

Course Syllabus
ANEQ 105 – Introduction to Large Animal Anatomy
Department of Animal Sciences
Colorado State University
Fall 2017

Instructor and Course Assistants

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Course Identification

Course Name:	Introduction to Large Animal Anatomy
Course Number:	ANEQ 105
Course Location:	Animal Sciences 242
Class Times:	Lab 01: Monday, 9:00-10:50am Lab 02: Monday, 1:00-2:50pm Lab 03: Monday, 3:00-4:50pm Lab 04: Wednesday, 1:00-2:50pm Lab 05: Wednesday, 3:00-4:50pm

Class Materials: **Required** Textbook: *Domestic Animal Anatomy* by T.A. Brooks and B.L. Davis. (2nd Edition).

- **Do not purchase used textbooks – an access code, which is needed to access important course materials is only available with new textbooks.**

Course Description/Overview

This course utilizes animal models and preserved animal specimens to familiarize students with the anatomy and anatomical terminology as related to domestic animals.

Course Learning Objectives and Assessment

Broadly, the objective of this course is to develop a fundamental understanding of domestic animal anatomy. This understanding is essential to the foundation of knowledge and skills that will be built upon in future courses, study programs, and careers.

Specifically, the objectives of the course are:

- Demonstrate an understanding and application of anatomical terminology in relation to animals
- Classify, identify, and discuss practical importance of bones
- To identify articulations or joints by their common and scientific names
- To develop an understanding for origin, insertion and action of muscles
- To identify muscles and their applicability to animal sciences

- Identification and understanding of gastrointestinal organs and their function in monogastric and ruminant physiology
- Identifying structures within and understanding functions of the circulatory system
- Identifying structures within and understanding functions of the renal system
- Identification and understanding of the structures related to the male and female reproductive systems.
- To identify and learn the function of structures related to the central and peripheral nervous system
- To identify and learn the function of structures related to the ear and eye

These objectives will be assessed through:

1. Pre-laboratory quizzes to be completed online prior to 8am each Monday. Pre-laboratory quizzes can be accessed using the instructions and access code within your laboratory manual.
 - a. A Syllabus quiz **must be completed by 5pm (MST) on Sunday, August 27th**
2. In-class quizzes will be administered weekly. Quizzes will contain material from the previous week's laboratory.
 - a. The quiz format may vary, but can include: written questions, cadaver/specimen identification, laboratory model identification, etc.
3. Two laboratory exams—a midterm and final—will be administered. Please take note of the scheduled exam dates so that you are not absent.

Course Resources

Course Website(s):

- Canvas <info.canvas.colostate.edu>
 - Students may log-in to the Canvas site using their eid.
 - Course grades and pertinent course information/announcements will be available.
- Great River Technologies <<http://www.grtep.com>>
 - Students may access the website using the instructions and access code located on the front inside cover of the laboratory textbook. **Please remember your username and password.**
 - Pre-laboratory quizzes and practice/study materials will be available on this website.
 - Should problems with the website arise during the semester, please contact your instructor AND notify the Great River Technologies web support staff using the homepage link.

Out of Class Learning Opportunities

- Repeated and frequent exposure to the course materials and animal specimens is **extremely helpful** in retaining material and performing well on quizzes/exams.
- Opportunities for out-of-class access to the laboratory and review sessions will be discussed during the semester.
- If requested, the instructor(s) may be available to assist with out of class instruction.

Grading Policy

Your final course grade will be determined using a standard grading scale. In the event that the professor determines it is necessary, the grading scale may be lowered for the entire class. However, the grading scale will not be raised under any circumstances. There are no preconceived quotas for the distribution of letter grades in this course.

Final Grading Scale:

A	90-100%
B	80-89.5%
C	70-79.5%
D	60-69.5%
F	< 60%

Final Grade Calculation:

Weekly Lab Quizzes	30%
Pre-Laboratory Quizzes	10%
Midterm Exam	30%
<u>Final Exam</u>	<u>30%</u>
Total	100%

Weekly laboratory quizzes will count for 30% of your course grade. Quizzes will be administered at the beginning of the laboratory, unless you are instructed otherwise. A midterm and final exam will each account for 30% of your course grade—***the final exam is not comprehensive and will cover only material presented after the midterm.***

*Potential grading errors to exams, quizzes, or other graded materials should be **immediately** brought to the attention of the instructor.*

Course Attendance Policies

Course attendance is mandatory. Attendance is viewed as an individual's responsibility and reflection of maturity. Attendance will be monitored in various ways. Attending only a portion of lab will be considered an absence (i.e. if you take the quiz and then leave, you will be considered absent). Absences will be excused if the:

1. Absence is because of a university-approved field trip or activity (provide letter),
2. Absence is the result of a death or serious injury in the immediate family (provide obituary or documentation),
3. Absence due to documented personal illness (provide signed note, receipt, etc.),
4. Absence is to observe a religious holiday, or
5. Absence is the result of extenuating circumstance not covered above, but discussed with the professor.

Unexcused absences will result in a score of "0" for a missed quiz or exam. **There are no makeup quizzes.** If you are absent due to an excused absence, the missed quiz will be dropped from your gradebook. If you know of an absence (excused or unexcused) prior to your scheduled lab, let an instructor or TA know immediately. All efforts should be made to attend another lab section, if possible.

You will be responsible for all material covered in this course. If you miss a class for any reason (excused or not), it is your responsibility to acquire and learn the material covered. **Regardless of the reason for the absence, students will be expected to take a quiz over the missed material the following week.**

Important Course Dates

- Friday, August 25th: Restricted Drop Deadline
- Sunday, August 27th: Mandatory syllabus quiz due by 5pm (MST)
- Monday, October 16th: Course withdrawal period ends and Repeat/Delete Deadline
- Friday, December 8th: Last Day of Classes & Last day to Process a University withdrawal

Laboratory Safety Policies

Any student violating safety requirements will be either prevented from entering or asked to leave the laboratory. If you are asked to leave or prevented from entering the laboratory, you are responsible for the material discussed in your absence.

- Students must not wear shorts, short skirts or open-toed shoes while in the laboratory. **Long pants and closed toe shoes are required.**
- Eye protection will be provided for students upon request.
- Eating, drinking, and tobacco products are **not** allowed in the laboratory.
- Hands should be washed with soap and warm water before and after laboratory and as needed when hands or any body part is contaminated.
- Latex gloves will be provided. If you are allergic to latex, please inform the instructors so accommodations can be made.

Student Laboratory Responsibilities

- Students must properly store their laboratory specimen and clean their instruments and lab space after each class. *You are responsible for the care of your specimen all semester, so maintain it properly to avoid desiccation and bacterial contamination.*
- Students **must** clean their instruments and lab space after each class.
- Students must adopt a professional attitude and behavior while in class and laboratory.

Collaboration/Plagiarism Rules

Examinations and laboratory exercises are individual activities. Although exercises are often based on group activities, the exercises must be individually completed. Any student caught collaborating on exercises or exams will receive a grade of "0". Collaboration is defined as providing or taking assistance from another student or source (smartphone, internet, notes, textbook, etc.). Students caught presenting information as their own, which originated elsewhere (i.e. plagiarism), without citation will be given a grade of "0". Finally, those caught violating the collaboration/plagiarism rules on two or more occasions will receive an "F" in the course, regardless of their calculated grade.

University Policies

ADA Statement

Any student who may require special arrangements in order to meet course requirements should contact the instructor as soon as possible to make any necessary accommodations. Students should present appropriate verification from Resources for Disabled Students Office during the instructor's office hours or by appointment with the instructor. Please note instructors are not allowed to provide classroom accommodations to a student until appropriate verification from Resources for Disabled Students has been provided.

Scholastic Dishonesty

It is the aim of the faculty of Colorado State University to foster a spirit of complete honesty and high standards of integrity. The attempt of students to present as their own any work not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offenders liable to serious consequences.

Scholastic dishonesty includes but is not limited to, cheating, plagiarism, collusion, falsifying academic records, misinterpreting facts, and any act designed to give unfair academic advantage to the student or the attempt to commit such an act. Further information can be found in the Academic Integrity Policy of the Colorado State University General Catalog and the Student Conduct Code.

Absence for Observance of a Religious Holiday

A student who intends to observe a religious holy day should make that intention known to the instructor prior to the absence. A student who is absent from classes for the observance of a religious holiday shall be allowed to take an examination or complete an assignment scheduled for the day within a reasonable time after the absence. A student may not be penalized for the absence but the instructor may respond appropriately if the student fails to complete the assignment satisfactorily.

Course Schedule*

Date	Topic	In-Lab Quiz Yes/No
August 21 st /23 rd	Introduction & Terminology	No
August 28 th /30 th	Skeletal System (Overview & Identification)	Yes
September 4 th /6 th	<i>No Classes- Labor Day Holiday</i>	No
September 11 th /13 th	Skeletal System (Joints, Teeth, Hoof)	Yes
September 18 th /20 th	Muscle System (overview & dissection prep)	Yes
September 25 th /27 th	Muscle System	Yes
October 2 nd /4 th	Muscle System	Yes
October 9 th /11 th	Midterm Exam Review	
October 16th/18th	Midterm Exam	
October 23 rd /25 th	Gastrointestinal System	No
October 30 th /Nov. 1 st	Cardiovascular & Respiratory Systems	Yes
November 6 th /8 th	Renal & Reproductive Systems	Yes
November 13 th /15 th	Neurological Systems	Yes
November 20 th /22 nd	No Classes-University Holiday	Yes
November 27 th /29 th	Review Period	No
December 4th/6th	Final Exam	

* *The course schedule is subject to change. Changes will be announced in class and via Canvas announcement and/or email.*

Pre-Lab Quiz Schedule*

Quiz	Chapter	Open Date	Close Date
Syllabus	NA	August 21 st	August 27 th
Bones/Joints	2	August 24 th	August 28 th
Hoof/Teeth	2	September 7 th	September 11 th
Muscles I	3	September 14 th	September 18 th
Muscles II	3	September 21 st	September 25 th
Gastrointestinal	4	October 19 th	October 23 rd
Cardiovascular/Respiratory	5/6	October 26 th	October 30 th
Renal/Reproductive	7/8	November 2 nd	November 6 th
Nervous System/Special Senses	9/10	November 9 th	November 13 th

* Pre-lab Quizzes will **open at 5pm** on Thursdays and **close at 8am** on the following Monday.

* *The pre-lab quiz schedule is subject to change. Changes will be announced in class and via Canvas and/or email.*