



VETT 410 Vet Anesthesiology

COURSE SYLLABUS: Fall 2026

Face-to-face
Monday 9-11:50 AM

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)

Required • Anesthesia, Analgesia, and Pain Management for Veterinary Technicians

Author: **Janet Amundson Romich**
ISBN: **9780357709382**

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 course equips students with the essential skills to manage every phase of anesthesia across multiple species and cases. You will master the anesthesia machine, physiological monitoring, patient-specific pharmacology, and emergency resuscitation to ensure safe, effective anesthetic and analgesic care.

Student Learning Outcomes

1. The student will be able to properly identify parts, set up and care for the anesthesia machine.
2. The student will understand cardiovascular and respiratory physiology and how it correlates with anesthesia.
3. Students will be able to make a safe and effective anesthetic and analgesic plan.
4. The student will be confident throughout the anesthetic process including premedication, induction, maintenance and recovery periods.
5. The student will be able to identify and troubleshoot anesthetic complications.
6. The student will be familiar with anesthetic and analgesic protocols for small animals, special cases, large animals, food producing species, pet birds and exotic small mammals.
7. The student will be familiar with cardiac arrest and cardiopulmonary cerebral resuscitation.
8. The student will be familiar with multiple pain management options.

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

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

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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

1. Quizzes

- There will be weekly quizzes based on the module/chapter(s) covered in the textbook.
- These are open note but please work independently.
- Many questions will come from the study guide, so ensure you complete the study guide and ask any questions you have before taking your online quiz.

1. Exams

- There will be two exams given during normal class period.

2. AVMA Task List

- The task list is a pass/fail for the class

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 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
Semester Project	50 points
Exams (3X 100 pts)	300 points
Final exam	150 points
AVMA Task List	Pass/Fail
Total	650 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%

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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.

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 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:

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<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>

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>

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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/)

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

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.

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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



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.

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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

COURSE OUTLINE / CALENDAR

Pharmacology tentative schedule:

Week (date)	Topic	Quiz#/due date	Assignment
1 (8/24)	Review syllabus, get textbook	Quiz 1 due 8/30	Get your textbook, read chapters 1-2
2 (8/31)	Chapter 1 – Intro to anesthesia Chapter 2 – The anesthesia machine	Quiz 2 due 9/6	Read chapters 3-4
3 (9/7)	LABOR DAY		LABOR DAY
4 (9/14)	Chapter 3 – Cardi and resp physiology Chapter 4 – Fluid therapy and IV catheterization	Quiz 3 due 9/20	Read chapters 5 & 7
5 (9/21)	Chapter 5 – Anesthetic and analgesic pharm Chapter 7 – Anesthesia monitoring	Quiz 4 due 9/27	Study for Exam 1
6 (9/28)	Exam 1		Exam 1 Read chapters 6 & 8
7 (10/5)	Chapter 6 – Creating and anesthetic and analgesic plan Chapter 8 - Premedication	Quiz 5 due 10/11	Read chapters 9-10
8 (10/12)	Chapter 9 – The induction period	Quiz 6 due 10/18	Read chapters 11-12

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	Chapter 10 – The maintenance period		
9 (10/19)	Chapter 11 – The recovery period Chapter 12 – Anesthetic complications	Quiz 7 due 10/25	Study for exam 2
10 (10/26)	Exam 2		Exam 2 Read chapters 13-12
11 (11/2)	Chapter 13 – Cardiac arrest and CCPR Chapter 14 – Anesthetic techniques for special cases	Quiz 8 due 11/8	
12 (11/9)	Chapter 19 – Anesthesia and analgesia of Large and Food animals Chapter 20 – Anesthesia and analgesia of pet birds and exotic small mammals	Quiz 9 due 11/15	
13 (11/16)	Exam 3		EXAM 3
14 (11/23)	Chapter 15 – Acute pain management Chapter 16 – Chronic pain management Chapter 17 – Analgesic Techniques	Quiz 10 due 11/29	Thanksgiving Break
15 (11/30)	Final exam review		Semester project due 12/4 @ 11:59 PM
16 (12/7)	Final Exam (cumulative)		Final Exam

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