

## Course Title

**ANS 3008 Livestock Behavior & Welfare (3 credits)**

## Time and Location

- Online – lectures delivered asynchronously
- Synchronous (virtual) class sessions weekly are held via Zoom on most Wednesdays 11:45 – 12:35 (5<sup>th</sup> period), according to class schedule (Page 5 of this Syllabus).

## Course Instructor and Office Hours

**Emily Miller-Cushon, Ph.D.**

Office: Animal Sciences – Bldg 499, Room 104E

Email: emillerc@ufl.edu

Katie Gingerich, a PhD student studying Animal Behavior and Welfare in the Department of Animal Sciences.

Virtual office hours available with instructor and TA by appointment. We are here to answer any questions, so please reach out via Canvas inbox with any questions or to schedule a virtual face-to-face meeting. Questions relating to the lecture material can be posted in the weekly discussion thread to also benefit others.

## Course Description and Objectives

This course explores factors influencing the expression of animal behavior, and the ways understanding behavior may be used to assess and improve animal welfare. Basic principles will be illustrated with examples drawn from a wide range of species, both domestic and wild, but the focus of the course will be on applying concepts to understand the behavior and welfare of livestock. This course involves formal lectures and group discussion.

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

- Describe fundamental processes involved in development and control of behavior
- Discuss basic categories of behavior, drawing examples from different species
- Apply understanding of animal behavior to draw conclusions about animal welfare
- Consider how common management practices for livestock influence behavior and welfare
- Interpret and critically evaluate scientific literature in the field of animal behavior

## CLASS STRUCTURE

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*Course Website on Canvas:* Our course website can be found through login to Canvas (<http://elearning.ufl.edu>). All course material, including the syllabus, lectures, and content described below, are on Canvas. Grades and assignment feedback are also posted through Canvas. I will also use Canvas as the primary means to contact with you any important announcements.

If you are not yet familiar with using Canvas, please look at the Canvas ‘Getting Started’ Guide: [guides.instructure.com/m/8470](https://guides.instructure.com/m/8470). To make sure you are not missing any announcements, please make sure your Canvas settings are adjusted as follows:

- Go to your general **Canvas Settings** (upper right corner within Canvas) > **Notifications** (left menu bar) > **Notification Preferences**: here set to “**ASAP**” for (at least) Announcements.

*Lectures and course content:* Lectures are pre-recorded and available to you via Canvas, organized by topic within modules. In addition to these lectures, topics are covered through use of materials, such as short videos and additional reading, which are listed under the module to accompany the recorded lecture.

Each topic module links to a discussion thread, where you may post any comments or questions related to the content. The instructor and TAs will be monitoring this thread and posting replies, and you are also welcome and encouraged to respond to your classmates’ comments. Participation in class discussion boards will contribute to your ‘Class Participation’ grade, as described below.

*Weekly class meetings:* Class sessions are synchronous on Wednesday and held via Zoom, with your attendance counting towards your ‘Class Participation’ grade.

During these meetings, we will have a range of activities to complement lecture material, on dates as outlined in the syllabus. These will often involve some reading ahead of time, and incorporate discussion (e.g. using ‘breakout rooms’ to facilitate small group discussion). These live class sessions will also be used for review sessions during test weeks, and involve guest speakers during some weeks. Topic and any expectations, such as assigned reading, for the weekly synchronous class sessions are outlined in the Class Schedule (Page 5 of this Syllabus) and on Canvas under Modules.

*The following textbook is optional:*

Price, E. O. 2008. Principles & applications of domestic animal behavior. (2008) Principles and applications of domestic animal behavior. CAB International.

*Communication Expectations and Guidelines*

Please review our course policy on a few topics important for this online course, including online security, written communication guidelines, communication with class instructor and TA, discussion board etiquette, and synchronous class etiquette:

<https://ufl.instructure.com/courses/406165/pages/communication-expectations-and-guidelines>

**ASSIGNMENTS AND GRADING**

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Assignments will be graded according to rubrics posted on Canvas. Unless otherwise stated, you should expect timely feedback from class assignments and tests (within approximately one week of submission). The final grade in the course will be assigned based on numeric average, as described below.

**Marking scheme:**

<b>A</b>	92.5-100%	<b>B+</b>	87.5-89.4%	<b>C+</b>	77.5-79.4%	<b>D+</b>	67.5-69.4%	<b>E</b>	< 59.4
<b>A-</b>	89.5-92.4%	<b>B</b>	83.5-87.4%	<b>C</b>	73.5-77.4%	<b>D</b>	63.5-67.4%		
		<b>B-</b>	79.5-83.4%	<b>C-</b>	69.5-73.4%	<b>D-</b>	59.5-63.4%		

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

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

<b>Activity</b>	<b>Percentage of final grade</b>
Tests (3 during semester; 15% each)	<b>45%</b>
Assignments (3 during semester; 10% each)	<b>30%</b>
Independent research paper (Due Dec 14)	<b>15%</b>
Oral presentation	<b>5%</b>
Class attendance and participation	<b>5%</b>

*Tests:* There will be three non-cumulative tests completed during the semester to assess your knowledge of course material. See the Class Schedule for test dates. All tests are scheduled on Fridays. Each test will cover material introduced since the previous test, as specified in the schedule. Expect tests to consist of both multiple choice and short answer written questions. During each test week, the Wednesday synchronous class period will be a test review session. Testing will be conducted using Honorlock (please see more information non Page 6 of this Syllabus).

*Assignments:* There will be three short assignments due throughout the semester (see Class Schedule for due dates; cut-off time is 10 pm) on topics designed to complement lecture material. The complete guidelines and rubric for all assignments can be found on Canvas and these assignments will also be discussed during a synchronous class before the due date.

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*Independent research paper:* This class assignment will focus on a behavioral topic of your choosing (to be discussed during a synchronous class session and subject to instructor approval). This assignment will involve independent reading and research. You will be responsible for 1) reading and summarizing 4 peer-reviewed scientific journal articles (see ‘Tips for Finding Journal Articles’ on the course Canvas page), 2) describing unanswered questions related to your behavior topic, and 3) planning how you would go about conducting research to address an unanswered question. The complete guidelines and rubric for this assignment can be found on Canvas. Please note that correct spelling and grammar is important for college-level written assignments, and will factor into your grade. This assignment is intended to build on what you have learned in-class throughout the semester. It is in place of a conventional cumulative final exam and is due during the final exam period.

*Oral presentation:* Based on the behavior topic selected for the literature review, you will develop and record a brief summary of key findings on your individual topic, to share with your classmates and instructor (< 3 min in duration). During your presentation, you will concisely summarize and individually present some key facts on what you have independently learned about your behavior topic. You may use a few PowerPoint slides, simply record yourself speak, or use any other format you choose. These will be pre-recorded and uploaded to Canvas to be available for viewing during the last week of class, as outlined in the Class Schedule.

*Class participation:* This will be evaluated based on attendance during in-class meetings (held during period 5 on most Wednesdays, via Zoom) and participation in discussion boards. To ensure you receive full marks for participation, you should plan to attend all in-class activities (unless you have an excused absence, as defined below) and participate in required discussions.

### *Absences, Make-up Work, and Late Assignments:*

Assignments should be submitted by the assigned deadline. I will accept late assignments for up to 4 days after the posted deadline, with a penalty of 20 % for every day that the assignment is late. In the case of emergencies, please contact me as soon as possible to arrange to turn in assignments without penalty. Requirements for class and test attendance are consistent with university policy, and reasons for absence outside this policy will be considered unexcused and may result in a grade of zero for missed tests:

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

Please note: there will be no opportunities for make-up work or extra credit assignments, and grade point cut-offs are firm. To do well, I encourage you to keep up with lectures, carefully review all assignment guidelines and rubrics, take advantage of all learning opportunities (study review sessions, review guides), and visit with me early in the semester if you have any concerns. To avoid disappointment with final grades, I aim to provide informative feedback and transparent grading throughout the semester so that you know how you are progressing.

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### CLASS SCHEDULE

Class dates are color-coded by the test in which that material is assessed: Test 1 material is **blue**, Test 2 material is **green**, and Test 3 material is **orange**.

<b>Week</b>	<b>Modules to cover</b>	<b>Class topic</b>	<b>Other things to do</b>	<b>Deadlines</b>
1	<b>Introduction to animal behavior</b>	<i>Sept 2</i> - Introduction to the course	Post in Introductions discussion thread	
2	<b>Domestication and behavioral genetics</b>	<i>Sept 9</i> – Activity: Developing an ethogram Discuss Assignment 1		
3	<b>Learning and motivation</b>	<i>Sept 16</i> – Activity: Modeling motivation	Assigned reading before class	<b>Assignment 1</b> <i>Sept 18</i>
4		<i>Sept 23</i> - Test 1 review	Test review, bring questions to class or post in discussion	<b>Test 1</b> <i>Sept 25</i>
5	<b>Feeding behavior</b>	<i>Sept 30</i> – Activity: Foraging in captivity Discuss Assignment 2	Reading before class	
6	<b>Social behavior</b>	<i>Oct 7</i> – Guest presentation: Dr. Danielle Collins	Post questions in the discussion thread	
7	<b>Maternal and reproductive behavior</b>	<i>Oct 14</i> - Discussion of behavior topics and final class project	Bring ideas for your behavior topic to class and post in the discussion	<b>Assignment 2</b> <i>Oct 16</i>
8		<i>Oct 21</i> - Test 2 review	Test review, bring questions to class or post in discussion	<b>Test 2</b> <i>Oct 23</i>
9	<b>Abnormal behavior</b>	<i>Oct 28</i> – Discussion: Animal welfare topics Discuss Assignment 3	Find, read, and bring to class a news article describing an animal welfare issue	
10	<b>Animal welfare</b>	<i>Nov 4</i> – Animal welfare assessment	Assigned reading before class	
11	<b>Animal welfare, cont.</b>	<i>Nov 11</i> - No class		<b>Assignment 3</b> (Nov 13)
12		<i>Nov 18</i> - Test 3 review	Test review, bring questions to class or post in discussion	<b>Test 3</b> (Nov 20)
13	<b>Careers in animal welfare</b>	<i>Nov 25</i> - No class	Happy Thanksgiving!	
14		<i>Dec 2</i> – Guest presentation: Jessie Kull, USDA	Post in the ‘Careers in animal welfare’ discussion thread	<b>Oral presentation</b> (Dec 4)
15		<i>Dec 9</i> - Discussion: Independent research topics	Watch classmates’ presentations	

## OTHER IMPORTANT INFORMATION

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### *Technology requirements*

Computer requirements for this course are consistent with UF policy for student computing requirements, and likely similar to your other classes: <https://it.ufl.edu/policies/student-computing-requirements/>

This course uses **Canvas** for providing course content and **Honorlock** for proctoring exams. Please see the links below for important information regarding privacy and accessibility of these tools:

Canvas (Infrastructure) privacy policy: <https://www.instructure.com/policies/privacy>

Canvas (Infrastructure) accessibility statement:

<https://www.instructure.com/canvas/accessibility>

Honorlock privacy policy: <https://honorlock.com/student-privacy-statement/>

Honorlock accessibility statement: <https://honorlock.com/accessibility-statement/>

Honorlock is an online proctoring service that allows you to take your exam from the comfort of your home. You do not need to create an account, download software or schedule an appointment in advance. Honorlock is available 24/7 and all that is needed is a computer, a working webcam, and a stable Internet connection.

To prepare for taking an exam using Honorlock please review this document:

<https://dce.ufl.edu/media/dceufledu/pdfs/Honorlock-Student-Exam-Preparation-Information.pdf>

To get started, you will need Google Chrome and to download the Honorlock Chrome Extension. You can download the extension at [www.honorlock.com/extension/install](http://www.honorlock.com/extension/install)

When you are ready to test, log into Canvas, go to your course, and click on your exam. Clicking "Launch Proctoring" will begin the Honorlock authentication process, where you will take a picture of yourself, show your ID, and complete a scan of your room. Honorlock will be recording your exam session by webcam as well as recording your screen. Honorlock also has an integrity algorithm that can detect search-engine use, so please do not attempt to search for answers, even if it's on a secondary device. Honorlock support is available at all hours, so if you encounter any issues, you may contact them via live chat.

### *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 Honor Code (<http://www.dso.ufl.edu/sccr/process/student-conduct-honorcode/>) 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 TA 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.

### *Campus Helping Resources*

Students experiencing crises or personal problems that interfere with their general well-being 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 a friend is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu) or 352 392-1575 so that a team member can reach out to the student.

Counseling and Wellness Center:

<http://www.counseling.ufl.edu/cwc/Default.aspx>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Sexual Assault Recovery Services (SARS)

Student Health Care Center, 392-1161.

University Police Department, 392-1111 (or 9-1-1 for emergencies).

<http://www.police.ufl.edu/>

### *Academic Resources*

Career Resource Center, Reitz Union, 392-1601. Career assistance and counseling.

<http://www.crc.ufl.edu/>

Library Support, <http://cms.uflib.ufl.edu/ask>. Various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring.

<http://teachingcenter.ufl.edu/>

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Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers. <http://writing.ufl.edu/writing-studio/>

Student Complaints Campus:

[https://www.dso.ufl.edu/documents/UF\\_Complaints\\_policy.pdf](https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf)

### *Services for Students with Disabilities*

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

### *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. These evaluations are conducted online at <https://evaluations.ufl.edu>. Evaluations are typically open for students to complete during the last two or three weeks of the semester; students will be notified of the specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results>.