# ANS 3006
# INTRODUCTION TO ANIMAL SCIENCE
## *Spring Semester 2021*

### Instructor
Amie Imler
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Office Hours:  Mondays 3:00 – 4:00 PM via Zoom (ID: 481-418-9771 and passcode: Amie)
  or by appointment: *https://amieufansci.youcanbook.me/*

## *Communication Expectations:
Due to COVID-19, spring student consultations will be handled via phone, email, Zoom, or Teams. If the University's guidelines permit, face to face meetings will be welcomed with an appointment. ***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 to share content, pre-recorded lectures, assignments, and synchronous sessions. 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.

Synchronous sessions will be held via Zoom (UF Zoom website; Zoom Guides); you can access Zoom links for each synchronous session on the module page or by clicking Zoom Conferences in the left-hand navigation in the course.

### 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.

### 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.

## Course Information
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.

## Schedule
*Lecture:* Recordings to be watched asynchronously via Canvas each week prior to the corresponding discussion period

*Discussion:* Meet once per week in a small group to discuss lecture topics, complete in-class application and professional development assignments, and seek guidance on out-of-class assignments

| Meeting Day and Time | Meeting Periods | Class Number | Primary Location | Teaching Assistants |
|---|---|---|---|---|
| Monday 9:35 – 10:25 PM | Period 3 | 10569 | Online via Zoom | Megan Farinha |
| Tuesday 9:35 – 10:25 PM | Period 3 | 26038 | Online via Zoom | Avianna Luizzo |
| Wednesday 9:35 – 10:25 PM | Period 3 | 26039 32141 | Online via Zoom | Emily Awtry |
| Thursday 9:35 – 10:25 PM | Period 3 | 10571 26040 | Online via Zoom | Mallorie Williams Mitchell Singleton |
| Friday 8:30 – 9:20 PM | Period 2 | 26041 | Online via Zoom | Amber McGivern |
| Friday 9:35 – 10:25 PM | Period 3 | 10570 | Online via Zoom | **Ashley Cavallo – Lead TA** |

## Reference Text – Not Required
*Introduction to Animal Science*   W. Stephen Damron     ISBN-10: 0-13-513486-2

## Team-Based Learning Assignments
Team-based learning uses a three-step approach to teach instructional modules:

1. **Preparation:** you will be required to complete module learning activities, primarily pre-recorded lectures and readings, ***prior to*** your weekly discussion period. Your preparation and understanding will be assessed using an individual readiness assurance test (IRAT) following each module. **Each module IRAT is due by 8:00 AM on Monday each week and each IRAT is worth 10 points. No IRAT score will be dropped and IRATs cannot be turned in late.**
2. **In-Class Readiness Assurance Testing:** you will be assigned to a small group where you will take a team readiness assurance test (TRAT) during your assigned in-class discussion period. The TRAT is the same test you took for your IRAT. As a team, you will receive immediate feedback on your answers. All members of your team will share the same TRAT score. **Each TRAT will be submitted at the beginning of each in-class discussion period and each TRAT is worth 10 points. No TRAT score will be dropped and students must be present for the duration of the TRAT activity to receive their TRAT score.** As such, it is imperative you are logged into Zoom for your synchronous in-class

discussion period at the start of each class – tardiness and absences will have a negative impact on your overall grade.

3. **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 RATs. 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 two in-class application and professional development assignments.**

The Team-based Learning 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 exams, 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 knowledge base and career surveys, discussions, and a professional self-evaluation will be assigned. **Each out-of-class assignment will be worth 15 points and by 11:59 PM on the following dates:**

| | |
|---|---|
| Knowledge Base & Career Survey | Saturday, January 16, 2021 |
| Introduction Discussion | Saturday, January 23, 2021 |
| Comparative Animal Nutrition | Saturday, January 30, 2021 |
| Livestock through the Decades | Saturday, February 13, 2021 |
| Mid-Point Professional Self-Evaluation | Saturday, February 27, 2021 |
| Animal Welfare Audit | Saturday, March 13, 2021 |
| How Much Water? Life Cycle Assessment Rough Draft | Saturday, March 27, 2021 |
| How Much Water? Life Cycle Assessment Final Draft | Saturday, April 10, 2021 |
| Final Knowledge Base & Career Survey | Saturday, April 24, 2021 |

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

## Quests:
Rather than administering weekly quizzes or longer, less frequent tests, quests will be due 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: | Saturday, January 23, 2021 | 50 points |
| Quest 2: | Saturday, February 6, 2021 | 50 points |
| Quest 3: | Saturday, February 20, 2021 | 50 points |
| Quest 4: | Saturday, March 6, 2021 | 50 points |
| Quest 5: | Saturday, March 20, 2021 | 50 points |
| Quest 6: | Saturday, April 3, 2021 | 50 points |
| Quest 7: | Saturday, April 17, 2021 | 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 zoom links.*

## Grading System:

| | |
|---|---|
| 14 IRAT @ 10 points each | 140 points |
| 10 TRAT @ 10 points each | 100 points |
| 8 In-class Application and Professional Development Activities @ 10 points each | 80 points |
| 6 Quests @ 50 points each | 300 points |
| 9 Out-of-Class Assignments @ 15 points each | 135 points |
| | 755 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/

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

*Student Honor Code*
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 Honor Code (sccr.dso.ufl.edu/process/student-conduct-code/) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to

appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

*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 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, 352-392-1575, or visit umatter.ufl.edu/ to refer or report a concern and a team member will reach out to the student in distress.
- Counseling and Wellness Center: Visit counseling.ufl.edu/ 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 shcc.ufl.edu/.
- University Police Department: Visit police.ufl.edu/ 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; ufhealth.org/emergency-room-trauma-center.

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 career.ufl.edu/.

- Library Support: [cms.uflib.ufl.edu/ask](cms.uflib.ufl.edu/ask) 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. [teachingcenter.ufl.edu/](teachingcenter.ufl.edu/)
- Writing Studio: 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers. [writing.ufl.edu/writing-studio/](writing.ufl.edu/writing-studio/)
- Student Complaints:
  - On-Campus: [sccr.dso.ufl.edu/policies/student-honor- codestudent-conduct-code/](sccr.dso.ufl.edu/policies/student-honor- codestudent-conduct-code/)
  - On-Line Students Complaints: [distance.ufl.edu/student-complaint-process/ /](distance.ufl.edu/student-complaint-process/ /)

*Online Course Evaluation Process*
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 [gatorevals.aa.ufl.edu/students/.](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 [ufl.bluera.com/ufl/.](ufl.bluera.com/ufl/.) Summaries of course evaluation results are available to students at [gatorevals.aa.ufl.edu/public-results/.](gatorevals.aa.ufl.edu/public-results/.)

# Tentative Lecture Schedule

| Week | Lecture Topic(s) | Discussion Topic(s) | Out-of-Class Assignments | Quests |
|---|---|---|---|---|
| Jan. 11 – 15 | Introduction to Animal Sciences | | Knowledge Base & Career Survey | |
| Jan. 18 – 22 | Animal Health | No Discussion Meetings – MLK Jr. Holiday | Introduction Discussion | Quest 1 |
| Jan. 25 – 29 | Nutrition | | Comparative Animal Nutrition | |
| Feb. 1 – 5 | Reproduction | | | Quest 2 |
| Feb. 8 – 12 | Animal Behavior and Welfare | | Livestock through the Decades | |
| Feb. 15 – 19 | Genetics | | | Quest 3 |
| Feb. 22 – 26 | Poultry | No Discussion Meetings – Recharge Day | Mid-Point Professional Self-Evaluation | |
| March 1 – 5 | Dairy | | | Quest 4 |
| March 8 – 12 | Equine | | Animal Welfare Audit | |
| March 15 – 19 | Beef | | | Quest 5 |
| March 22 – 26 | Sheep and Goats | No Discussion Meetings – Recharge Day | How Much Water Rough Draft Submission | |
| March 2 – April 2 | Swine | | | Quest 6 |
| April 5 – 9 | Meats | | How Much Water Final Draft | |
| April 12 – 16 | Aquaculture | | | Quest 7 |
| April 19 – 23 | Course Wrap-Up | No Discussion Meetings – Reading Days | Final Knowledge Base & Career Survey | |