



VETT 412-001 Veterinary Anesthesia, Dentistry and Surgical Skills

COURSE SYLLABUS: Fall 2026
Face-to-Face
Tuesday and Thursday 8-11:50 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)

- **all materials will be provided**

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.

Course Description

This course takes all the previous knowledge learned within the classroom walls and allows students to apply it clinically. During this course, students will assist during actual surgeries and perform actual dental cleanings. This course prepares students for their future careers by allowing them to have hands-on experience.

Prerequisites: Current enrollment in the last year of the professional Veterinary Biomedical Technology program.

The syllabus/schedule are subject to change.

Student Learning Outcomes

1. The student will understand typical surgical procedures.
2. The student will understand typical anesthetic procedures.
3. The student will understand typical dentistry procedures.
4. The student will be confident monitoring anesthesia during dentistry and surgical procedures.
5. The student will be able to assist with surgical procedures.
6. The student will be able to perform proper dental radiographs and dental cleanings.
7. The student will be able to correctly prepare the anesthesia machine for surgery.
8. Students will be able to close surgical incisions using common and simple suture patterns.
9. Students will feel comfortable with every part of the surgical, anesthetic and dental procedure.

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 section describes how the learning process will be conducted (delivery modalities, course structure, Getting Started and types of learning activities and assessments). This course is the lecture companion to the Pharmaceutical Calculations course from the Fall semester. This course will be delivered face-to-face.

Student Responsibilities or Tips for Success in the Course

Examples include: Regularly logging into the course website, approximately 2 hours of weekly study and 2 hours of participation time expected. These anticipated times are an estimation and may require more or less.

GRADING

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

A = 630 - 700 Points = 90-100%

B = 560 - 629 Points = 80-89%

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C = 490 - 559 Points = 70-79%

D = 420 - 489 Points = 60-69%

F = 419 & below = less than 59%

Course grades come from:

Attendance (10 points/day)	300 points
Participation (10 points/day)	300 points
Animal Care Duty (10 points/week)	100 points
Calculated Drug Sheets (5 points/week)	50 points
AVMA Task List	Pass/Fail
TOTAL	750 points

1. Attendance

- You are expected to come to class every meeting.
- Excessive absences will result in a deduction of overall course points.
- Excused absences must be discussed with the instructor within 48 hours of a missed class, preferably before.

2. AVMA Task List

- The task list is pass/fail for this class

3. Animal Care Duty

- Animal Care Duty is **REQUIRED** of every student in the Veterinary Biomedical Technology Program. If the student is absent or will not be able to make the shift, the student must contact other peers to cover the shift ASAP, preferably 24 hours or earlier in advance. Additionally, please attempt to contact other peers to cover your shifts before contacting the GAs or professors. Once a coverage has been made, it is your responsibility to notify the instructors immediately. Any absences with little to no warning will be noted and affect the final grade.
- **Punctuality:** It is important to arrive on time for ACD. Arriving late disrupts the flow of animal care and can hinder the team. It is the student's responsibility to "clock in" to your ACD shift when you first arrive. This will document the time of arrival.
- **Clocking anyone other than yourself in is considered cheating and will be treated as such.**
- **Grace Period:** A grace period of [5 minutes] will be allowed for each ACD. If you arrive after this time, you will be considered tardy.
- **Consequences of Tardiness:**
 - **First Offense:** A verbal reminder.
 - **Second Offense:** A written warning.

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- **Subsequent Offenses:** May result in additional consequences, including a reduction in participation points or other measures as outlined in the syllabus.
- **Excused Tardiness:** If you anticipate being late due to extenuating circumstances (e.g., medical emergencies, or family issues), please notify me in advance when possible.

4. Assessments

The student will be graded on effort, attentiveness, and performance. Assessments will be given throughout the semester and may or may not be announced. It is important for the student to always give their best efforts to get the most out of this course.

5. Calculated Drug Sheets

- Calculated drug sheets include the calculated amount of each drug to be administered to the students assigned surgery patient weekly. These are required prior to surgery starting. It is recommended to perform the night prior. If you do not have the weight of your patient, it is the student's responsibility to arrive early to gather the information needed and finish the calculated drug sheet.

Additional assignments may

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>

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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:

<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).

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

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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>

[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

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Email: studentdisabilityservices@tamuc.edu

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

<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.

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

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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.

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COURSE OUTLINE / CALENDAR

Pharmacology tentative schedule:

Week (date)	Topic	Quiz#/due date	Assignment
1 (8/20)	Review syllabus, introduction		
2 (8/25)	Suture Procedure rundown		
2 (8/27)	Suture		
3 (9/1)	EKG		
3 (9/3)	EKG		
4 (9/8)	Intubation		
4 (9/10)	Intubation		
5 (9/15)	Anesthesia		
5 (9/17)	Anesthesia		
6 (9/22 & 9/24)	SURGERY STARTS!		Drug Sheet, ACD
7 (9/29 & 10/1)	Surgery		Drug Sheet, ACD
8 (10/6 & 10/8)	10/8 FALL BREAK, NO CLASS		
9 (10/13 & 10/15)	Surgery		Drug Sheet, ACD
10 (10/20 & 10/22)	Surgery		Drug Sheet, ACD
11 (10/27 & 10/29)	Surgery		Drug Sheet, ACD
12 (11/3 & 11/5)	Surgery		Drug Sheet, ACD
13 (11/10 & 11/12)	Surgery		Drug Sheet, ACD
14 (11/17 & 11/19)	Surgery		Drug Sheet, ACD
15 (11/24 & 11/26)	THANKSGIVING BREAK, NO CLASS		
16 (12/1 & 12/3)	Surgery		Drug Sheet, ACD
17 (12/10)	Finals week		ACD

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