

# Cover Sheet: Request 15551

## ANS 3079L – Livestock and meat evaluation

### Info

Process	Course Modify Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Saundra Tenbroeck sht@ufl.edu
Created	12/7/2020 3:13:18 PM
Updated	3/19/2021 10:59:36 AM
Description of request	ANS 3079L is a critical course for our Equine Specialization ANS students as well as Biology specialization ANS students planning to focus on equine practice as a DVM. Two single period lectures and a two period lab would provide a more complete coverage of the material and would better reflect what the course has morphed into. We have departmentally controlled registration for this course and have required completion of ANS 3043 as a prerequisite. It is logical to make this a C designation warranting 3 credit hours and a 4000 level number based on the degree of rigor and the prerequisite. ANS 3043.

### Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Animal Sciences 60090000	Saundra Tenbroeck		1/6/2021
SYLLABUS ANS 4XXXC Relationship of Form to Function.docx					1/6/2021
CALS CC Checklist ANS 3079L.pdf					1/6/2021
College	Approved	CALS - College of Agricultural and Life Sciences	Joel H Brendemuhl	Edits requested by the CALS CC have been addressed.	3/19/2021
Syllabus.doc					1/22/2021
Syllabus ANS 3079L 2010.doc					2/1/2021
Syllabus ANS 4905 Equine Athlete.doc					2/1/2021
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			3/19/2021
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

# Course|Modify for request 15551

## Info

**Request:** ANS 3079L – Livestock and meat evaluation

**Description of request:** ANS 3079L is a critical course for our Equine Specialization ANS students as well as Biology specialization ANS students planning to focus on equine practice as a DVM. Two single period lectures and a two period lab would provide a more complete coverage of the material and would better reflect what the course has morphed into. We have departmentally controlled registration for this course and have required completion of ANS 3043 as a prerequisite. It is logical to make this a C designation warranting 3 credit hours and a 4000 level number based on the degree of rigor and the prerequisite. ANS 3043.

**Submitter:** Joel H Brendemuhl brendj@ufl.edu

**Created:** 3/19/2021 10:56:51 AM

**Form version:** 4

## Responses

### Current Prefix

*Enter the current three letter code (e.g., POS, ATR, ENC).*

Response:

ANS

### Course Level

*Select the current one digit code preceding the course number that indicates the course level at which the course is taught (e.g., 1=freshman, 2=sophomore, etc.).*

Response:

3

### Number

*Enter the current three digit code indicating the specific content of the course based on the SCNS taxonomy and course equivalency profiles.*

Response:

079

### Lab Code

*Enter the current lab code. This code indicates whether the course is lecture only (None), lab only (L), or a combined lecture and lab (C).*

Response:

L

### Course Title

*Enter the current title of the course as it appears in the Academic Catalog. There is a 100 character limit for course titles.&nbsp;*

Response:

Relationship of Form to Function in Horses

**Effective Term**

Select the requested term that the course change(s) will first be implemented. Selecting "Earliest" will allow the change to be effective in the earliest term after SCNS approval. If a specific term and year are selected, this should reflect the department's expectations. Courses cannot be changed retroactively, and therefore the actual effective term cannot be prior to SCNS approval, which must be obtained prior to the first day of classes for the effective term. SCNS approval typically requires at least 6 weeks after approval of the course change at UF.

Response:  
Spring

**Effective Year**

Select the requested year that the course change will first be implemented. See preceding item for further information.

Response:  
2022

**Requested Action**

Indicate whether the change is for termination of the course or any other change. If the latter is selected, all of the following items must be completed for any requested change.

Response:  
Other (selecting this option opens additional form fields below)

**Change Course Prefix?**

Response:  
No

**Change Course Level?**

Note that a change in course level requires submission of a course syllabus.

Response:  
Yes

**Current Level**

Response:  
3

**Proposed Level**

Response:  
4

**Change Course Number?**

Response:  
No

**Change Lab Code?**

*Note that a change in lab code requires submission of a course syllabus.*

Response:  
Yes

**Current Lab Code**

Response:  
L

**Proposed Lab Code**

Response:  
C

**Change Course Title?**

Response:  
No

**Change Transcript Title?**

*If changing the course title a new transcript title is also required.&nbsp;*

Response:  
No

**Change Credit Hours?**

*Note that a change in credit hours requires submission of a course syllabus.*

Response:  
Yes

**Current Credit Hours**

Response:  
2

**Proposed Credit Hours**

Response:  
3

**Change Variable Credit?**

*Note that a change in variable credit status requires submission of a course syllabus.*

Response:  
No

**Change S/U Only?**

Response:  
No

**Change Contact Type?**

Response:  
No

**Change Rotating Topic Designation?**

Response:  
No

**Change Repeatable Credit?**

*Note that a change in repeatable credit status requires submission of a course syllabus.*

Response:  
No

**Change Course Description?**

Note that a change in course description requires submission of a course syllabus.

Response:

No

### Change Prerequisites?

Response:

Yes

### Current Prerequisites

Response:

None

### Proposed Prerequisites

Indicate all requirements that must be satisfied prior to enrollment in the course. Prerequisites will be automatically checked for each student attempting to register for the course. The prerequisite will be published in the Academic Catalog and must be formulated so that it can be enforced in the registration system. Please note that upper division courses (i.e., intermediate or advanced level of instruction) must have proper prerequisites to target the appropriate audience for the course.

Courses level 3000 and above must have a prerequisite.

Please verify that any prerequisite courses listed are active courses.

(There is a limit of 246 characters)

&nbsp;

Response:

ANS 3043 or (APK 2100C & APK 2105C)

Completing Prerequisites on UCC forms:

- Use "&" and "or" to conjoin multiple requirements; do not use commas, semicolons, etc.
- Use parentheses to specify groupings in multiple requirements.
- Specifying a course prerequisite (without specifying a grade) assumes the required passing grade is D-. In order to specify a different grade, include the grade in parentheses immediately after the course number. For example, "MAC 2311(B)" indicates that students are required to obtain a grade of B in Calculus I. MAC2311 by itself would only require a grade of D-.
- Specify all majors or minors included (if all majors in a college are acceptable the college code is sufficient).
- "Permission of department" is always an option so it should not be included in any prerequisite or co-requisite.
- If the course prerequisite should list a specific major and/or minor, please provide the plan code for that major/minor (e.g., undergraduate Chemistry major = CHY\_BS, undergraduate Disabilities in Society minor = DIS\_UMN)

Example: A grade of C in HSC 3502, passing grades in HSC 3057 or HSC 4558, and undergraduate PBH student should be written as follows: HSC 3502(C) & (HSC 3057 or HSC 4558) & UGPBH

### Change Co-requisites?

Response:

No

**Rationale**

*Please explain the rationale for the requested change.*

Response:

The course includes significant Anatomy and Physiology. Growth and Development in Farm Animals, a required course in our major, will provide necessary baseline of information to build upon in Relationship of Form to Function in Horses.

# CALS Curriculum Committee

## Submission Checklist

**NOTE: This checklist must be included with all course and certificate submissions.**

The checklist below is intended to facilitate course and certificate submissions to the University of Florida Academic Approval Tracking System (<https://approval.ufl.edu/>). The checklist consists of the most common items that can cause a submission to require changes or be recycled. Contrary to information provided on the UF approval site, the CALS Curriculum Committee requires a syllabus be submitted with each new course or course modification request. Please note that submitters are encouraged to attend the CALS CC meeting at which their item is being reviewed. This allows the submitter to answer any potential questions that may arise that could cause the item to not be approved. Also, be aware that when completing the UCC form the section Description of Request is asking for a brief statement about what you are doing. This is **not** the place for a course description. A statement such as “Proposal of a new undergraduate course” is all that is needed. Please do not submit documents in pdf format. All documents should be submitted in Word to facilitate editing on our end if necessary.

**CHECKLIST: PLEASE MARK DONE OR N/A FOR EACH STATEMENT TO INDICATE YOUR COMPLIANCE.**

It is required when making a submission that you consult your department’s representative to the CALS CC. A list of current members can be found on the committee site located at: <https://cals.ufl.edu/faculty-staff/committees/>.

Review the CALS Syllabus Policy. This document can be viewed at the committee site (<https://cals.ufl.edu/faculty-staff/committees/>) by clicking on the Curriculum Committee – Information & Documents heading and scrolling down to Forms, Checklists, and Other documents. The other items included here are all very helpful when making a curriculum submission. Some will be mentioned in other checklist items below.

Joint course submissions must include both graduate and undergraduate syllabuses and a separate statement outlining the substantial (more than one) differences in assignments between the two courses. These assignments must account for at least a 15% difference in graded material between the two levels. If this is a new course submission both courses must be submitted for approval simultaneously.

The Course Description is the catalog copy and cannot exceed 50 words. The course description on the UCC form and in the syllabus must match. Any other information you wish to include needs to be under a different heading such as background or additional information.



The course learning objectives must be consistent with Bloom's taxonomy. Please see the following link at the CALS Curriculum site. ([https://cals.ufl.edu/content/PDF/Faculty\\_Staff/cals-course-objectives.pdf](https://cals.ufl.edu/content/PDF/Faculty_Staff/cals-course-objectives.pdf)). Do not use the words demonstrate or understand when listing learning objectives.

The course schedule should be concise and include the appropriate number of weeks in the semester.

All graduate course submissions must include a reading list if a textbook is not required. The reading list should include at least some current readings (within the last 5 years). All readings do not need to be current.

Outside consultations are required if there is a possibility of the proposed course covering material taught in another department or college on campus. There must be a consult form completed by the chair of the department from who you are seeking the consult. Instructors may provide additional consults. The form can be found at: <https://registrar.ufl.edu/pdf/ucccconsult.pdf>.

Prerequisite courses are required for 3000 and 4000 level courses. This line of the approval form cannot be "none" or left blank. Junior or senior standing is an acceptable option. A phrase such as "a course in basic biology" is not acceptable.

Decimal points must be included in the grading scale if grade cut-offs are based on percentages. While this is not a university policy it is a CALS standard practice to avoid any confusion when final grades for the course are determined.

The attendance and make-up policy in a syllabus cannot contradict the university's policy. Do not include any additional wording to this policy. A statement and link regarding this is included in the CALS Syllabus Statements. For the approval process the college suggests a less is more view when it comes to this policy.

The most recent version of the CALS Syllabus Statements boilerplate must be included in all syllabuses. This document is included in the CALS Syllabus Policy and can be copied and pasted to the syllabus. Do not use the boilerplate statements from an old syllabus as they are likely to be out of date.

## **Certificates**

If proposing a new undergraduate or graduate level certificate that includes any courses outside of the submitters department a statement regarding any possible impact on those courses needs to be included. An email from the instructor is acceptable. Also, any courses required for the certificate must have permanent prefixes and course numbers.

**ANS 3079L**  
**Relationship of Form to Function in Horses**  
**Course Syllabus**

Principal Instructor:

Dr. Saundra Ten Broeck 231C Building 459 (352) 392-2789 [sht@ufl.edu](mailto:sht@ufl.edu)

Class Meetings:

Horse Teaching Unit Classroom, Tuesdays and Thursdays 8-9<sup>th</sup> period.

Course Description

ANS 3079L is a two-credit course focused on the principles of conformation and performance evaluation and the relationship of form to function. Consideration of the physiological and environmental factors that influence the development of the equine as an athlete will be explored.

Instructional Objectives

1. Students will gain an appreciation for the unique design of the horse as an athlete.
2. Students will learn to evaluate conformation for correctness and faults that relate to the biomechanics of equine movement.
3. Students will learn basic anatomy and physiology of the equine as a foundation for learning to evaluate and think critically about the horse as an athlete.
4. Students will develop the ability to confidently evaluate several different types, disciplines and events in the horse industry for the purposes of purchasing, marketing, judging, and/or breeding horses.
5. Students will learn to design and evaluate conditioning programs specific to the athletic event for which the horse was selected.

Course Format

This course will consist of lecture, hands-on exercises, handouts, short videos, and practice judging classes. There will be three (3) 100 point exams and a cumulative final exam. Homework assignments will be given throughout the semester and there will be a special problem worth 50 points. Class attendance is highly correlated with course success.

Policy on absences and missed work

Permission for making up missed exams and coursework will be granted only for authorized absences arranged in **ADVANCE** of the absence or in case of emergency.

Grading Breakdown

Three Exams	300 pts
Final Exam	100 pts
Homework	100 pts
Special Problem	50 pts

Grades will be calculated as a percentage of 550 possible points.

There is NO grading curve.

You will have one week after the return of any assignments or exams to resolve any questions. After that, all grades are final.

You should retain all graded items until a final course grade has been assigned.

Extra credit opportunities may become available throughout the semester. Due dates will be strictly adhered to.

Letter grades will be determined by course average as follows:

A = 90.0 – 100%

A- = 87-89%

B+ = 84-86%

B = 80-83%

B- = 77-79%

C+ = 74-76%

C = 70-73%

C- = 67-69%

D+ = 64-66%

D = 60-63%

D- = 57-59

E = <57

### Exams:

Exams will consist of 100 points written. These questions can be multiple choice, short answer, matching, or short essay. *Note: Exams may be given in an alternate classroom during regularly scheduled class meeting times.*

### Final Exam:

The final exam will be comprehensive and consist of 100 points written. The Final exam will be held **Friday April 30th 8:00 A.M.**

### Homework

There will typically be a homework assignment each week that there is not a test. Homework must be submitted in person. If this is not possible then arrangements must be made with the instructor prior to the due date.

### Special Problem

The special problem can consist of attending any one of the following activities:

1. Ocala Breeders Sales February 16, March 16 or April 19, 2010
2. State Fair Judging Contest in Tampa on Feb 6, 2010 or State 4-H Judging Contest in Gainesville April 10, 2010
3. Little Everglades International Combined Driving Event Jan 28-31  
[http://littleevergladesranch.com/Driving\\_Event.html](http://littleevergladesranch.com/Driving_Event.html)
4. Florida Horse Festival and Carriage Festival February 19-21 <http://www.fcmr.org>
5. Live Oak Driving Event March 23-28, 2010 [www.cailiveoak.com](http://www.cailiveoak.com)
6. Other event as approved by instructor.

After attending your selected equestrian activity you must design a conditioning program for a horse in that discipline. A written report about how the evaluation methods we have learned in class might be applied to the event you attended. A written contract must be submitted to the instructor on February 2<sup>nd</sup> stating the event that you will attend. This is a binding contract and will not be negotiated. Proof must be given that you attended the event such as a marked catalog, show bill, or written note from event coordinator. A separate handout will provide detail for the conditioning program.

## Course Outline

January 5	Introduction to Course, What Kind of Animal is the Horse?
January 7	Conformation Evaluation
January 12	Conformation Measurements
January 14	The Hoof
January 19	Faults/Blemishes/Unsoundnesses; Tendons & Ligaments
January 21	Bone – Gross Anatomy
January 26	Joints, examine legs
January 28	Leg Dissection
February 2	Leg Dissection – <b>Contract Due</b>
<b>February 4</b>	<b>Exam 1</b>
February 9	Saddle Fitting
February 11	Form to Function (Defining Type as it relates to Function)
February 16	Defining Gaits/Defects in Gaits – Amira at HTU
February 18	Evaluating Quality of Movement
February 23	Hunter Under Saddle/ Working Hunter/Hunter Hack
February 25	Western Pleasure
March 2	Western Riding/Cutting
March 4	Reining
<b>March 8-12</b>	<b>Spring Break</b>
March 16	Roping/Working Cow Horse/Versatility
March 18	Saddle Type Performance Evaluation
<b>March 23</b>	<b>Exam 2</b>
March 25	Exercise and the Respiratory System
March 30	Exercise and the Cardiovascular System
April 1	Exercise as it Relates to Environmental Factors
April 6	Adaptations to Training
April 8	Conditioning Programs
April 13	Evaluating Fitness lab
April 15	Pedigree Analysis - Sire and Dam Lines
<b>April 20</b>	<b>Exam 3</b>
<b>April 30</b>	<b>Final Exam 8:00 A.M.</b>

# ANS 4XXXC

## Relationship of Form to Function in Horses

### **Meeting Time:**

- Lectures: MW period 5 (11:45am-12:35pm)
- Lab: W periods 8-9 (1:55-3:50pm) or W periods 9-10 (4:05-6:00pm)

### **Credits:** 3

### **Semester Offered:** Spring

### **Prerequisites:**

ANS 3043 Growth and Development of Farm Animals

\*or

APK 2100C Applied Human Anatomy \*and\* APK2105C Applied Human Physiology

### **Instructor:**

Dr. Lori K. Warren

Office: Animal Sciences building, Suite 210, Office 210G

Phone: (352) 392-1957

Email: [LKWarren@ufl.edu](mailto:LKWarren@ufl.edu)

Preferred method of communication: Email or CANVAS messaging

Office Hours: M (10:00-11:30am, 1:00-3:00pm), W (10:00-11:30am), or by appointment

### **Teaching Assistants:**

Lab A (W period 8-9): *[insert TA name], [insert TA email]*

Lab B (W period 9-10): *[insert TA name], [insert TA email]*

**Course Description:** Principles of conformation and performance evaluation of horses. Studies the anatomy, physiology, and dynamics of the horse as it affects athletic potential and performance.

### **Course Objectives:**

1. Differentiate the anatomical and biological features that enable the horse to be an exceptional athlete compared to humans and other species.
2. Appraise the horse's conformation and predict how it will affect the biomechanics of movement and the horse's suitability for different sports.
3. Identify anatomical structures within the organ systems covered and describe the relationship between structure and function.
4. Explain the integration of the equine musculo-skeleton, cardio-respiratory, and thermoregulatory systems during exercise and how these systems adapt to training.
5. Evaluate the horse's physical fitness and design sport-specific conditioning programs to optimize athletic performance.
6. Communicate with peers and horse industry professionals using correct anatomical, physiological, and veterinary medical terminology.

## Course Schedule:

### Lecture and Laboratory Topics:

WEEK	LECTURE Topic(s)	LABORATORY Topic
1	Amazing Athletes (course introduction) Skeletal Anatomy	Horse and Lab Safety
2	Conformation – balance and symmetry	Skeletal Anatomy
3	Conformation – Limb alignment	Conformation - Balance
4	Gaits and Biomechanics	Gaits and Limb Tracking
5	Bone – growth, physiology, adaptation to exercise	Breed conformation standards
6	Tendons and Ligaments	Conformation Review
7	Exam 1 Joints and Osteoarthritis	Limb Dissections (part 1)
8	Hoof Muscle – Anatomy	Limb Dissections (part 2)
9	Energetics of Exercise Muscle – Physiology	Muscle Anatomy
10	Muscle – Training Adaptations and Disorders	Muscle Biology
11	Cardiovascular System	Exercise Testing
12	Exam 2 Respiratory System	Cardio-Respiratory Systems
13	Thermoregulation	Thermoregulation
14	Evaluating Fitness Principles of Conditioning	Fitness Evaluation
15	Conditioning Programs	eXtreme Obstacle Course Challenge
Finals week	Exam 3	

### Important Dates:

- Exam dates: Feb XX, Mar XX, April XX
- Project due dates: Feb XX, Apr XX
- 25-Furlong Derby: Apr XX

### Course Textbooks and Reading List:

1. \*Recommended\* The Horse Conformation Handbook. H. Smith-Thomas. Storey Publishing, LLC (2005) ISBN-13: 978-1580175586
2. \*Recommended\* The Athletic Horse: Principles and Practice of Equine Sports Medicine, 2nd Edition. D.R. Hodgson, C.M. McGowan, and K.H. McKeever (editors). Saunders (2013) ISBN-13: 978-0721600758
3. \*Recommended\* Horse Gaits, Balance and Movement. S.E. Harris. John Wiley & Sons Ltd (2005) ISBN-13 : 978-0764587887
4. A variety of scientific and popular press articles will also be available on CANVAS. A partial listing of these articles is below:
  - Bryant, J.O. Heart of the matter: A look at the remarkable equine heart and what can go wrong. The Horse, July 2014.

- Cherdchutham, W., et al. Effects of exercise on biomechanical properties of the superficial digital flexor tendon in foals. *Am. J. Vet. Res.* 2001; 62:1859-1864.
- Contino, E.K. Management and rehabilitation of joint disease in sport horses. *Vet. Clin. Equine* 2018; 34:345-358.
- Firth, E.C. The Response of bone, articular cartilage and tendon to exercise in the horse. *J. Anat.* 2006; 208:513-526.
- Hoyt, D.F., C.R. Taylor. Gait and the energetics of locomotion in horses. *Nature* 1981; 292:239-240.
- Leste-Lasserre, C. Developmental Orthopedic Disease in Young Horses. *The Horse*, January 2018.
- Navarra, K., M. Anderson. Podotrochlosis: Navicular is no longer the end of the road for horses. *The Horse*, February 2019.
- Ortved, K.F. Regenerative medicine and rehabilitation for tendinous and ligamentous injuries in sport horses. *Vet. Clin. Equine* 2018; 34:359-373.
- Rivero, J.L., E.W. Hill. Skeletal muscle adaptations and muscle genomics of performance horses. *Vet. J.* 2016; 209:5-13.
- Valberg, S.J. Muscle conditions affecting sport horses. *Vet. Clin. Equine* 2018; 34:253-276.

**Course Fee:** \$150.00 (covers lab supplies and materials and horse per diem)

**Course Website:**

All course materials and communications will be hosted on CANVAS. You can access CANVAS at <https://elearning.ufl.edu>. CANVAS will contain announcements, course notes, supplementary materials (e.g., articles, videos, web links), assignments, and a running tally of your grade.

**Course Activities and Assessments:**

This course will involve reading, writing, group work, and outside effort. The study of anatomy requires memorization; you will need to study lecture and supplemental materials outside of class and put in consistent effort throughout the semester. To get the most out of this course, take advantage of the opportunities offered, get dirty, and ask questions! Learning is not a spectator sport.

**EXAMS:** there will be 3 exams, each covering approximately one-third of the course material. Format will consist of multiple choice, true/false, matching, short answer, & essay questions. Total points = 300 (100 pts each × 3 exams).

**QUIZZES:** short quizzes will be administered each week on Wednesdays at the beginning of your lab period. Format will be multiple choice or matching. Total points = 50 (5 pts each × 10 quizzes).

**LAB ACTIVITIES:** a 2-hour weekly lab will be held each Wednesday. Plan for most labs to last the entire time. The location of labs will vary (e.g., Horse Teaching Unit, Animal Sciences, Large Animal Clinical Sciences) and will be announced at the beginning of each week. Labs will consist of live animal evaluation, dissection and study of harvested tissues, video discussions, and other activities. Each lab is designed to supplement and enhance your understanding of lecture material. All labs will have graded worksheets. Appropriate dress is required. Unsafe footwear (open-toed shoes) will NOT be allowed. Boots are preferred, but athletic shoes can suffice. Labs may be messy (eg, tissue

fluids, blood, paint, horse slobber); avoid wearing clothes that you don't want damaged. Horses can exhibit unpredictable behavior that can cause serious bodily harm – pay attention and seek guidance if you are uncomfortable working with them. Total points = 140 (10 pts each × 14 lab worksheets).

PROJECTS: there will be two course projects in this course. A summary of each is provided below; see CANVAS for more details. Total points = 100 (50 pts each × 2 projects).

1. *Relating Form to Function* – Due February XX.

In this project, you will explore the concept that “form follows function” by choosing your favorite equine athlete and researching what made this horse excel at their sport (e.g., breed, conformation, attitude, and athleticism). You will prepare and submit a 10-minute video on your equine athlete.

2. *Training the Equine Athlete* – Due April XX.

In this project, you will attend two different equine competitive events of your own choosing during the semester. For each event, you will need to evaluate the athletic demands of each activity and investigate how the horse should be prepared for each type of competition. You will submit a written report (2500 words) on your findings. A calendar of local equine sporting events and exhibitions will be listed under this project on CANVAS.

EXTRA CREDIT – 25-Furlong Derby: What does the horse go through training for competition? Experience it yourself! Train to run 25 furlongs (5 kilometers or 3.1 miles) this semester and earn 20 points extra credit! To earn the extra credit, you must: [1] keep a training journal documenting your training routine; [2] perform at least two fitness assessments during your training program; and [3] complete the 25-furlong Derby on April XX in 34 minutes or less (or an alternative race/sport approved by Dr. Warren). For more information, go to CANVAS > Assignments.

### **Grading Policy:**

#### Grade Distribution:

40% = Lab Activities, Quizzes and Course Projects

60% = 3 Exams

#### Grading Scale:

A = 90 – 100 %

B = 80 – 89.9 %

C = 70 – 79.9 %

D = 60 – 69.9 %

E = less than 60 %

#### Additional Grading Information:

- Scores on individual assignments and exams, as well as a running tally of your cumulative course grade will be available at CANVAS > Grades.
- You have one week after the return of graded items to resolve any questions or disputes you have about the grading. After that, the grade will be final.
- Note there will be no +/- letter grades in this course.

#### 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/>.



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

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/>.

### **COVID Response:**

The laboratory sessions in this course will involve face-to-face instruction to accomplish the student learning objectives. In response to COVID-19, the following policies and requirements are in place to maintain your learning environment and to enhance the safety of our in-classroom interactions.

- You are required to wear approved face coverings at all times during class and within buildings. Following and enforcing these policies and requirements are all of our responsibility. Failure to do so will lead to a report to the Office of Student Conduct and Conflict Resolution.
- This course has been assigned a physical classroom with enough capacity to maintain physical distancing (6 feet between individuals) requirements. Please utilize designated seats and maintain appropriate spacing between students. Please do not move desks or stations.
- 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.
- Follow your instructor's guidance on how to enter and exit the classroom. Practice physical distancing to the extent possible when entering and exiting the classroom.
- If you are experiencing COVID-19 symptoms ([Click here for guidance from the CDC on symptoms of coronavirus](#)), please use the UF Health screening system and follow the instructions on whether you are able to attend class. [Click here for UF Health guidance on what to do if you have been exposed to or are experiencing Covid-19 symptoms](#).
- 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. Find more information in the university attendance policies, go to: <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>.

Lectures will be delivered online using the Zoom platform. To avoid privacy issues with students enrolled in the course, these online sessions will NOT be recorded. Instead, separate lecture videos will be recorded by the instructor and made available to students who are unable to attend live lectures due to COVID-19 absences. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

### **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.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 Honesty:**

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>.

### **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](http://www.counseling.ufl.edu)  
Counseling Services  
Groups and Workshops  
Outreach and Consultation  
Self-Help Library  
Wellness Coaching

- U Matter We Care, [www.umatter.ufl.edu/](http://www.umatter.ufl.edu/)
- *Career Connections Center*, First Floor JWRU, 392-1601, <https://career.ufl.edu/>.
- Student Success Initiative, <http://studentsuccess.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>

**ANS 3079L**  
**Relationship of Form to Function in Horses**  
**Course Syllabus**

Principal Instructor:

Dr. Saundra Ten Broeck 231C Building 459 (352) 392-2789 [sht@ufl.edu](mailto:sht@ufl.edu)

Class Meetings:

Horse Teaching Unit Classroom, Tuesdays and Thursdays 8-9<sup>th</sup> period.

Course Description

ANS 3079L is a two-credit course focused on the principles of conformation and performance evaluation and the relationship of form to function. Consideration of the physiological and environmental factors that influence the development of the equine as an athlete will be explored.

Instructional Objectives

1. Students will gain an appreciation for the unique design of the horse as an athlete.
2. Students will learn to evaluate conformation for correctness and faults that relate to the biomechanics of equine movement.
3. Students will learn basic anatomy and physiology of the equine as a foundation for learning to evaluate and think critically about the horse as an athlete.
4. Students will develop the ability to confidently evaluate several different types, disciplines and events in the horse industry for the purposes of purchasing, marketing, judging, and/or breeding horses.
5. Students will learn to design and evaluate conditioning programs specific to the athletic event for which the horse was selected.

Course Format

This course will consist of lecture, hands-on exercises, handouts, short videos, and practice judging classes. There will be three (3) 100 point exams and a cumulative final exam. Homework assignments will be given throughout the semester and there will be a special problem worth 50 points. Class attendance is highly correlated with course success.

Policy on absences and missed work

Permission for making up missed exams and coursework will be granted only for authorized absences arranged in **ADVANCE** of the absence or in case of emergency.

Grading Breakdown

Three Exams	300 pts
Final Exam	100 pts
Homework	100 pts
Special Problem	50 pts

Grades will be calculated as a percentage of 550 possible points.

There is NO grading curve.

You will have one week after the return of any assignments or exams to resolve any questions. After that, all grades are final.

You should retain all graded items until a final course grade has been assigned.

Extra credit opportunities may become available throughout the semester. Due dates will be strictly adhered to.

Letter grades will be determined by course average as follows:

A = 90.0 – 100%

A- = 87-89%

B+ = 84-86%

B = 80-83%

B- = 77-79%

C+ = 74-76%

C = 70-73%

C- = 67-69%

D+ = 64-66%

D = 60-63%

D- = 57-59

E = <57

### Exams:

Exams will consist of 100 points written. These questions can be multiple choice, short answer, matching, or short essay. *Note: Exams may be given in an alternate classroom during regularly scheduled class meeting times.*

### Final Exam:

The final exam will be comprehensive and consist of 100 points written. The Final exam will be held **Friday April 30th 8:00 A.M.**

### Homework

There will typically be a homework assignment each week that there is not a test. Homework must be submitted in person. If this is not possible then arrangements must be made with the instructor prior to the due date.

### Special Problem

The special problem can consist of attending any one of the following activities:

1. Ocala Breeders Sales February 16, March 16 or April 19, 2010
2. State Fair Judging Contest in Tampa on Feb 6, 2010 or State 4-H Judging Contest in Gainesville April 10, 2010
3. Little Everglades International Combined Driving Event Jan 28-31  
[http://littleevergladesranch.com/Driving\\_Event.html](http://littleevergladesranch.com/Driving_Event.html)
4. Florida Horse Festival and Carriage Festival February 19-21 <http://www.fcmr.org>
5. Live Oak Driving Event March 23-28, 2010 [www.cailiveoak.com](http://www.cailiveoak.com)
6. Other event as approved by instructor.

After attending your selected equestrian activity you must design a conditioning program for a horse in that discipline. A written report about how the evaluation methods we have learned in class might be applied to the event you attended. A written contract must be submitted to the instructor on February 2<sup>nd</sup> stating the event that you will attend. This is a binding contract and will not be negotiated. Proof must be given that you attended the event such as a marked catalog, show bill, or written note from event coordinator. A separate handout will provide detail for the conditioning program.

## Course Outline

January 5	Introduction to Course, What Kind of Animal is the Horse?
January 7	Conformation Evaluation
January 12	Conformation Measurements
January 14	The Hoof
January 19	Faults/Blemishes/Unsoundnesses; Tendons & Ligaments
January 21	Bone – Gross Anatomy
January 26	Joints, examine legs
January 28	Leg Dissection
February 2	Leg Dissection – <b>Contract Due</b>
<b>February 4</b>	<b>Exam 1</b>
February 9	Saddle Fitting
February 11	Form to Function (Defining Type as it relates to Function)
February 16	Defining Gaits/Defects in Gaits – Amira at HTU
February 18	Evaluating Quality of Movement
February 23	Hunter Under Saddle/ Working Hunter/Hunter Hack
February 25	Western Pleasure
March 2	Western Riding/Cutting
March 4	Reining
<b>March 8-12</b>	<b>Spring Break</b>
March 16	Roping/Working Cow Horse/Versatility
March 18	Saddle Type Performance Evaluation
<b>March 23</b>	<b>Exam 2</b>
March 25	Exercise and the Respiratory System
March 30	Exercise and the Cardiovascular System
April 1	Exercise as it Relates to Environmental Factors
April 6	Adaptations to Training
April 8	Conditioning Programs
April 13	Evaluating Fitness lab
April 15	Pedigree Analysis - Sire and Dam Lines
<b>April 20</b>	<b>Exam 3</b>
<b>April 30</b>	<b>Final Exam 8:00 A.M.</b>

# The Equine Athlete

## ANS 4905

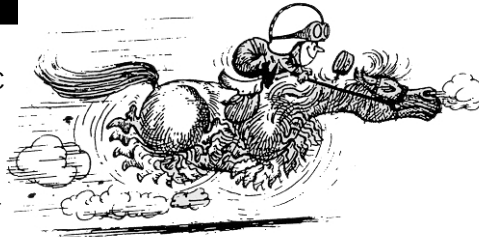
### Course Syllabus

#### Instructors

**Dr. Saundra TenBroeck**  
Anim Sci Bldg, Office 231C  
392-2789  
tenbroeck@ufl.edu

**Dr. Lori Warren**  
Anim Sci Bldg, Office 210F  
392-1957  
LKWarren@ufl.edu

**Sarah Reed, M.S.**  
Anim Sci Bldg, Office XXX  
392-XXXX  
XXX@ufl.edu



#### Office Hours

By appointment only.  
See us after class or email to  
make an appointment.

#### Course Description

"The Equine Athlete" is an overview of equine anatomy and physiology as they relate to the horse's athletic potential and performance. Consideration of the physiological and environmental factors that influence the development of the equine as an athlete will be explored.

#### Time & Location

Tues	Wed	Thurs
Per 6	Per 6/7	Per 6/7
12:50 – 1:40 PM	12:50 – 2:45 PM	12:50 – 2:45 PM
Rm 102	Rm 155 or HTU	Rm 155

#### Course Format

Tuesdays will be lectures.  
Wednesdays and Thursdays  
will be a mixture of lectures  
and labs using live horses,  
harvested tissues, and other  
activities to enhance learning.

#### Course Objectives

- ✓ To gain an appreciation for the unique design of the horse as an athlete.
- ✓ To evaluate conformation for correctness and faults and relate it to the biomechanics of equine movement.
- ✓ To develop a detailed understanding of equine anatomy at the cellular, tissue and systems level.
- ✓ To learn the mechanisms involved in the development and function of muscular, skeletal, cardiovascular, respiratory, nervous, endocrine, renal and support systems in the horse and the response of these systems to training.
- ✓ To develop the ability to design and evaluate conditioning programs specific to the athletic event for which the horse was selected.

#### Required Textbook

**Equine Science, 2<sup>nd</sup> Ed.**  
Authors: Pilliner and Davies  
Copyright 2004  
Blackwell Publishing  
ISBN 1-4051-1944-6  
Approx. \$50.00

#### Grading Policy

##### Grade distribution:

Exam 1 .....	100 pts
Exam 2 .....	100 pts
Exam 3 .....	100 pts
Exam 4 .....	100 pts
Assignments .....	150 pts

Extra credit opportunities may become available throughout the semester.

##### Grading Scale:

<b>A</b>	= 90 – 100 %
<b>B+</b>	= 85 – 89.9 %
<b>B</b>	= 80 – 84.9 %
<b>C+</b>	= 75 – 79.9 %
<b>C</b>	= 70 – 74.9 %
<b>D+</b>	= 65 – 69.9 %
<b>D</b>	= 60 – 64.9 %
<b>E</b>	= 59 % or less

- There is NO grading curve.
- You will have one week after the return of any assignments or exams to resolve any questions. After that, all grades are final.
- You should retain all graded items until a final course grade has been assigned.

##### ACADEMIC HONESTY:

*As a result of completing the registration form at the University of Florida, every student has signed the following statement: "I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University."*

## Course Policies and Activities

### WebCT

The course website is located on WebCT Vista:

- <http://lss.at.ufl.edu/>
- Login with your Gatorlink ID and password.
- If you have never used WebCT, you need to check your web browser configuration. Information on how to do this is provided on the WebCT login page.

WebCT will contain:

- ✓ Lecture notes (*NOTE: NOT all lectures will have notes available on WebCT*)
- ✓ Assignment descriptions
- ✓ Resource links & articles
- ✓ Announcements
- ✓ Your grades

### Attendance Policy

Regular attendance and active participation will be necessary for successful completion of this course.

Valid absences include:

- 1) Medical emergency  
(*a written & signed note from a medical doctor is required*)
- 2) Participation in a UF-sanctioned activity  
(*a letter from the supporting faculty is required PRIOR to the absence*)
- 3) Other emergencies or conflicts must be cleared through the instructors.

★ **If you miss a class, it is YOUR responsibility to obtain any information announced in class** ★

### NO cell phones!

Cell phones must be turned completely off during class period.  
NO ringing!  
NO vibrating!



### Appropriate Dress is REQUIRED

You are expected to come to class dressed in a professional manner. Unsafe footwear (flip flops, open-toed shoes) will NOT be allowed. You are also encouraged not to wear anything that exposes lots of "skin." Not only may it be distracting to some, it may be unsafe during lab activities.

### Lab Activities

You will be participating in a lab activity approximately once per week. Each activity is designed to supplement and enhance your understanding of lecture material. Labs will consist of live animal evaluations, dissection and study of harvested tissues, DVD/video discussions, guest speakers and other activities. Some labs may have assignments associated with them.

### Exams

There will be 4 exams in this course. Exams 1, 2 & 3 will be held during regular class time. Exam 4 will be given during finals week. Each exam will cover lecture and lab material presented since the previous exam.

#### EXAM DATES:

1. **Thurs, Jan 25**
2. **Tues, Feb 20**
3. **Tues, Mar 27**
4. **Mon, Apr 30**

General Exam Format:

- ✓ Multiple choice
- ✓ Matching
- ✓ True/False
- ✓ Short answer
- ✓ Essay

### Assignments

There are three primary assignments in this course:

#### 1. Your Favorite Athlete

Write a 1 to 2 page (typed) paper about your favorite equine athlete. Give some history, accomplishments, & records and explain what made this horse so athletic.

**DUE: Tues, Feb 13**

#### 2. Muscle Biomechanics

Write a report explaining the muscle biomechanics of a specific athletic maneuver (eg, jumping, sliding stop, spin, piaffe, crow hop, etc.) Specific requirements will be provided at a later date.

**DUE: Tues, March 20**

#### 3. Conditioning program

Design a training program appropriate for an equine event of your choosing. Specific requirements will be provided at a later date.

**DUE: Tues, April 24**

★ **NO LATE ASSIGNMENTS will be accepted** ★

### Extra Credit

#### Attend 3 Equine Events

Attend three different equine athletic events (eg, roping, HITS, combined driving, polo, steeple chase, 3-day event...) and write a 2 to 4 page report (typed) which includes a discussion of the event & the performance objectives (ie, what athleticism is required of the horse?) Various events will be announced weekly in class.

*Additional extra credit opportunities may be come available during the semester.*



## Tentative Schedule\*

Week of:	Tuesday	Wednesday	Thursday
Jan 9 – 11	Introduction Defining the Horse	Conformation ★Lab at HTU★ READING: Ch 14	Conformation faults blemish,unsoundness
Jan 16 – 18	Gaits, biomechanics	Gaits, biomechanics ★Lab at HTU★	Gaits, biomechanics Overview of the Cell READING: Ch 1
Jan 23 – 25	Tissue Types	Bone READING: Ch 3	<b>EXAM 1</b>
Jan 30 – Feb 1	Bone	Bone	Bone
Feb 6 – 8	Joints READING: pp 30-34	Hoof READING: pp 61-73	Tendons & Ligaments READING: pp 55-61
Feb 13 – 15	Energy Metabolism READING: pp 84-90 <b>DUE: Favorite Athlete</b>	Leg Dissections ★Lab Room 155★	Leg Dissections ★Lab Room 155★
Feb 20 – 22	<b>EXAM 2</b>	Energy Metabolism	Muscle READING: Ch 3
Feb 27 – Mar 1	Muscle	Muscle ★Lab at HTU★	Muscle ★Lab Room 155★
Mar 6 – 8	Muscle Biomechanics	Respiratory System READING: pp 74-84, 90-97	Respiratory System ★Lab at Vet School★
Mar 13 – 15	- - - SPRING BREAK - - - SPRING BREAK - - - SPRING BREAK - - -		
Mar 20 – 22	Neuroendocrine System READING: Ch 7 <b>DUE: Muscle Biomech</b>	Neuroendocrine System	Cardiovascular System READING: Ch 6
Mar 27 – 29	<b>EXAM 3</b>	Cardiovascular System ★Lab at HTU★	Cardiovascular System Kidney/Urinary System READING: Ch 10
Apr 3 – 5	Kidney/Urinary System	Environmental Adapt. READING: Ch 9 ★Lab at HTU★	Environmental Adapt.
Apr 10 – 12	Training Adaptations READING: pp 297-298	Exercise Testing ★Lab at HTU★	Exercise Testing ★Lab at Vet School★
Apr 17 – 19	Conditioning Programs READING: pp 294-300	Conditioning Programs ★Guest speakers★	Growth
Apr 24 & 25	Pedigree Analysis <b>DUE: Condition Prog.</b>	Growth Lab ★Lab at HTU★	
April 30	<b>EXAM 4</b> – Monday, April 30 @ 7:30 – 9:30 AM		

\*Topics and assignment due dates are subject to change—you will receive at least 1 week notice.

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## Additional Information

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### ANS Department Chair

**Dr. Geoffry Dahl**

Animal Sciences, Bldg 499 Rm 100

Phone: 392-1911

### Disability Accommodation

"The Dean of Students Office provides individual assistance to students with documented disabilities based upon the need and impact of the specific disability. There is no requirement for a student to self-identify his/her disability. However, students requesting classroom accommodations must register with the Dean of Students Office in 202 Peabody Hall, 392-1261 (Voice) 392-3008 (TDD)."

### 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.

### UF Counseling Services

Resources are available on-campus for students having personal problems or lacking clear career and academic goals which interfere with their academic performance. These resources include:

1. **University Counseling Center**  
301 Peabody Hall, 392-1575  
personal and career counseling
2. **Student Mental Health**  
Student Health Care Center, 392-1171  
personal counseling
3. **Center for Sexual Assault/Abuse Recovery and Education**  
Student Health Care Center, 392-1161  
sexual assault counseling
4. **Career Resource Center**  
Reitz Union, 392-1601  
career development assistance and counseling
5. **Campus Alcohol and Drug Resource Center**  
202 Peabody Hall, 392-1261  
drug and alcohol counseling
6. **Office of International Studies and Programs**  
123 Tigert Hall, 392-1345  
assistance provided for international students