



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

Location:

Rm. 156, Animal Sciences/Horse Teaching Unit/TBA

Time:

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

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

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

Office Hours:

Thursday, 10-11am, or by appointment

Catalog Description

Credits: 2; Prerequisites: ANS 3006C; must be 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 in safe administration of health care.
6. Create and execute a heard health management plan.

Communication

Course materials and communications will be hosted on a Canvas e-Learning site. Some assignments and assessments will only be accepted through Canvas. Email can be sent either through the Canvas system, 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.

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.

Published by the American Youth Horse council: <http://www.ayhc.com/#!product-page/cn2k/085e539c-9755-5b86-2136-22629b3ff887>

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 from AYHC.

Course Credit and Assessments

- 40%**- Two exams: one Mid-term and one Final, ~50 questions each, multiple choice, short answer, short essay. 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.
- 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 a weekend. Observations will take place **October 14-16th this year**, 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 of our in class time together. Quizzes are held in the Canvas system, open 9am Wednesday, 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 labs take place in the classroom at the [IFAS Horse Teaching Unit](#) (link to google maps location). The one major exception to this is our field trip to the Florida Equine Institute. This is an all-day event, please notify other professors of your need to miss any classes. You are required to register, (link here) and will need to arrange transportation. Student registration is very reasonable and includes a *delicious* catered lunch, as well as the day’s educational presentations from some outstanding guest speakers. The trade fare provides an excellent opportunity to meet with many potential future employers in the equine industry, I suggest dressing smartly but comfortably. Car-pooling with other students works well, and we will have some space in vans if necessary.

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/ugrad/current/regulations/info/grades.aspx>

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 laboratory sessions. Flip-flops, sandals, bare midriffs, spaghetti-strap tops, shorts, short skirts and clothing that insufficiently covers your undergarments are specifically prohibited. Hats must be removed while in the classroom and during quizzes or exams. Hat-hair is not an exception to this rule.

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

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. 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.

University policies for class attendance and make-up exams, assignments and other work can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

It is your personal responsibility to obtain information presented in class. Documentation of approved absences (personal illness, family emergency etc.) must be presented within 5 days for arrangements to be made to make-up quizzes and assignments. University approved absences for sports and student organizations must be disclosed at least **two weeks** in advance.

Late assignments due to unexcused absence 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. 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>.

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, www.dso.ufl.edu/drc/

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 Resource Center, First Floor JWRU, 392-1601, www.crc.ufl.edu/*

Course Schedule (subject to modification to accommodate guest speakers)

DATE	Class Topic	Lab	Location	Reading	Due
8/25	Intro/Euthanasia	The Normal Horse	HTU	Syllabus, 470, 425, 775, 780	Intro Survey Syllabus Quiz
9/1	Alternative Therapy	Acupuncture	HTU	Canvas Page	Lab Write-up
9/8	Infectious Disease I	First Aid	HTU	440, 465, 1160	Lab Write-up
9/15	Equine Institute	Southeastern Livestock Pavilion	Ocala	-	Pre-register!!
9/22	Infectious Diseases II	Vaccinations	HTU	445, 605-630, 645-665, 680, 685	Lab Write-up
9/29	Lameness I	Managing hoof problems	HTU	230, 455, 505-555	Lab Write-up
10/6	Lameness II/ Pre-purchase	Evaluating Lameness	HTU	Canvas Page	Lab Write-up
10/13	Behavior	Behavior observations	HTU	425, 1220, Canvas Page	Diseases Wiki Group Project
10/20	MIDTERM EXAM All Material through 10/6	Restraint	HTU	Canvas Page	Lab Write-up
10/27	Internal Parasites I	Dentistry	HTU	240, 405	Lab Write-up
11/3	Internal Parasites II	Parasite Evaluation and Control	155 ANS	430 and Canvas Page	Lab Write-up
11/10	External Parasites	External Parasite Control	Ent&Nem 2217	415 and Canvas Page	Lab Write-up
11/17	Non-infectious Disease	Colic	HTU	435a, 460, 640, 670, 675, 795	Lab Write-up
11/24	HOLIDAY!	-	-	-	-
12/1	Biosecurity	Observation Presentations	155 ANS	475 and Canvas Page	Observation Write-up
12/13	FINAL EXAM Material since 10/13	7:30 a.m. - 9:30 a.m. Exam Group 14A	156 ANS	-	-