



ANS 308 01E (CRN 80929): Animal Nutrition

COURSE SYLLABUS: Fall 2025

Meeting Times: TR 9:30am – 10:45am

Meeting Location: AGIT 253

INSTRUCTOR INFORMATION

Instructor: Dr. Brooke Clemmons

Office Location: AG/ET 233B

Office Hours: Wednesday 10am to noon

University Email Address: Brooke.Clemmons@tamuc.edu

Preferred Form of Communication: **email**

Communication Response Time: 48 business hours (I do not answer emails outside of work hours)

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) Required: none

Software Required: none

Optional Texts and/or Materials: Basic Animal Nutrition and Feeding by Pond (IBSN 0471215392)

Course Description

Functions of carbohydrates, proteins, vitamins, lipids, minerals and water. Chemistry and physiology of digestion, absorption, and metabolism of nutrients and their metabolites in animals. Prerequisites: ANS 1319, CHEM 1405 or 1411, and MATH 1314.

Student Learning Outcomes

1. Define nutrition and nutritionally-related terms
2. Compare and contrast gastrointestinal systems of various livestock species
3. Describe the roles of various nutrients in performance of livestock species
4. Evaluate the effects of nutrient-related diseases on performance of livestock species

The syllabus/schedule are subject to change.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

Students will need to be able to access and use the course online platform for the University, D2L. They may also need to have access and be able to use Microsoft Word, PowerPoint, or comparable programs. If students do not have access to the Microsoft Office suite, they can get access for free by contacting CITE.

Instructional Methods

This course will be offered as a face to face course. All lectures will be recorded and provided on the D2L system. All assignments and exams will be listed in D2L but will be due/given in class. Additional information about exams and assignments will be provided prior to the upload of those assignments.

Student Responsibilities or Tips for Success in the Course

In order to be successful in the course, students will need to ensure that they **actively** participate in the course, including any in-person or online activities or discussions; thus attendance and completion of assignments is paramount. A good rule of thumb is that students should spend approximately 2-3 hours outside of class on the course material for every hour of face-to-face meeting time. If you have any questions at all regarding the course structure, material, or anything else related to the course, feel free to post the question on the discussion forum on D2L or email the instructor. I can't help you if you don't ask for help!

GRADING

Final grades in this course will be based on the following scale:

A = 90%-100% (900 – 1000 points)

B = 80%-89% (800 – 899 points)

C = 70%-79% (700 – 799 points)

D = 60%-69% (600 – 699 points)

F= 59% or Below (<600 points)

Assignment	Point Value
Exam 1	150
Exam 2	150
Exam 3	150
Exam 4	150
Final Exam	200
Assignments	200
Total	1000

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Assessments

All assessments and grading are presented in the above table. Assessments will include primarily exams, but will also include assignments throughout the semester. You will be graded on a combination of exams, assignments, and participation.

Exams: Exam dates and topics will be announced during classes well as on D2L. The final exam will be based on cumulative material. All exams will be taken during the class time and will have 75 minutes to complete the exams, with the exception of the final exam in which students will have two hours to take the exam. This is a closed-note, closed-book exam (no resources may be used on the exam). The final exam will be offered during the university-designated timeframe. Students will take the final exam on the university-designated time.

Assignments: Students will be given assignments throughout the semester. These assignments may be worksheets, quizzes, case studies, etc.

TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

YouSeeU Virtual Classroom Requirements:

<https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements>

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: Personal computer and internet connection problems **do not excuse the requirement to complete all course work in a timely and satisfactory manner**. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies,

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Starbucks, a TAMUC campus open computer lab, etc. Additionally, all students **MUST** have the Microsoft Office Suite. This can be procured from CITE.

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

Interaction with Instructor Statement

The BEST way to contact me is via email, and I will make every effort to return emails within 48 business hours. If I do not respond within this timeframe, please feel free to follow up with me. If you wish to meet with me, please contact me via email to set up a time to meet. I am available to meet via Zoom or face-to-face.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

Your participation is required and expected for success in the course. In the event that you are unable to submit assignments on time, please let the instructor know **prior** to the assignment deadline and as soon as possible. Late homework/assignments will be accepted with a 10% penalty each day the assignment is late (including weekends) up to 50% off. Late work will not be accepted after 7 days after the assignment due date. Exams must be taken during the designated timeframe unless the student has a **university-approved excuse**.

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx).

<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

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Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum:

<https://www.britannica.com/topic/netiquette>

A&M-Commerce requires the use of face-coverings in all instructional and research classrooms/laboratories. Exceptions may be made by faculty where warranted. Faculty have management over their classrooms. Students not using face-coverings can be required to leave class. Repetitive refusal to comply can be reported to the Office of Students' Rights and Responsibilities as a violation of the student Code of Conduct.

Students should not attend class when ill or after exposure to anyone with a communicable illness. Communicate such instances directly with your instructor. Faculty will work to support the student getting access to missed content or completing missed assignments.

TAMUC Attendance

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

[Graduate Student Academic Dishonesty 13.99.99.R0.10](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

I take academic honesty incredibly seriously. Unless otherwise specified in the instructions or verbally in the lectures, you are not allowed to get any assistance from classmates or other people for work in the course. Unless otherwise stated, exams will be closed-note, closed-book exams. You will NOT be allowed to use ANY resource on the exam other than your own. Additional information about Academic Dishonesty can be found here:

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<http://www.tamuc.edu/aboutus/policiesproceduresstandardsstatements/rulesprocedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

Examples and Definitions of Academic Dishonesty

Below are examples of academic dishonesty from 13.99.99.R0.03 Undergraduate Academic Dishonesty Rules and Regulations from TAMUC:

“Academic dishonesty includes the commission of any of the following acts. This listing is not, however, exclusive of any other acts that may reasonably be called academic dishonesty.

Clarification is provided for each definition by listing some prohibited behaviors.

ABUSE AND MISUSE OF ACCESS AND UNAUTHORIZED ACCESS: Students may not abuse or misuse computer access or gain unauthorized access to information in any academic exercise.

CHEATING: Intentionally using or attempting to use unauthorized materials, information, notes, study aids or other devices or materials in any academic exercise. Unauthorized materials may include anything or anyone that gives a student assistance, and has not been specifically approved in advance by the instructor.

COMPLICITY: Intentionally or knowingly helping, or attempting to help, another to commit an act of academic dishonesty.

FABRICATION: Making up data or results, and recording or reporting them; submitting fabricated documents.

FALSIFICATION: Manipulating research materials, equipment, or processes, or changing or omitting data or results such that the research is not accurately represented in the research record.

FORGERY: Making a fictitious document, or altering an existing document, with the intent to deceive or gain advantage.

MULTIPLE SUBMISSIONS: Submitting substantial portions of the same work (including oral reports) for credit more than once without authorization from the instructor of the class for which the student submits the work.

PLAGIARISM: The appropriation of another person's ideas, processes, results, or words without giving appropriate credit.

SPECIAL NOTE REGARDING GROUP PROJECTS: If someone in a group commits academic misconduct, the entire group could be held responsible for it as well. It is important to document clearly who contributes what parts to the joint project, to know what group members are doing, and how they are acquiring the material they provide.”

Penalties for Academic Dishonesty

Discipline is up to the discretion of the faculty member. Below are common first offense disciplinary actions as outlined by TAMUC:

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“The most common penalty imposed by a faculty member for a first violation is an “F” in the course.

Less severe penalties may be imposed if the circumstances warrant. Examples of lesser penalties include:

A grade reduction for the course

A zero on the assignment

A requirement to participate in extra requirements or training

Some combination of these”

Students with Disabilities--ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

Texas A&M University-Commerce

Gee Library- Room 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu

Website: [Office of Student Disability Resources and Services](http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#)

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document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

COURSE OUTLINE / CALENDAR

Dates	Topic	Assignments	Important dates
8/26/2025	Introduction to course/nutrition	Assignment 1: Syllabus quiz	Due 8/31/2025
8/28/2025	Livestock gastrointestinal systems	Assignment 2: Gastrointestinal systems/water worksheet	Due 9/11/2025
9/2/2025	Livestock gastrointestinal systems		
9/4/2025	Water		
9/9/2025	Water		
9/11/2025	Exam 1		9/11/2025
9/16/2025	Carbohydrates	Assignment 3: Carbohydrates worksheet	Due 10/2/2025
9/18/2025	Carbohydrates		
9/23/2025	Carbohydrates		
9/25/2025	Carbohydrates		
9/30/2025	Carbohydrates		
10/2/2025	Exam 2		10/2/2025
10/7/2025	Lipids	Assignment 4: Lipids worksheet	Due 10/23/2025
10/9/2025	Lipids		
10/14/2025	Lipids		
10/16/2025	Lipids		
10/21/2025	Lipids		
10/23/2025	Exam 3		10/23/2025
10/28/2025	Proteins	Assignment 5: Proteins worksheet	Due 11/13/2025
10/30/2025	Proteins		

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11/4/2025	Proteins		
11/6/2025	Proteins		
11/11/2025	Proteins		
11/13/2025	Exam 4		11/13/2025
11/18/2025	Macrominerals		
11/20/2025	Microminerals		
11/25/2025	Thanksgiving Break	No class!	
11/27/2025	Thanksgiving Break	No class!	
12/2/2025	Fat-soluble vitamins		
12/4/2025	Water-soluble vitamins		
Final Exam	Cumulative		12/11/2025 8am – 10am

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