



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

Class meetings:

Online, synchronous!

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

Lab, in person (with precautions!):

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

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

Office Hours:

Upon request by Zoom

Catalog Description

Credits: 2; Prerequisites: ANS 3006C; AL-equine option major.

Principles and practices for planning, implementing and maintaining equine herd health.

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. This year, as part of our **COVID-19 safety plan (described at the end of the syllabus)** we are going to use a hybrid format: on-line class sessions by Zoom at your regularly scheduled time and in-person but paperless labs divided in to small sub-groups. Please review the safety plan for details on procedures for the in-person sessions. There will be challenges associated with this hybrid format! Have patience and perseverance. What you learn here is important and by working together we will accomplish our goals in new ways!

Consent for recordings: Our class sessions may be audio visually recorded for students in the class to use as a reference. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

Assignments and assessments: only 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.

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. 2014 version.

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-1>

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 use this method. 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 2014. 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. This year these will be held within Canvas using the HonorLock proctoring system. 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. This 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. To adapt to our hybrid format, lab preparation materials will be online, and must be completed before lab begins. Most of our in-person labs take place at the [IFAS Horse Teaching Unit](#) (link to google maps location). The one major exception to this is our virtual field trip to the Florida Equine Institute. ***This is an all-day event on Sept. 10th, please notify other professors of your need to miss any classes.*** The event will be held online this year, but you will still be able to enjoy a full day of educational presentations from some outstanding guest speakers. The organizers will try to post recordings of the talks later in the day in order to help you work around scheduling conflicts. You will need to register online in advance for a nominal fee. Traditionally the trade fair at this event provided an excellent opportunity to meet with many potential future employers in the equine industry. We are working with the organizers to find creative ways to adapt this aspect of the experience to the new online format.

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 not only unwise in this environment, but are 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 now need your cell phone or tablet to complete the 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 lab session. Fully online make-up labs will be available following each 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 5 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.

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.ua.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.ua.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.

- *University Counseling & Wellness Center, 3190 Radio Road, 352-392-1575, www.counseling.ufl.edu/cwc/ Counseling Services, Groups and Workshops, Outreach and Consultation, Self-Help Library, Wellness Coaching*
- U Matter We Care, www.umatter.ufl.edu/
- Career Connections Center, First Floor JWRU, 392-1601, <https://career.ufl.edu/>.

Student Complaints:

- Residential Course: <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>.
- Online Course: <http://www.distance.ufl.edu/student-complaint-process>

COVID- 19 Safety Plan

- **Requirements for Students**

- To reduce our student density, each two-hour lab section will be divided in to two sub-groups, each arriving and leaving lab at different times for a one-hour in person session. To accomplish this, the lab prep materials will be available online, rather than given in the classroom session at the beginning of each lab. Students will be required to review these prep materials before arriving at lab each week.
- Per state, local and university policies, all students must use face coverings and social distancing while participating in labs. Students are responsible for providing their own face covering, and spares may be difficult to obtain when on the farm. Those without a face covering will not be allowed to participate.
- Handwashing with soap, for at least 20 seconds will be expected of students upon arrival to lab.
- To further reduce the passing of objects among students and staff, our labs will be entirely paperless. All handouts will be available online, and lab worksheets will be fillable using electronic devices like phones, tablets and laptops. Students who want to work on paper may also print these worksheets to bring with them to lab, then fill-in the online versions later that day based on their notes. Each student is responsible for their own electronic device or printed handouts.

- **Requirements for instructors**

- Instructors, including student TAs, will all use face coverings, social distancing and hand-washing procedures as required by University, local and state policy.

- **Ingress/egress process for the teaching space to maintain physical distance**

- For labs at the Horse Teaching Unit, students will enter via the pathway on the north side of the arena between the riding area and the classroom, stopping at the restroom on that corridor to wash their hands. Labs will take place in the “farrier” area at the north end of the stabling and behind the classroom. Materials will be organized into at least four stations in the teaching space (~1800 sq. feet) total, so that no more than 2-3 students need to be at each station at a time.

- **Cleaning procedures, especially for shared equipment**

- Nonporous lab materials and equipment will be cleaned between use using bleach in water or 70% alcohol, as recommended by the CDC (<https://www.cdc.gov/coronavirus/2019-ncov/community/reopen-guidance.html>).
- Porous materials like lead ropes and our horses, cannot be cleaned by these methods. In these cases, personal disinfection like handwashing and use of hand sanitizer will be crucial. Students are encouraged to carry small personal dispensers of hand sanitizer with them at lab.

- **Limited Seating**

- Labs requiring tables or seating will be set up by course instructors with required spacing and a limited number of chairs. Students are asked not to move tables or chairs in the teaching spaces.

- **Contingency plans for student or instructor illness**
 - Students experiencing signs of illness are asked not to attend in-person labs. Instead they may complete the activities using online resources, including pre-recorded video instruction and re-designed activities using household items.
- **Contingency plans for inclement weather**
 - Our primary Equine Health teaching space within the Sam Wall Arena is covered and protected from lightning strike/ high wind. In case of the sudden arrival of extreme weather (i.e. a tornado warning) students may need to seek shelter in the classroom space, just a few feet from our teaching area.
- **Contingency plans for meeting course objectives if the university has to cancel in-person instruction**
 - Alternate online-only labs will already be available for individual students experiencing illness. Should the University close to in-person instruction the entire class will be switched to this online-only format.

Course Schedule

ANS 3217C, Brooks, Fall 2020

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

DATE	Class Topic	Lab	Location	Readings/Chapter #	Due this week
9/3	Intro/Euthanasia	Acupuncture – Dr. Mallicote Virtual demo and Q&A	Virtual Field Trip	Syllabus, 470, 425, 775, 780	Intro Survey Syllabus Quiz
9/10	Alternative Therapies	The Normal Horse	HTU Arena	Handout, Canvas	Lab, Quiz
9/17	Equine Institute	ONLINE	Virtual Field Trip	645-665, 680, 685	Canvas worksheet
9/24	Infectious Disease I	First Aid	HTU	445, 605-630	Lab, Quiz
10/1	Infectious Diseases II /Biosecurity	Vaccinations	HTU	440, 465, 475, 1160	Lab, Quiz
10/8	EXAM 1	Diseases Wiki / Dentistry- Mr. Rowles	HTU/ Virtual	240, 405, Canvas	Lab, No-Quiz
10/15	Lameness I	Managing hooves- Bruce/Billy??	HTU	505-555, 455, Canvas	Lab, Quiz
10/22	Lameness II/ Pre-purchase	Evaluating Lameness	HTU	220-230, Canvas	Diseases Wiki Project, Quiz
10/29	Behavior	Behavior Observations Group Projects	HTU/ Virtual	1220, 1240, Canvas	Lab, Quiz
11/5	Internal Parasites I	Restraint- McQuagge??	Virtual?	430 and Canvas	Lab, Quiz
11/12	EXAM 2	Internal Parasites II /Parasite Evaluation	155 ANS	Canvas	Lab, Quiz
11/19	External Parasites- Dr. Hogsette	External Parasite Control	Ent&Nem 2217	415 and Canvas	Lab, Quiz
11/26	Thanksgiving	HOLIDAY!	-	-	-
12/3	Non-infectious Disease	Colic- Dr. House?	Virtual	435a, 460, 640, 670, 675, 795	Lab, Quiz
12/16	FINAL EXAM (HonorLock)	5:30 p.m. - 7:30 p.m. Exam Group 16E	CANVAS	-	-

