

ANS 3440 – Spring 2026
PRINCIPLES OF ANIMAL NUTRITION
In-Person Monday & Wednesday, Periods 8 & 9: 3:00 – 4:55 PM – 4 Credits
Place: ANS 156 ([MAP](#))

Instructor:

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Teaching Assistants (TAs):

It is part of our TAs responsibilities to help you understand the concepts, revise the material, and do well in class (free of any charge).

1. Mikaela Martin: mikaelamartin@ufl.edu
2. Teerawin Bouma: bouma.t@ufl.edu
3. Kelly Ferber: kelly.ferber@ufl.edu
4. Katherine Kim: kh.kim@ufl.edu
5. Josalyn Tinsley: josalyn.tinsley@ufl.edu
6. Bridget Wiese: bridgetwiese@ufl.edu
7. Melanie Pastrana: melanie.pastrana@ufl.edu

TA office hours:

In the Library at Animal Sciences Building (TBA)

Instructor's office hours: Scheduled by e-mail.

E-mail policy: Polite and professional e-mails are expected. You may refer to me as Dr. Faciola or Professor Faciola. E-mails are typically answered within two weekdays; however, during hectic times such as the beginning and end of the semester and around exams, it may take me longer to get back to you due to the greater volume of e-mails. If you e-mail me on a Friday afternoon, you may not hear back from me until Monday or Tuesday.

Tutoring:

We do not have an official or an endorsed tutor, but you are free to hire one if you wish.

Course prerequisites:

Prerequisites: CHM 2045 and CHM 2045L, or equivalent.

Course description:

This course is taught as an introduction to animal nutrition with emphasis placed on both non-ruminant and ruminant species. The nutrients required by animals, their functions, interrelationships and the processes of their utilization; feedstuff composition and their use in diet and ration formulation.

Learning objectives:

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

1. Articulate the historical development of animal nutrition science and define key terminology used in the field.
2. Analyze and compare the structural and functional anatomy of the gastrointestinal systems in ruminant and non-ruminant species.
3. Explain the enzymatic and metabolic processes involved in the digestion, absorption, and metabolism of nutrients in animals.
4. Evaluate methods for determining the chemical composition, digestibility, and biological value of feed ingredients.
5. Assess the impact of feed processing and storage practices on nutritional quality and feed efficiency.
6. Develop effective study strategies to enhance comprehension of biological concepts and apply critical thinking skills to solve real-world problems in animal nutrition.

Grades and grade points:

A = 90-100, B+ = 85-89.9, B = 80-84.9, C+ = 75-79.9, C = 70-74.9, D+ = 65-69.9, D = 60-64.9, E ≤ 59.9

Note: There are no minus grades. For information on current UF policies for assigning grade points, see [here](#).

Course exams: In-class exams (four total) 100 points each. The lowest in-class exam score will be eliminated to calculate your final grade. Final grade will be the average of the highest three exam grades. **This policy is to allow you to drop any of the in-class exams for whatever reason without any penalty to you.** Reasons for dropping an exam include: poor performance, absence, sickness, personal or family reasons, work, other academic conflicts, such as other exams, participation in club activities, or any other extra-curricular activities, etc. *** There will be no make-up exams. This is the reason why you are allowed to drop one exam. If you miss two exams, you can take the optional comprehensive final.

Exams format: Exams will be mostly short-answer questions because you can better show your knowledge and understanding compared to true/false or multiple-choice questions. Short-answer questions also allow you to get partial credits! ☺ You should expect ~20 questions per exam (double for the final).

Comprehensive Final Exam: 100 points. The **Final Exam is optional.** It can be used to improve your grade by replacing the second lowest in-class exam. However, **if you decide to take it, it will count** and will automatically eliminate your second lowest in-class exam.

Example: exam 1 = 70, exam 2 = 80, exam 3 = 0, exam 4 = 90. Final Grade = $(70 + 80 + 90)/3 = 80$

Let's say, this student decides to take the final exam to improve their score and gets a Final Exam grade = 60. Then their grade will be: $(60 + 80 + 90)/3 = 76.67$.

Therefore, if you decide to take the final (which will be comprehensive, ~40 questions) you are responsible for your grade. My personal advice is to do well throughout the semester, so you don't have to worry about another final, allowing you to focus your efforts on the other classes that do require a final exam.

*** Final grade will NOT be rounded up.

Stay connected on social media by following #Gatorfeeds for practice questions and extra material. Also, you may send the instructors exam questions by e-mail (afaciola@ufl.edu) until the Friday morning (11 AM) prior to the exam. The best questions from students may be featured in the following exam! If you send a good

question (with a correct answer) chances are that you will have a free question on the following exam! You can review your exams for **one week** after grades have been posted. After one week, exams will be archived and no longer available for revisions.

***** TOP 10 TIPS FOR STUDENT SUCCESS:**

1. Attend class consistently.
2. Engage actively—ask questions and participate.
3. Focus on understanding concepts; seek clarification when needed.
4. Take organized, detailed notes.
5. Use TA office hours for extra help.
6. Study regularly—avoid cramming before exams.
7. Find a study buddy to review and quiz each other.
8. Attend pre- and post-exam reviews for insights.
9. Practice smart test-taking—start easy, manage time, and stay concise.
10. Prioritize exams—don't miss them!

Course textbook: none required:

All information will be given through lecture, class material will be provided on [Canvas](#) during the semester. You may download these, print them, and bring them to class. If you wish to have extra material, the following book can be a good source of information: Animal Feeds, Feeding and Nutrition, and Ration Evaluation. Author: David Tisch.

Absences and make-up work:

Class attendance is not mandatory but strongly encouraged. Requirements for class attendance, assignments and other work are consistent with university policies that can be found [here](#).

Accommodations for Students with Disabilities:

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center. See the "[Get Started With the DRC](#)" webpage on the Disability Resource Center site. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

In-Class Recording:

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal education use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A "class lecture" is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and deliver by an instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentation such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or guest lecturer during a class session.

Publication without permission of the instructor is prohibited. To "publish" means to share, transmit, circulate, distribute, or provide access to a recording, regardless, of format or medium, to another person (or persons),

including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third-party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

Our class sessions may be audio visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who unmute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

Online Course Evaluation Process:

Student assessment of instruction is an important part of efforts to improve teaching and learning. At the end of the semester, students are expected to provide feedback on the quality of instruction in this course using a standard set of university and college criteria.

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals.

Guidance on how to give feedback in a professional and respectful manner is available at:

<https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at: <https://gatorevals.aa.ufl.edu/public-results/>.

Academic honesty:

UF students are bound by The Honor Pledge which states “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Conduct Code specifies a number of behaviors that are in violation of this code and the possible sanctions. See the [*UF Conduct Code website for more information*](#). If you have any questions or concerns, please consult with the instructor or TAs in this class.

Academic honesty is expected not only during class time and TA office hours, but also at TA exam reviews and in all online platforms, including GroupMe, Facebook, Twitter, Instagram, etc.

It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks (e.g. assignments, papers, quizzes, exams). It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: <https://policy.ufl.edu/regulation/4-040/>

Software use:

All faculty, staff and students of the university are required and expected to obey the laws and legal agreements

governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

Campus Helping Resources:

Students experiencing crises or personal problems that interfere with their general wellbeing are encouraged to utilize the university's counseling resources. The Counseling & Wellness Center provides confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.

Whole Gator App:

The Whole Gator and website and app connects UF students with resources dedicated to supporting overall health and well-being. In addition to many of the resources below it also has strategies to practice self-care. <https://one.uf.edu/whole-gator/topics>

Health and Wellness:

- U Matter, We Care: If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit [U Matter, We Care website](#) to refer or report a concern and a team member will reach out to the student in distress.
- Counseling and Wellness Center: [Visit the Counseling and Wellness Center website](#) or call 352-392-1575 for information on crisis services as well as non- crisis services.
- Student Health Care Center: Call 352-392-1161 for 24/7 information to help you find the care you need, or [visit the Student Health Care Center website](#).
- University Police Department: [Visit UF Police Department website](#) or call 352- 392-1111 (or 9-1-1 for emergencies).
- UF Health Shands Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; [Visit the UF Health Emergency Room and Trauma Center website](#).
- GatorWell Health Promotion Services: For prevention services focused on optimal wellbeing, including Wellness Coaching for Academic Success, visit the [GatorWell website](#) or call 352-273-4450.
- Student Success Initiative, <http://studentsuccess.ufl.edu>.

Academic Resources:

- E-learning technical support: Contact the [UF Computing Help Desk](#) at 352-392- 4357 or via e-mail at helpdesk@ufl.edu.
- [Career Connections Center](#): Reitz Union Suite 1300, 352-392- 1601. Career assistance and counseling services.
- [Library Support](#): Various ways to receive assistance with respect to using the libraries or finding resources. Call 866-281-6309 or email ask@ufl.libanswers.com for more information.

- Teaching Center: 1317 Turlington Hall, 352-392-2010 or to make an appointment 352- 392-6420. General study skills and tutoring.
- Writing Studio: Daytime (9:30am-3:30pm): 2215 Turlington Hall, 352-846-1138 | Evening (5:00pm-7:00pm): 1545 W University Avenue (Library West, Rm. 339). Help brainstorming, formatting, and writing papers.
- Academic Complaints: Office of the Ombuds; [Visit the Complaint Portal webpage for more information.](#)
- Enrollment Management Complaints (Registrar, Financial Aid, Admissions): [View the Student Complaint Procedure webpage for more information.](#)

Student Complaints:

- Residential Course: <https://www.ombuds.ufl.edu/complaint-portal/>
- Online Course: <https://pfs.tnt.aa.ufl.edu/state-authorization-status/#student-complaint>

Tentative lecture schedule:

Date	Day	Schedule	Exams
12-Jan	mon	Syllabus, intro to class	
14-Jan	wed	Anatomy and physiology of the GIT	
19-Jan	mon	Holiday	
21-Jan	wed	Anatomy and physiology of the GIT	
26-Jan	mon	Anatomy and physiology of the GIT	
28-Jan	wed	Protein nutrition	
2-Feb	mon	Protein nutrition	
4-Feb	wed	Protein nutrition	
9-Feb	mon	EXAM 1	EXAM 1
11-Feb	wed	Carbohydrate nutrition	
16-Feb	mon	Carbohydrate nutrition	
18-Feb	wed	Carbohydrate nutrition	
23-Feb	mon	Carbohydrate nutrition	
25-Feb	wed	Lipid nutrition	
2-Mar	mon	EXAM 2	EXAM 2
4-Mar	wed	Lipid nutrition	
9-Mar	mon	Lipid nutrition	
11-Mar	wed	Feed analysis	
16-Mar	mon	Spring break	
18-Mar	wed	Spring break	
23-Mar	mon	Feed analysis	
25-Mar	wed	Feed analysis	
30-Mar	mon	EXAM 3	EXAM 3
1-Apr	wed	Digestibility measurements	
6-Apr	mon	Digestibility measurements	
8-Apr	wed	Digestibility measurements	
13-Apr	mon	Energy	
15-Apr	wed	Energy	
20-Apr	mon	Energy	
22-Apr	wed	EXAM 4	EXAM 4
30-Apr	wed	FINAL EXAM (12:30-2:30 PM)	FINAL EXAM

Disclaimer: Information in the syllabus is subject to change as the instructor sees fit, or as required by UF, IFAS, CALS, or the Department, provided that reasonable notice is given to the students.

Tentative TA office hours schedule: (TBA)