



# EQUINE HEALTH MANAGEMENT

ANS 3217C

## DESCRIPTION

*“An ounce of prevention is worth a pound of cure.”*

The horse industry is responsible for producing animals finely-tuned to perform a variety of tasks. Horses have adapted physically to perform as athletes, work livestock, and provide companionship. Keeping horses healthy in these diverse activities is a challenge. We will approach horse health from a physiological perspective. Learning to recognize a sick animal early on is key for successful treatment and prevention of health issues. Understanding how the horse and its pathogens function in their environment allows design of effective preventative strategies. Through class sessions and live animal labs students will learn techniques and gain experience in managing a healthy herd.

### ***Instructor:***

Dr. Samantha Brooks

[samantha.brooks@ufl.edu](mailto:samantha.brooks@ufl.edu)

Office, 231F ANS or 303 CGRC

### ***TA:***

Barclay Powell, [bbpowell@ufl.edu](mailto:bbpowell@ufl.edu)

### ***Class locations:***

Rm. 156, Animal Sciences

Building/Horse Teaching Unit/TBA

***Time:*** Per. 3, R, 9:35-10:25am

***Labs:*** Sec. 0233, Per. 6-7, 1:00-2:45pm

Sec. 4675. Per. 8-9, 3:10-4:55pm

### ***Office Hours:***

Thursday 10:30-11am or by Zoom

*Appointments suggested!*

## Catalog Description

Credits: 2; Prerequisites: ANS 3006C; AL-equine option major. Others with permission.  
Principles and practices for planning, executing, and maintaining equine herd health practices.

## Objectives

At the conclusion of this course students will have the ability to:

1. Perform typical measurements of equine physiology and behavior, as well as recognizing deviations from normal for these observations.
2. Understand the biological rationale behind basic health care techniques in the horse.
3. Infer preventative strategies based on the biology of various pathogens and parasites.
4. Develop appropriate skills in the use of biologics, anthelmintics and health care equipment.
5. Perform methods of restraint and training necessary for safe administration of horse health care.
6. Create and execute a herd health management plan.

## Class Format and Communication

Course materials and communications will be hosted on our Canvas eLearning site. Some assignments and assessments will only be accepted through Canvas! Correspondence for your instructor or TAs can be sent either through the Canvas messaging service, or the standard @ufl.edu system. Please be sure you change your canvas settings so that you receive course announcements daily, not once a week, so that you get messages on time!

Keep in mind that while email is fast and simple, you should always use a courteous and professional attitude when communicating with your instructors and fellow students. Please be polite, use complete and grammatically correct sentences, and limit use of slang and abbreviations. Here is a helpful guide on good email etiquette: <https://writingcommons.org/article/e-mail-guidelines-for-students/>

## Student Behavioral Expectations

The university released today a policy on student behavioral expectations in response to covid-19. <https://policy.ufl.edu/policy/student-behavioral-expectations-in-response-to-covid-19/>

Additionally, we have posted guidelines and expectations for navigating the Zoom classroom and on Canvas.

## Textbook

*AYHC Horse Industry Handbook, a guide to equine care and management*, 9<sup>th</sup> (2021) edition.

*Yes, the book really is necessary for the course, and yes, you will need it the first week.*

*No, you do not need to carry it to class each day.*

Published by the American Youth Horse Council:

<https://www.ayhc.com/product-page/horse-industry-handbook-9th-edition>

The textbook is available in the bookstore, or you may purchase the textbook online directly from the AYHC using the link above. *Please plan for extra shipping time (2-3 weeks) if you order from AYHC.* The book is available both new and used elsewhere, but you must be careful that the edition you purchase has all updates and is current through 2021. Older versions can be updated by purchasing update packs directly from AYHC.

### Course Credit and Assessments

- 40%- Three exams: two Mid-terms and one Final**, ~30 questions for each mid-term and ~50 for the final, comprising multiple choice, short answer, and short essay formats. The final is not cumulative, but good comprehension of concepts from the first half of class may be necessary in order to provide meaningful answers to questions on the final. On all exams we calculate the success rate for each and every question. Individual questions with a success rate lower than 50% are dropped from the exam as these may not have been clearly written, or cover a concept missed in the materials. Revised versions of these questions often re-appear on the final. Students have a maximum of 1 week after an exam is returned to dispute a grade on an exam. Disputes must be turned in on paper and include references to primary sources of information supporting the requested alternate answer in NIH format.
- 20%- Two group Projects**: “Disease Wiki” due at mid-term and “Behavior Observations” due at the end of the semester (both on the course schedule.) In the Disease Wiki project you will coordinate within your group to research and summarize key aspects of one infectious disease in the horse. The project will require work with your group both in-class and outside of normal class time. **Specifically, the behavior project requires a two-hour shift observing horses over an evening or weekend.** Observations will take place Please plan accordingly, as there is no way to make-up this important lab time.
- 20%- Twelve reading comprehension quizzes**: 6-8 questions each, to be completed prior to the beginning of each class. These quizzes are designed to check your knowledge of the material presented in assigned readings. Our readings provide necessary background material. Completing these prior to class is key for getting the most out of our in-class time together. Quizzes are held in the Canvas system, open 9am Monday, and are due 9am each Thursday of class.
- 20%- In-class assignments and Lab write-ups** (due at the end of each lab). These short assignments are completed in class and cover concepts specific to that activity. Lab locations are listed in the schedule at the end of this syllabus. Most of our in-person labs take place at the [IFAS Horse Teaching Unit](#) (link to google maps location).

### Grading Scale

93-100%- A	80-82.9%- B-	67-69.9%- D+
90- 92.9%- A-	77-79.9%- C+	63-66.9%- D
87-89.9%- B+	73-76.9%- C	60-62.9%- D-
83-86.9%- B	70-72.9%- C-	60% and Below- E

### 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/>.

### Dress Code

Working with horses on the farm requires appropriate clothing as a protective measure from a number of 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 ALL laboratory sessions. Flip-flops, sandals, bare midriffs, spaghetti-strap tops, shorts, short skirts and clothing that insufficiently covers your undergarments are epically unwise in a farm environment, and therefore specifically prohibited when in this class. Hats must be removed while in the classroom and during quizzes or exams. “Hat-hair” is not grounds for an exception to this rule.

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

### **Cell Phone, Laptops and Other Technology**

Cell phones must remain silenced and stored during class and labs unless specifically permitted for an activity or assignment.

Use of laptops, tablets, and internet connected devices is encouraged during specific sessions in this course. In particular, you will need your cell phone or tablet to complete paperless lab worksheets.

However, these devices do come with social responsibility. Students are expected to keep sounds turned off, not to distract those around them, and most of all to limit “multitasking” activities that will distract themselves (*ie* email and social media.) Excessive multitasking and disruptive use of electronic devices will result in a dismissal from the classroom.

### **Attendance and Make-Up Work**

This course requires active participation, hands-on labs and discussion with your peers. As such attendance is imperative, even if this attendance is in a virtual space.

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

If you feel ill, have a fever or experience any other symptoms of infectious disease please do not attend an in-person class session. However, as always, it is **your personal responsibility** to notify the instructor of the necessity of your absence and then to complete the make-up work as soon as it is possible for you to do so. Documentation of other approved but unexpected absences (family emergency etc.) must be presented **within five days** of the absence in order to receive make-up quizzes and assignments. University approved absences for sports and student organizations travel or activities must be disclosed at least **two weeks** in advance.

*Late assignments without an excuse will be penalized 25% for the first 24 hours beyond the due date, 50% for 24-48hrs late and will not be accepted thereafter.*

### **COVID-19 Policy**

In response to COVID-19, the following practices are in place to maintain your learning environment, to enhance the safety of our in-classroom interactions, and to further the health and safety of ourselves, our neighbors, and our loved ones.

• **If you are not vaccinated, get vaccinated.** Vaccines are readily available at no cost and have been demonstrated to be safe and effective against the COVID-19 virus. Visit this link for details on where to get your shot, including options that do not require an appointment:  
<https://coronavirus.ufhealth.org/vaccinations/vaccine-availability/>.

Students who receive the first dose of the vaccine somewhere off-campus and/or outside of Gainesville can still receive their second dose on campus.

- **You are expected to wear approved face coverings at all times** during class and within buildings even if you are vaccinated. Please continue to follow healthy habits, including best practices like frequent hand washing. Following these practices is our responsibility as Gators.
  - Sanitizing supplies are available in the classroom if you wish to wipe down your desks prior to sitting down and at the end of the class.
  - Hand sanitizing stations will be located in every classroom.
- If you sick, stay home and self-quarantine. Please visit the UF Health Screen, Test & Protect website about next steps, retake the questionnaire and schedule your test for no sooner than 24 hours after your symptoms began. Please call your primary care provider if you are ill and need immediate care or the UF Student Health Care Center at 352-392-1161 (or email [covid@shcc.ufl.edu](mailto:covid@shcc.ufl.edu)) to be evaluated for testing and to receive further instructions about returning to campus. UF Health Screen, Test & Protect offers guidance when you are sick, have been exposed to someone who has tested positive or have tested positive yourself. Visit the UF Health Screen, Test & Protect website for more information.
  - Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work.
  - If you are withheld from campus by the Department of Health through Screen, Test & Protect you are not permitted to use any on campus facilities. Students attempting to attend campus activities when withheld from campus will be referred to the Dean of Students Office.

• Continue to regularly visit [coronavirus.UFHealth.org](https://coronavirus.UFHealth.org) and [coronavirus.ufl.edu](https://coronavirus.ufl.edu) for up-to-date information about COVID-19 and vaccination.

### **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.

### **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 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 Integrity and Plagiarism**

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>.

***To help you navigate finding good quality references, citing sources appropriately and avoiding plagiarism we have partnered with your library to create a resource page specifically for this class:***  
<http://guides.uflib.ufl.edu/equinehealth>.

### **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 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.

- *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.
- *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.

### **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.

# Course Schedule

ANS 3217C, Brooks, Fall 2021

\*\*\*The course schedule is always subject to change to accommodate guest speakers/natural disaster!!!\*\*\*

<i>DATE</i>	<i>Class Topic</i>	<i>Lab</i>	<i>Lab Location</i>	<i>Readings/Chapter #</i>	<i>Due this week</i>
8/25	Intro/Euthanasia	Acupuncture – Dr. Mallicote Demo and Q&A	HTU	Syllabus, Canvas, 470, 425, 775, 780	Intro Survey Syllabus Quiz, Lab
9/1	Alternative Therapies	The Normal Horse	HTU	Canvas, 465, 645-665, 680, 685	Lab, Quiz
9/8	Infectious Disease I	First Aid	HTU	445, 605-630, 650, 655, 660, 670, 680, 685	Lab, Quiz
9/15	Infectious Diseases II	Vaccinations	HTU	440, 475, 1160	Lab, Quiz
9/22	Central Florida Equine Institute!!	Registration is <a href="#">HERE</a>	<a href="#">SELP</a>	Eq. Inst. proceedings book	Post- trip Quiz
9/29	<b>EXAM 1</b>	Diseases Wiki / Dentistry- Mr. Rowles	HTU	240, 405, Canvas	Lab, No-Quiz
10/6	Lameness I	Managing hoof health- Billy Bishop	HTU	505-555, 455, Canvas	Lab, Quiz
10/13	Lameness II/ Pre-purchase	Evaluating Lameness	HTU	215, 220-230, Canvas	Lab, Quiz
10/20	Behavior	Behavior /Group Projects	HTU	1220, 1240, Canvas	Diseases Wiki Project, Lab, Quiz
10/27	<b>EXAM 2</b>	Restraint- McQuagge		Canvas, 270, 280	Lab, Quiz
11/3	Internal Parasites I	Internal Parasites II /Parasite Evaluation	155 ANS	430 and Canvas	Lab, Quiz
11/10	External Parasites- Dr. Hogsette	External Parasite Control	Ent&Nem 2217	415 and Canvas	Lab, Quiz
11/17	Non-infectious Disease	Colic- Dr. House	HTU	435a, 460, 640, 670, 675, 795	Lab, Quiz
11/24	<b>Thanksgiving</b>	HOLIDAY!	-	-	-
12/1	Biosecurity/ Facility Design	Observations Presentations	ANS 151	-	Obv. Presentations
<b>12/16</b>	<b>FINAL EXAM Group C</b>	<b>12:30 PM - 2:30 PM</b>	-	-	-