

# ANS 3006L: INTRODUCTION TO ANIMAL SCIENCE LABORATORY

## Spring 2024

### Lead Instructors

#### **Amie Imler**

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Office Hours: by appointment using

[https://outlook.office365.com/owa/calendar/aimler\\_bookings@uflorida.onmicrosoft.com/bookings/](https://outlook.office365.com/owa/calendar/aimler_bookings@uflorida.onmicrosoft.com/bookings/)

either in person or virtual using Microsoft TEAMS

#### **Allyson Trimble**

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Office Hours: by appointment using

<https://outlook.office365.com/owa/calendar/AllysonTrimblesAppointmentBooking@uflorida.onmicrosoft.com/bookings/>

***\*Communication Expectations:*** Fall student consultations will be handled via phone, email, Zoom, or Teams. Face-to-face meetings will be welcomed with an appointment. You can expect an email response from your instructors within 48 hours, excluding holidays and weekends.

### Guest Instructors

#### **Dr. Brittany Diehl, DVM: Health and Small Ruminants**

Email: [bn.diehl@ufl.edu](mailto:bn.diehl@ufl.edu)

#### **Mr. Clay Whitehead: Health and Small Ruminants**

Email: [jacobcwhitehead@ufl.edu](mailto:jacobcwhitehead@ufl.edu)

#### **Dr. Jason Scheffler: Dairy Products**

Email: [jscheff@ufl.edu](mailto:jscheff@ufl.edu)

#### **Kyle Mendes: Meats, Swine**

Email: [kmendes15@ufl.edu](mailto:kmendes15@ufl.edu)

### Reference Text (Not Required)

Introduction to Animal Science W. Stephen Damron

ISBN-10: 0-13-513486-2

### Course Technology

In this course, we will be utilizing eLearning at [elearning.ufl.edu](http://elearning.ufl.edu) to share content, assignments, and make announcements important to class. Virtual tours have also been created using a program called

Theasys and can be accessed, along with all accompanying material, on the homepage of this course under “Teaching Units.” You will not be using Theasys as a student, but simply viewing tours through this site.

### **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**

Laboratory experiences designed to accompany ANS 3006; must be registered for ANS 3006 concurrently or have already completed the lecture course.

### **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. Appraise 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 and their contributions to society.

### **Material and Supply Fees**

Please note this course has a material and supply fee of \$122.55

### **Lab Schedule**

| <b>Meeting Day and Time</b>  | <b>Meeting Periods</b> | <b>Class Number</b> | <b>Primary Location</b> | <b>Teaching Assistants</b>  |
|------------------------------|------------------------|---------------------|-------------------------|---|
| Tuesday<br>12:50 – 2:45 PM   | Period 6-7             |                     | ANS 151                 | Lead TA: Lauren Christopher<br>Lead TA: Gamiyah Germany<br>Alex Quattrocki<br>Jillian Runyon    |
| Tuesday<br>3:00 – 4:55 PM    | Period 8-9             |                     | ANS 151                 | Lead TA: Sydney Castillo<br>Lead TA: Fred “IV” Cone<br>Lead TA: Jordan Hartley<br>Prana Chugani |
| Wednesday<br>12:50 – 2:45 PM | Period 6-7             |                     | ANS 151                 | Lead TA: Nicole Brake<br>Lead TA: Taylor Riel<br>Hayden Hawes<br>Rylee Pustilnik                |
| Wednesday<br>3:00 – 4:55 PM  | Period 8-9             |                     | ANS 151                 | Lead TA: Sydney Brunson<br>Lead TA: Emily Winter  |

**\*Note: Face-to-face laboratories will meet at various locations throughout the semester and those locations will be noted in the lab schedule below, announced in lab, and posted on canvas. It is the student's responsibility to arrive at the correct location for laboratories and to be on time. Transportation will not be provided for labs.**

### **Course Format:**

- 1. Complete all pre-lab readings and assignments on Canvas by scheduled due dates **and prior** to attending synchronous face-to-face session each week.**
- 2. Attend a two-hour synchronous session face-to-face during your regularly scheduled lab period.**
- 3. Reflect on lab experiences using the post-lab considerations section of your lab sheet and other lab resources provided during lab.**
- 4. Complete all post-lab quizzes and assignments on Canvas by scheduled due dates.**

### **Pre-Laboratory Assignments**

There will be **13 pre-lab assignments** throughout the semester. Questions in the pre-lab assignment will **come from the Pre-Lab Knowledge portion** of your **module lab sheet**, which are found in each lab module on Canvas under the To Do List section. These assignments are designed to prepare you for the hands-on portion of the lab and their completion **prior** to lab each week is essential to your success in the lab.

These **pre-lab assignments will be completed and submitted by 11:59 PM the Sunday before your lab begins** in preparation for each week's lab. **Each pre-lab assignment will be worth 10 points.** No pre-lab assignments will be dropped from the grade.

We will use Canvas to complete and submit pre-lab assignments each week.

**Late Pre-Lab Assignments:** Late pre-lab submissions will be accepted after the original submission deadline up until 12:00 PM the day of your scheduled lab period with a 10% per day late penalty. Afterwards, no pre-lab assignments will be accepted without instructor approval and a valid university excused absence. Requirements for class attendance and assignments are consistent with university policies that can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

### **Laboratory Attendance**

Regular attendance is crucial to success in this lab course. It is the student's responsibility to arrive at the correct location for laboratories and to be on time.

**\*Please Note: It is the student's responsibility to provide their own transportation for face-to-face synchronous sessions.**

Lab attendance will be recorded each week during the lab's synchronous session. **Attendance will be 10 points each week.** At some point during the lab, a sign-in sheet will be available for students in the face-

to-face synchronous session to sign-in for your weekly attendance points. At the end of the semester, the **lowest lab attendance grade will be dropped** for a maximum total of 10 dropped attendance points.

***\*Please Note: THERE ARE NO MAKE-UPS ALLOWED FOR LABORATORIES. Switching sections for a given week is permissible with prior permission. If you fall ill during the semester, you must notify your instructors in a timely fashion so we can provide you with an alternative instructional option.***

Requirements for class attendance and assignments are consistent with university policies that can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

### **Laboratory Quizzes**

For each module, a quiz covering the module's material will **open** on the Canvas e-Learning site **Wednesday evening at 5:00 PM** and **close Friday evening at 11:59 PM** during the week of the assigned module. **Each quiz will be worth 10 points, except for Module 1 quiz that will be worth 20 points.** Your **lowest quiz grade will be dropped** for a maximum total of 10 dropped quiz points.

Each laboratory will have a lab sheet that can be downloaded and/or printed from the Canvas e-Learning site. This lab sheet will be a guide to the week's lab and can be used as a study aid for the module quizzes. Lab sheets will **not** be collected by the instructors for a laboratory grade. ***It is the student's responsibility to bring a copy of the lab sheet each week to lab – these will not be provided by the instructor or teaching assistants.***

**Late Quizzes:** No late quiz submissions will be allowed without instructor approval and a valid university excused absence. Requirements for class attendance and assignments are consistent with university policies that can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

### **Post-Laboratory Homework Polls**

For each module, you will be required to answer an extended response question. These homework polls **open** on the Canvas e-Learning site **Wednesday evening at 5:00 PM** and **close Friday evening at 11:59 PM** during the week of the assigned module. Each homework poll will be worth 10 points.

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

In addition to pre-laboratory assignments, lab attendance, and lab quizzes, there will be 7 out-of-class lab assignments throughout the semester. ***Due dates will be Sundays by 11:59 PM.*** It is your responsibility to follow posted deadlines.

- 3-2-1 Survey – 5 points
- Introductory Discussion – 10 points

**Late Work:** Out-of-class lab assignments will be accepted up to one week from the assignment due date with a 10% per day late penalty.

### **Final Grades**

**All** pre-lab assignments will count towards the final grade.

13 pre-lab assignments x 10 points = 130 pre-lab points

At the end of the semester, the **lowest lab attendance grade will be dropped** for a maximum total of 10 dropped attendance points.

*(13 synchronous session meetings X 10 attendance points per lab) – 10 drop points  
= 120 synchronous session attendance points possible*

Additionally, your **lowest quiz grade will be dropped** for a maximum total of 10 dropped quiz points.

*(10 quiz points per quiz x 11 quizzes +20 points for quiz 1) – 10 drop points = 120 quiz points possible*

**All** post-lab homework polls will count towards the final grade.

12 post-lab homework polls x 10 points = 120 pre-lab points

**All** out-of-class assignments will count towards the final grade.

There are 2 out-of-class assignments worth a total of 15 points.

**130 pre-lab assignment points + 120 synchronous session attendance points + 120 quiz points + 120 post-lab homework poll points + 15 Out-of-class assignment points = 505 points total for the semester**

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. Laboratory grades will be assigned as follows:

**Letter Grades:**

**≥ 90% A**

**≥ 70% - <80% C**

**< 60% E**

**≥ 80% - <90% B**

**≥ 60% - <70% D**

**Grades and Grade Points**

For information on current UF policies for assigning grade points, see

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

**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.

## **Dress Code**

Visiting farms requires appropriate clothing as a protective measure from several environmental hazards. These may include, but are not limited to, slobber, urine and various body fluids, manure, stinging insects, biting flies, hazardous plants, ropes and equipment, sun, and heat exposure and of course, a generous amount of dirt and grime. For your own protection you are required to wear sturdy closed-toe shoes, long pants and a sleeved (short or long) shirt for laboratory sessions.

***Specifically, for the Meats: Assigning Value lab, you will be entering a refrigerated, USDA inspected food handling facility. A shirt with sleeves, long pants and close-toe shoes must be worn. No jewelry aside from a plain wedding band is permissible. A coat or sweatshirt is strongly recommended.***

Furthermore, as representatives of this class, our department, and our university you are expected to always dress and act in a professional manner.

## **Risk Associated with the Use of Livestock and their Tissues**

Working with livestock is inherently risky. Many of these animals are capable of injuring people, especially when they are in the flight or fight mode inspired by a stressful situation. The instructors will work to provide students with the ability to manage livestock with minimal stress, thus lowering the risk of injury to people and animals.

Livestock species can carry microorganisms that can cause diarrhea and flu-like symptoms in humans. These microorganisms can be shed in an animal's feces and saliva. These organisms of concern such as *Salmonella*, *Campylobacter*, and *E.coli* can survive on the animal's hide or surroundings, and though unlikely could be present in/on meat. These pathogens can cause significant illness, especially to someone who is immunocompromised. Students should wash their hands after handling livestock and/or raw meat.

## **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 SPRING 2024 LAB SCHEDULE

| Date                        | Topic   | Location | Pre-Lab Assignments<br>Due Before Lab                          | Out-of-Class Assignments<br>Due During Week                    |
|-----------------------------|---|----------|--|--|
| January 9-10                | <b><i>No Lab – First Week of Classes</i></b>          |          |  |  |
| January 16-17               | Laboratory Overview<br>Speaking Livestock Terminology | ANS 151  | 3-2-1 Survey<br>Speaking Livestock Pre-Lab                     | 3-2-1 Survey<br>Introductory Discussion Board<br>Module 1 Quiz |
| January 23-24               | Animal Health, Welfare, and Small Ruminants           | ANS 151  | Animal Health, Welfare, and Small Ruminants Pre-Lab Submission | Module 2 Quiz<br>Complete Homework Poll                        |
| <b><i>January 30-31</i></b> | <b><i>No Lab – IPPE and NCBA</i></b>                  |          |  |  |
| February 6-7                | Nutrition   | ANS 151  | Nutrition Pre-Lab Submission                                   | Module 3 Quiz<br>Complete Homework Poll                        |
| February 13-14              | Reproduction  | ANS 151  | Reproduction Pre-Lab Submission                                | Module 4 Quiz<br>Complete Homework Poll                        |

| <b>Date</b>    | <b>Topic</b>  | <b>Location</b>             | <b>Pre-Lab Assignments<br/>Due Before Lab</b>   | <b>Out-of-Class Assignments<br/>Due During Week</b> |
|----------------|---|-----------------------------|---|---|
| February 20-21 | Dairy<br>Milking and Cow Herd Management<br>Calf Development and Management | Dairy<br>Research Unit      | Dairy Unit Virtual Tour Pre-lab<br>Submission<br>Dairy Calf Unit Virtual Tour Pre-lab<br>Submission | Module 5 Quiz<br>Complete Homework Poll             |
| February 27-28 | Dairy Products  | ANS 151                     | Dairy Products Pre-Lab Submission   | Module 6 Quiz<br>Complete Homework Poll             |
| March 5-6      | Equine  | Horse<br>Teaching Unit      | Equine Unit Virtual Tour Pre-lab<br>Submission  | Module 7 Quiz<br>Complete Homework Poll             |
| March 12-13    | <b><i>No Lab – Spring Break</i></b>   |                             |   |   |
| March 19-20    | Swine   | Swine Unit                  | Swine Unit Virtual Tour Pre-lab<br>Question Submission  | Module 8 Quiz<br>Complete Homework Poll             |
| March 26-27    | Beef  | South Beef<br>Teaching Unit | Beef Unit Virtual Tour Pre-lab<br>Submission  | Module 9 Quiz<br>Complete Homework Poll             |

| <b>Date</b> | <b>Topic</b>  | <b>Location</b> | <b>Pre-Lab Assignments<br/>Due Before Lab</b>         | <b>Out-of-Class Assignments<br/>Due During Week</b> |
|-------------|---|-----------------|---|---|
| April 2-3   | Poultry Anatomy and Physiology  | ANS 151         | Poultry Anatomy/Physiology Pre-Lab Submission         | Module 10 Quiz<br>Complete Homework Poll            |
| April 9-10  | Shell Egg Production and Processing                                   | ANS 151         | Poultry Shell Egg Pre-Lab Submission                  | Module 11 Quiz<br>Complete Homework Poll            |
| April 16-17 | Meats: Harvesting, Fabrication, Palatability, and Value Determination | Meats Lab       | Meats Processing Unit Virtual Tour Pre-lab Submission | Module 12 Quiz<br>Complete Homework Poll            |
| April 23-24 | Communicating Animal Sciences Course Wrap-Up                          | ANS 151         | Communicating Animal Sciences Pre-Lab Submission      | Complete Homework Poll                              |