



VETT 306 Veterinary Anatomy and Physiology 1 – Lab

COURSE SYLLABUS: Fall 2026

Face-to-face
Tuesday 2-3:50 PM

INSTRUCTOR INFORMATION

Instructor: **Hannah Buchanan, DVM**
Office Hours: **Thursdays 2-3 pm, virtual or by appointment**
University Email Address: **Hannah.Buchanan@tamuc.edu**
Preferred Form of Communication: **email**
Communication Response Time: **24-48 hours**

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) – RECOMMENDED

- **Laboratory Manual for Clinical Anatomy and Physiology for Veterinary Technicians**
- **By: Thomas Colville; Joanna Bassert**
- **4th ed.**
- **ISBN: 978-0-323-79342-1**

Software Required: Any Internet vehicle including Google Chrome, Firefox, etc that follows that below supported browsers. Also, lecture materials, supplemental worksheets, videos, and slides will be available on D2L which will need to be opened using Adobe PDF, Microsoft Word, and Microsoft Power Point.

Optional Texts and/or Materials: There will be links to images, videos, and other supplemental materials.

The syllabus/schedule are subject to change.

Course Description

This is the first of a two-course sequence examining the structure and function of comparative vertebrate animal body systems important in health and disease. Terminology and nomenclature of the veterinary field will be emphasized. A systems approach to prepare students to locate and recognize clinically significant anatomical features. In conjunction with classroom instruction, the anatomy and physiology lab component for this course requires students to apply knowledge from the classroom to hands-on and critical-thinking application exercises. Students will get to dissect cadavers and will identify anatomy as well as describe the physiological function and importance.

Corequisites: VETT 305 Veterinary A&P I Lecture

Student Learning Outcomes

1. The student will have an understanding of normal physiology and how deviations from normal are the basis for animal disease.
2. The student will apply gross and microscopic anatomy clinically for all body systems.
3. Students will understand the differences in anatomy and physiology between the most common types of domestic and exotic animals.
4. The student will use anatomical and directional terminology to identify and/or describe the location, region, and sectional plane of structures or lesions on an animal body.
5. Identify and describe the anatomy of the major body systems for cats, dogs, ruminants, horses, birds, and reptiles using prepared slides, skeletons, models, and dissections.
6. Contrast the structure and function of major body systems (e.g., circulatory, respiratory, and reproductive) among companion animals and selected livestock species.
7. The student will use their knowledge of applied anatomy and pathophysiology to deliver service in an ethical, compassionate manner to improve patient care.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

Examples include: Using the learning management system, using Microsoft Word and PowerPoint, using presentation and graphics programs, etc

Instructional Methods

This course will use the D2L learning platform. D2L is how lecture content, assignments, discussions, quizzes, tests, etc. will be delivered. This is how the course will remain interactive and engaging while still being completely online.

Student Responsibilities or Tips for Success in the Course

The syllabus/schedule are subject to change.

Examples include: Regularly logging into the course website, approximately 6 hours of weekly study and 3 hours of participation time expected. These anticipated times are an estimation and may require more or less. Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. It is the student's responsibility to have a backup method to deal with inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, an ETAMU campus open computer lab, etc. Any changes in the course schedule, such as examination dates, deadlines, etc. will be announced ahead of time via email and on the D2L course module. It is the students' responsibility to be informed of these changes. It is the student's responsibility to be informed about deadlines concerning registration (e.g., last day for withdrawal, etc.).

GRADING

- **Quizzes**
 - There will be weekly quizzes based on the module/chapter(s) covered in the textbook.
 - These are open note but please work independently.
- **Lab Assignments**
 - There will be weekly lab assignments based on the module/chapter(s) covered in the lecture and the textbook.
 - Students will work together during lab period to complete this assignment.
 - Must be completed prior to the end of class.
- **Exams**
 - There will be two exams given during normal class period.
- **AVMA Task List**
 - The task list is a pass/fail for the class
- **Attendance**
 - Attendance is mandatory without an excused absence. If you have an excused absence, instructor must be notified prior to missed class. Supporting documentation such as doctor notes may be requested.

Late Work

Late submissions: Submissions will be due at a specified date and time. Any time after the due date, the homework is considered late and may receive an automatic 25% reduction in the final score and an additional 25% reduction each day beyond the due date.

The syllabus/schedule are subject to change.

The final grade in the course will be based on your accumulated total points during the semester according to the following distribution:

Quizzes – weekly (15 points each)	150 points
Lab assignments (25 points each)	300 points
Attendance	50 points
Exams (2X 150 pts)	300 points
AVMA Task List	Pass/Fail
Total	800 points

Final grades in this course will be based on the following scale:

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% or Below

TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by East Texas A&M University have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

YouSeeU Virtual Classroom Requirements:

<https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements>

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

The syllabus/schedule are subject to change.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a East TAMU campus open computer lab, etc.

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact the Instructor. If you contact me by email Monday-Thursday, you can expect to hear back from me within 24 hours. Emails sent Friday after 3p through Sunday evening may not be receive a response until Monday.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](#).

<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum:

<https://www.britannica.com/topic/netiquette>

The syllabus/schedule are subject to change.

East TAMU Attendance

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

Academic Integrity

Students at East Texas A&M University are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)
[Undergraduate Student Academic Dishonesty Form](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf>

[Graduate Student Academic Dishonesty Form](#)

<http://www.tamuc.edu/academics/graduateschool/faculty/GraduateStudentAcademicDishonestyFormold.pdf>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

East Texas A&M University

Velma K. Waters Library Rm 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu

Website: [Office of Student Disability Resources and Services](#)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

The syllabus/schedule are subject to change.

Nondiscrimination Notice

East Texas A&M University will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in East Texas A&M University buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and East Texas A&M Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all East Texas A&M campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

East Texas A&M Supports Students' Mental Health

The Counseling Center at East Texas A&M, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel

The syllabus/schedule are subject to change.



As an Institutional Member of the National Association of Schools of Music, East Texas State A&M University supports the Association's commitment to student health and wellness. The following web address provides links to information for resources related to physical and mental well-being, as well as assists in offering preventative measures that students can take to avoid serious and/or chronic conditions: [Musician Health and Safety - East Texas A&M University](#)

Use of Artificial Intelligence

East Texas A&M University acknowledges that there are legitimate uses of Artificial Intelligence, ChatBots, or other software that has the capacity to generate text, or suggest replacements for text beyond individual words, as determined by the instructor of the course.

Any use of such software must be documented. Any undocumented use of such software constitutes an instance of academic dishonesty (plagiarism).

Individual instructors may disallow entirely the use of such software for individual assignments or for the entire course. Students should be aware of such requirements and follow their instructors' guidelines. If no instructions are provided the student should assume that the use of such software is disallowed.

In any case, students are fully responsible for the content of any assignment they submit, regardless of whether they used an AI, in any way. This specifically includes cases in which the AI plagiarized another text or misrepresented sources

The syllabus/schedule are subject to change.

COURSE OUTLINE / CALENDAR

Pharmacology tentative schedule:

Week (date)	Topic	Quiz#/due date	Assignment
1 (8/25)	Review syllabus, get textbook		Get your textbook,
2 (9/1)	Chapter 1 – Chemical basis for life Chapter 2 – Anatomy of cell	Quiz 1 due 9/7	Lab assignment 1 in class
3 (9/8)	No Class		Online lab assignment due 9/14
4 (9/15)	Chapter 3 – Cell physiology	Quiz 2 due 9/21	Lab assignment 2 in class
5 (9/22)	Chapter 4 – Blood, lymph and lymph nodes	Quiz 3 due 9/28	Lab assignment 3 in class
6 (9/29)	Chapter 5 – Immunity and defense	Quiz 4 due 10/5	Lab assignment 4 in class
7 (10/6)	MIDTERM EXAM		MIDTERM EXAM
8 (10/12)	Integument and Related Structures	Quiz 5 due 10/18	Lab assignment 5 in class
9 (10/20)	Skeletal - part 1	Quiz 6 due 10/25	Lab assignment 6 in class
10 (10/27)	Skeletal - part 2	Quiz 7 due 11/1	Lab assignment 7 in class
11 (11/3)	Muscular - part 1	Quiz 8 due 11/8	Lab assignment 8 in class
12 (11/10)	Muscular – part 2	Quiz 9 due 11/15	Lab assignment 9 in class
13 (11/17)	Nervous – part 1	Quiz 10 due 11/22	Lab assignment 10 in class
14 (11/24)	Nervous – part 2		Lab assignment 11 in class
15 (12/1)	Final exam review		STUDY FOR FINAL
16 (12/8)	Final Exam (cumulative)		Final Exam

The syllabus/schedule are subject to change.