

**ANS 3006**  
**INTRODUCTION TO ANIMAL SCIENCE**  
*Spring Semester 2025*

**Instructor**

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**TAs:**

Kaylee Young

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Lexi Coutre

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**\*Communication Expectations:**

Spring student consultations will be handled via phone, email, Zoom, Teams, or in-person. ***You can expect a response from your instructor within 48 hours, excluding holidays and weekends.***

**Course Technology**

In this course, we will be utilizing eLearning at [elearning.ufl.edu](http://elearning.ufl.edu) to share content, pre-recorded lectures, and assignments. You will also be expected to monitor grades as well as course announcements for important updates and information in Canvas. Lecture outlines and supplements will also be available for you to download as needed.

**Technical Issues**

If you require assistance resolving technical issues, please contact the UF Helpdesk by [visiting the helpdesk website](#) or calling 352-392-4357. Additionally, you should notify the instructors of technical issues as soon as they occur so they can decide to make accommodations for submitting late assignments.

**Course Description**

Role of aquaculture, beef cattle, dairy cattle, goats, horses, poultry, sheep and swine in serving humans. Introduction to nutrition, growth, reproduction, meats and genetics related to improving livestock production.

**Reference Text – Not Required**

None Required

## **Course Information**

This course is taught using a flipped classroom model. Although the lab is not a required course for non-Animal Sciences majors and may be taken in a separate semester from the lecture, it is strongly recommended you take ANS 3006L Introduction to Animal Sciences Laboratory in the same semester as the ANS 3006 Introduction to Animal Sciences lecture. Lecture and lab material are designed and presented in a way to maximize your learning experience. Grading for lecture and lab are independent of each other.

## **Course Objectives**

1. Analyze the broad scope of disciplines and opportunities existing in the livestock industry and their contribution to humans.
2. Describe the basic principles of Animal Sciences.
3. Recognize the purpose, proper usage, and impact of management techniques used in the various livestock industries.
4. Develop an insight into the problems and status of livestock production.
5. Realize the affiliation that exists between livestock production and other agricultural enterprises.
6. Develop an appreciation of the various livestock industries.

## **Schedule**

***MWF 2 period (8:30 AM – 9:20 AM)***

***ANS156***

***Lecture:*** Recordings to be watched asynchronously via Canvas each week ***prior to*** the corresponding discussion periods on Mondays and Wednesdays.

***Pre-Module Quizzes:*** A pre-quiz must be taken to unlock each week's module to access pre-recorded lectures in Canvas. New research indicates pre-testing can be an effective study strategy. Researchers believe errors on pre-tests help spur your curiosity, prime you to find the correct answers when you do interact with new material, and connect your background knowledge to the new material.

***Discussions:*** Meet twice per week on Mondays and Wednesdays in small groups to discuss lecture topics, complete and submit quizzes (IRATS/TRATS), complete professional development and in-class application activities, as well as seek guidance on out-of-class assignments.

***Quizzes (IRATS/TRATS):*** Each week ***in class***, you will take a quiz on the module lecture material you watched or read before coming to class. These short quizzes are called readiness assurance tests. You will first take an individual readiness assurance test (IRAT), then have an opportunity to work in a small group to take the same quiz as a team (TRAT). Questions you missed on your IRAT can be changed and re-submitted on the TRAT as you all work collaboratively to better understand the material and even teach your peers.

***Quests:*** Every other week (as noted in the class schedule on the syllabus), a quest assessment will be given covering two lecture topics on Fridays during the scheduled class meeting time. Quests are shorter than tests, but longer than quizzes....hence the name, "Quests."

***In-Class Office Hours:*** During the week a quest is not scheduled, students will attend "office hours" during Friday's class meeting time to receive additional help on assignments, clarify missed questions on quizzes and previous quests, as well as review for upcoming quests.

## **Course Format**

We will use a three-step approach to teach and assess instructional modules:

1. **Preparation:** you will be required to complete module learning activities, primarily pre-quizzes, pre-recorded lectures, and readings, *prior to* your weekly discussion periods. **Each module pre-quiz must be completed to access the module pre-recorded lectures and readings. Pre-quizzes will be due every Saturday by 11:59 PM** to ensure you will have ample time to watch pre-recorded lectures and complete module readings before in-class discussions. **Each module pre-quiz is worth 5 points and points will be awarded for completion and not accuracy. No pre-quizzes will be dropped from the overall grade.**
2. **In-Class Readiness Assurance Testing:** Your preparation and understanding of each lecture module will be assessed by an IRAT/TRAT quiz each week *in class*. Near the beginning of the Monday discussion periods each week, you will be given an individual readiness assurance test (IRAT). Afterwards, you will be assigned to a small group where you will take a team readiness assurance test (TRAT). The TRAT will be the same test you took for your IRAT. As an individual and team, you will receive immediate feedback on your answers.
3. **Each module IRAT/TRAT will be worth 10 points.** As a result, tardiness and absences will have a negative impact on your overall grade. **You will be allowed to drop your two lowest IRAT/TRAT grades for the semester.**
4. **In-Class Application and Professional Development Exercises:** you will work individually and/or in small groups to complete exercises designed to help you apply and extend your knowledge of the module instruction you prepared for and were assessed on in the module IRAT/TRAT quizzes. Additionally, you may be asked to give your opinions during class discussions on relevant subject matter using information gained from the course. The goal is to increase engagement, explore concepts, provide real-time monitoring of concepts, and develop positive professional habits. In most cases, scores will be based on participation rather than correctness. **These assignments will be worth 10 points each. You will be allowed to drop your lowest three in-class application and professional development assignments.**

This approach incentivizes learning the material beforehand, attending classes, and contributing to team assignments, while also holding you accountable for coming to class prepared and working with your peers as a team.

### **Class Attendance:**

Daily attendance records will not be maintained for discussions. However, the materials for quests, out of class assignments, as well as in-class application and professional development assignments will be taken from the subject matter presented in the discussion periods.

Requirements for class attendance, make-up exams and other work in this course are consistent with university policies that can be found at: <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>.

## **Out-of-Class Assignments**

**Nine out-of-class assignments**, which include career surveys and problem-based assignments will be assigned. **Out-of-class assignments have varying point values, so please refer to the list below and Canvas to determine how much each is worth. Each out-of-class assignment is by 11:59 PM on the following dates:**

Career Survey: 10 points	Friday, January 12
Introduction Discussion: 10 points	Friday, January 19
Poultry Layer Housing Options & Assessments: 25 points	Friday, February 2
Comparative Animal Anatomy: 25 points	Friday, February 16
Mid-Term Professional Self-Evaluation: 15 points	Friday, March 1
Animal Welfare Audit: 25 points	Friday, March 22
How Much Water? Life Cycle Assessment Rough Draft 1: 25 points	Friday, April 5
How Much Water? Life Cycle Assessment Final Draft: 15 points	Friday, April 19
Final Career Survey: 10 points	Friday, April 26

All out-of-class assignments will be posted in Canvas and will be submitted through Canvas. **All out-of-class assignments will count towards the final grade and may be submitted up to one week late with a 10% per day deduction.**

## **Quests:**

Rather than administering longer, less frequent tests, quests will be completed every two weeks. Quests will cover the previous two modules. **Each quest is worth a total of 50 points.** A total of seven quests will be administered throughout the semester. **Your lowest quest grade will be dropped for the semester.**

Quest 1:	Friday, January 31	50 points
Quest 2:	Friday, February 14	50 points
Quest 3:	Friday, February 28	50 points
Quest 4:	Friday, March 14	50 points
Quest 5:	Friday, April 4	50 points
Quest 6:	Friday, April 18	50 points
Quest 7:	<b>Wednesday</b> , May 1	50 points

**Note: All quests are to be taken at their scheduled times. Make-up quests will only be given for prior excused absences and absences consistent with the university's make-up policies (<https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>).** When appropriate, arrangements need to be made prior to the quest day.

*\*\*\*Reviews for the quests will be scheduled prior to the exam – students should monitor Canvas and in-class announcements for dates, times, and modality (in-person vs. virtual).*

## **Grading System:**

13 Pre-quizzes @ 5 points each	65 points
11 IRAT/TRATs @ 10 points each	110 points
10 In-class Application and Professional Development Activities @ 10 points each	100 points
6 Quests @ 50 points each	300 points
<u>9 Out-of-Class Assignments</u>	<u>160 points</u>
	735 points

## **Final Grades**

Final grades will be determined by calculating the percentage of points earned out of total points available. That percentage will correspond to a letter grade. No component will be given extra weight so you should be able to easily calculate your current grade and the number of points you need to get the final grade you desire. Letter grades will be assigned as follows:

≥90.0%	A	≥77.0% - <80.0%	C+	≥63.0% - <67.0%	D
≥87.0% - <90.0%	B+	≥70.0% - <77.0%	C	<60.0%	E
≥80.0% - <87.0%	B	≥67.0% - <70.0%	D+		

## **Grades and Grade Points**

For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>

## **Diversity, Inclusion and Equity**

The Department of Animal Sciences believes an inclusive, equity-minded environment includes access to higher- and continued education. We develop flexible, efficient, and accessible learning environments that welcome and support diversity. Diversity can include disability, age, socioeconomic status, ethnicity, race, nationality, religion, gender identity, sexuality, and culture. We expect all our community members (students, staff, and faculty) to act respectfully towards others (online and in person) and to utilize differences of opinion as learning opportunities. We also want you to feel comfortable asking for reasonable accommodations so that all students can participate in this course equitably. Please consult the Disability Resource Center <https://disability.ufl.edu/> for further questions.

## **Academic Honesty, Software Use, Campus Helping Resources, Services for Students with Disabilities**

### ***Student Honor Code***

As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity." You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit 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."

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). Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. 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: <http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code>.

#### *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.

#### ***Services for Students with Disabilities:***

The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center. [Click here to get started with the Disability Resource Center](#). 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.

0001 Reid Hall, 352-392-8565, <https://disability.ufl.edu/>

#### *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.

#### ***Health and Wellness:***

- *U Matter, We Care:* If you or someone you know is in distress, please contact [umatter@ufl.edu](mailto: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](#).

### *Academic Resources:*

- *E-learning technical support:* Contact the [UF Computing Help Desk](#) at 352-392-4357 or via e-mail at [helpdesk@ufl.edu](mailto: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.
- [Teaching Center](#): Broward Hall, 352-392-2010 or to make an appointment 352- 392-6420. General study skills and tutoring.
- [Writing Studio](#): 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers.
- *Student Complaints On-Campus:* [Visit the Student Honor Code and Student Conduct Code webpage for more information.](#)
- *On-Line Students Complaints:* [View the Distance Learning Student Complaint Process.](#)

### *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/>.

### **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 educational 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 delivered by any 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 presentations 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 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.



## Tentative Lecture Schedule

Week	Lecture Topic(s)	Day	In-Class Activities, Discussion Topic(s), and Quest Schedule	Out-of-Class Assignments
1	Course Introduction and Overview	<b>Monday, Jan. 13</b>	<b>Classes Start: What is Animal Sciences?</b>	
		Wednesday, Jan. 15	Curiosity Killed the Class	
		<b>Friday, January 17</b>	<b>No Class – Watch Module 1 Lecture Videos</b>	<b>Career Survey</b>
2	Introduction to Animal Sciences	<b>Monday, Jan. 20</b>	<b>No Classes – MLK Jr. Day</b>	
		Wednesday, Jan. 22	The Role of Animals in Sustaining a Growing World	
		<b>Friday, Jan. 24</b>	In-Class Office Hours: Quest 1 Introduction to ANS Review Sheet	<b>Introduction Discussion</b>
3	Animal Behavior and Welfare	Monday, Jan. 27	Animal Welfare and Behavior Applications	
		Wednesday, Jan. 29	A Guide to Assessing & Auditing Animal Welfare	
		<b>Friday, Jan. 31</b>	<b>Quest 1</b>	
4	Animal Health	Monday, Feb. 3	Animal Health Applications and Introduction to Quality Assurance Programs	
		Wednesday, Feb. 5	Case Studies in Animal Health	
		<b>Friday, Feb. 7</b>	In-Class Office Hours: Quest 1 Corrections Quest 2 Welfare Review Sheet	<b>Poultry Layer Housing Options &amp; Assessments</b>
5	Nutrition	Monday, Feb. 10	Nutrition Applications	
		Wednesday, Feb. 12	Introducing Comparative Anatomy	
		<b>Friday, Feb. 14</b>	<b>Quest 2</b>	
6	Reproduction	Monday, Feb. 17	Reproduction Applications	
		Wednesday, Feb. 19	Estrous Cycle Applications	
		<b>Friday, Feb. 21</b>	In-Class Office Hours: Quest 2 Corrections Quest 3 Reproduction Review Sheet	<b>Comparative Animal Anatomy</b>
7	Genetics	Monday, Feb. 24	Livestock through the Decades	
		Wednesday, Feb. 26	EPD Case Studies	
		<b>Friday, Feb. 28</b>	<b>Quest 3</b>	

Week	Lecture Topic(s)	Day	In-Class Activities, Discussion Topic(s), and Quest Schedule	Out-of-Class Assignments
8	Poultry	Monday, March 3	Poultry Industry Applications	
		Wednesday, March 5	Biosecurity Applications & Discussion	
		<b>Friday, March 7</b>	In-Class Office Hours: Quest 3 Corrections Quest 4 Poultry Review Sheet	<b>Mid-Term Professional Self-Evaluation</b>
9	Dairy	Monday, March 10	Dairy Industry Applications	
		Wednesday, March 12	Introduction to Life Cycle Analyses	
		<b>Friday, March 14</b>	<b>Quest 4</b>	
<b>10</b>	<b>Spring Break</b>	<b>March 17-21</b>	<b>No Class</b>	
11	Beef	Monday, March 24	Beef Industry Applications	
		Wednesday, March 26	How Much Water Peer Reviews	
		<b>Friday, March 28</b>	In-Class Office Hours: Quest 4 Corrections Quest 5 Beef Review Sheet	<b>How Much Water Rough Draft Submission 1</b>
12	Equine	Monday, March 31	Equine Industry Applications	
		Wednesday, April 2	Horse Slaughter Discussion	
		<b>Friday, April 4</b>	<b>Quest 5</b>	
13	Swine	Monday, April 7	Swine Industry Applications	
		Wednesday, April 9	Animal Welfare Audit Part I: Live Animal Handling, Loading, and Transport	
		<b>Friday, April 11</b>	In-Class Office Hours: Quest 5 Corrections Quest 6 Swine Review Sheet	<b>Animal Welfare Audit</b>
14	Meats	Monday, April 14	Meat Industry Applications	
		Wednesday, April 16	How Much Water Revisions	
		<b>Friday, April 18</b>	<b>Quest 6</b>	
15	Sheep and Goats	Monday, April 21	Sheep and Goat Industry Applications	
		<b>Wednesday, April 23</b>	Livestock Industry Comparisons	
		<b>Friday, April 25</b>	<b>No Class – Reading Days</b>	<b>How Much Water Final Draft Final Knowledge Base &amp; Career Survey</b>
16	<b>Finals Week</b>	Wednesday, May 1 3:00-5:00 PM	<b>Quest 7</b>	