>
<td>Optional Content</td>
<td></td>
</tr>
<tr>
<td>Week 12: (Nov. 2)</td>
<td>Sheep/Goat</td>
<td></td>
</tr>
<tr>
<td>Week 13: (Nov. 9)</td>
<td>Beef Cattle</td>
<td>Homework 5 Due</td>
</tr>
<tr>
<td>Week 14: (Nov. 16)</td>
<td>Optional Content</td>
<td></td>
</tr>
</tbody>
</table>

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2. https://www.angelo.edu/catalogs/
4. https://www.angelo.edu/services/disability-services/
5. https://www.angelo.edu/content/files/14197-op-1011-grading-procedures
7. https://www.angelo.edu/dept/writing_center/academic_honesty.php
8. https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of
9. https://www.angelo.edu/services/title-ix/