



VETT 340 01W – Veterinary Clinical Pathology I

CRN: 81163

COURSE SYLLABUS: Fall 2026
Web-Based

INSTRUCTOR INFORMATION

Instructor: Kristi Geckler, MS, LVT

Office Location: Veterinary Biomedical Technology – 100A

Office Hours: By appointment via email

Office Phone: 903-886-5203

University Email Address: Kristi.Geckler@etamu.edu

Preferred Form of Communication: University Email

Communication Response Time: 24-48 hours

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) Required:

- Laboratory Procedures for Veterinary Technicians
 - Author: Kristin J. Holtgrew-Bohling
 - ISBN: 9780443117169
- Laboratory Manual for Laboratory Procedures for Veterinary Technicians
 - Author: Kristin J. Holtgrew-Bohling
 - ISBN: 9780443117114

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

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 which will need to be opened using Adobe PDF, Microsoft Word, Microsoft Excel, and Microsoft Power Point.

The syllabus/schedule are subject to change.

Course Description

An introduction to Veterinary Clinical Pathology as it relates to normal and abnormal physiology of animal species. This course deals with the examination of blood, urine, exudates, and cells for diagnostic and prognostic purposes in veterinary practice. Topics include but not be limited to: proper collection and preparation of biological samples, analysis of urine, blood, blood chemistry and cytological samples and necropsy procedure with sample collection.

Prerequisites: Current enrollment in the professional Veterinary Biomedical Technology program, and completion of VETT 100, 101, 220, 307, 308, 325, 326, ANS 1319, BSC 1406, CHEM 1305 or 1311 with a minimum grade of C.

Student Learning Outcomes (Should be measurable; observable; use action verbs)

1. Students will demonstrate the ability to perform a variety of clinical pathology procedures to include those related to blood, urine, and tissue.
2. Students will effectively be able to identify common findings in a microscopic evaluation of blood, urine, and tissue.
3. Students will be able to properly collect, process, and ship specimens to a referral laboratory for analysis.
4. Demonstrate the understanding of how to prepare, handle, and submit appropriate samples for diagnostic analysis to ensure accuracy of results.
5. Students will learn their role as veterinary technician, team member, and client educator in a laboratory, clinical, and diagnostic setting.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

- Using the learning management system (D2L).
- Using Microsoft Word, Microsoft Excel, and Microsoft Power Point.
- Using presentations and graphic programs, etc.

Instructional Methods

- This course will be using the D2L learning platform.
- D2L is how lecture content, assignments, discussions, quizzes, and tests will be delivered.

Student Responsibilities or Tips for Success in the Course

- 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.
- The student will be held responsible for being familiar with all material presented in lectures, reading, and classmates' presentations.
- The student is expected to participate in all course activities and complete all assignments, quizzes, and examinations on time.
 - Any late work will receive an immediate 15% deduction in overall points. Points will be deducted from there accordingly.
 - **Any work not submitted after 48 hours from original deadline will receive a final grade of zero.**

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- It is the student's responsibility to be aware of posted deadlines and turn in the required work.
- It is the student's responsibility to reach out via email if there are any extenuating circumstances that may allow for an extension (death of an immediate family member, hospitalization, etc.). These extensions will be given based on the excused absence policy set by the university.
- Any changes in the course schedule, such as examination dates, deadlines, etc. will be announced ahead of time via announcements on D2L or within the modules.
 - It is the student's responsibility to be informed of these changes by logging in to D2L.
- It is the student's responsibility to be informed about deadlines concerning registration (e.g., last day to drop, last day to withdraw, etc.).

Assessments

Attendance

- Students are expected to log in and complete all required assignments and exams by the due date.

Assignments

- Each unit will have assignments from the laboratory manual.
- Students will complete the instructed assignment and submit it in the appropriate area.

Unit Exams

- Each unit will have exams based on the chapter materials covered.
- Students will log in and take exams by assigned due dates.

Final Exam

- Final exam will be a cumulative exam based on the material covered throughout the semester.

GRADING

Final grades in this course will be based on your accumulated total points during the semester according to the following distribution:

<u>Grade Item</u>	<u>Totals</u>	<u>Letter Grade</u>	<u>Points</u>	<u>Percentage</u>
Attendance	50 points	A	675-750	90-100%
Assignments	200 points	B	600-674	80-89%
Unit Exams	400 points	C	525-599	70-79%
Final Exam	100 points	D	450-524	60-69%
Total Points	750 points	F	<449	0-59%

Course Outline/Calendar

The syllabus/schedule are subject to change.

Week	Module Information	Assignments Due
Week 1 (8/24)	Unit 1 – The Veterinary Practice Laboratory Ch. 1 – Safety Concerns and OSHA Standards Ch. 2 – General Laboratory Equipment Ch. 3 – The Microscope Ch. 4 – The Metric System and Calculations Ch. 5 – Quality Control and Record Keeping	Assignment #1 Exam #1 Due: August 30th
Week 2 (8/31) Week 3 (9/7)	Unit 2 – Hematology Ch. 6 – Hematopoiesis Ch. 7 – Sample Collection and Handling for Hematology Ch. 8 – Hemoglobin, PCV, and Erythrocyte Indices Ch. 9 – Evaluating the Blood Smear Ch. 10 – Morphologic Abnormalities of Blood Cells Ch. 11 – Additional Hematologic Tests Ch. 12 – Hematopoietic Disorders and Classification of Anemia Ch. 13 – Automated Analyzers for Hematology	Assignment #2 Exam #2 Due: September 13th
Week 4 (9/14) Week 5 (9/21)	Unit 3 – Hemostasis Ch. 14 – Principles of Blood Coagulation Ch. 15 – Sample Collection and Handling for Hemostasis Analysis Ch. 16 – Platelet Evaluation Ch. 17 – Coagulation Testing Ch. 18 – Disorders of Hemostasis	Assignment #3 Exam #3 Due: September 27th
Week 6 (9/28) Week 7 (10/5)	Unit 4 – Clinical Chemistry Ch. 19 – Sample Collection and Handling for Clinical Chemistry Ch. 20 – Protein Assays and Hepatobiliary Function Tests Ch. 21 – Kidney Function Tests Ch. 22 – Pancreatic Function Tests Ch. 23 – Electrolytes and Acid-Base Status Ch. 24 – Miscellaneous Tests in Clinical Chemistry Ch. 25 – Automated Analyzers	Assignment #4 Exam #4 Due: October 11th
Week 8 (10/12) Week 9 (10/19)	Unit 5 – Urinalysis Ch. 26 – Anatomy and Physiology of the Urinary System Ch. 27 – Sample Collection and Handling for Urine Ch. 28 – Physical Examination of Urine Ch. 29 – Chemical Evaluation of Urine Ch. 30 – Urine Sediment Analysis	Assignment #5 Exam #5 Due: October 25th

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Week 10 (10/26) Week 11 (11/2)	Unit 7 – Cytology Ch. 37 – Sample Collection and Handling for Cytology Ch. 38 – Preparation of Cytology Smears Ch. 39 – Microscopic Evaluation of Cytology Ch. 40 – Cytology of Specific Sites	Assignment #6 Exam #6 Due: November 8th
Week 12 (11/9) Week 13 (11/16)	Unit 8 – Microbiology Ch. 41 – Introduction to Microbiology Ch. 42 – Equipment and Supplies for Microbiology Ch. 43 – Sample Collection and Handling for Microbiology Ch. 44 – Staining Specimens in Microbiology Ch. 45 – Culture Techniques in Microbiology Ch. 46 – Antimicrobial Sensitivity Testing Ch. 47 – Additional Testing in Microbiology Ch. 48 - Mycology	Assignment #7 Exam #7 Due: November 22nd
Week 14 (11/23) Week 15 (11/30)	Unit 9 – Immunology Ch. 49 – Basic Principles of Immunity Ch. 50 – Common Immunologic Laboratory Tests Ch. 51 – Blood Groups and Immunity Ch. 52 – Intradermal Testing Ch. 53 – Reference Laboratory Immunoassays Ch. 54 – Disorders of the Immune System	Assignment #8 Exam #8 Due: December 6th
Week 16 (12/7)	Final Exam Cumulative – All Chapters	Due: December 11th at 5:00 PM

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

Zoom Video Conferencing Tool

https://inside.tamuc.edu/campuslife/CampusServices/CITESupportCenter/Zoom_Account.aspx?source=universalmenu

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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@etamu.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 TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor.

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>

STUDENT RESPONSIBILITIES FOR COURSE

CWID and Password

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@etamu.edu.

Technology-Related Issues

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 ETAMU campus open computer lab, etc.

TECHNOLOGY REQUIREMENTS AND SUPPORT

Minimal Technical Skills Needed

Students will need reliable computer and internet access for this course. Students must be able to effectively use myLeo email, myLeo Online D2L, and Microsoft Office.

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Learning Management System (LMS) – D2L

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 the technical requirements:

- View the [Learning Management System Requirements Webpage](#).
- Learn more on the [LMS Browser Support Webpage](#).

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 on the [Brightspace Support Webpage](#).

COMMUNICATION AND SUPPORT

Interaction with Instructor Statement

If you have any questions or are having difficulties with the course material, please contact your instructor. Correspondence will always be through university email (your “myLeo” mail) and announcements in myLeo online (D2L). You will not RECEIVE email through D2L, so be sure to check your ETAMU email for communication. Students are encouraged to check university email daily.

Include the Following in Emails with Instructor:

- Course name and subject in the subject line
- Salutation (Good afternoon, Dr. Jackson)
- Proper email etiquette (no “text” emails – use proper grammar and punctuation)
- Student name and CWID after the body of the email (possibly add to student signature on email)

COURSE AND UNIVERSITY 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.

Student Conduct

The syllabus/schedule are subject to change.

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 online in the [Student Guidebook](#).

Students should also consult the [Rules of Netiquette Webpage](#) for more information regarding how to interact with students in an online forum.

ETAMU Attendance

For more information about the attendance policy, please view the [Attendance Webpage](#) and the [Class Attendance Policy](#)

Academic Integrity

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

[Undergraduate Academic Dishonesty University Procedure 13.99.99.R0.03](#)

[Undergraduate Student Academic Dishonesty Form](#)

[Graduate Student Academic Dishonesty University Procedure 13.99.99.R0.10](#)

[Graduate Student Academic Dishonesty Form](#)

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

Students with Disabilities-- ADA Statement

The syllabus/schedule are subject to change.

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@etamu.edu

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

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 ETAMU 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.

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

East Texas A&M Supports Students' Mental Health – Counseling Services

The Counseling Center at East Texas A&M University, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students.

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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

Mental Health and Well-Being

The university aims to provide students with essential knowledge and tools to understand and support mental health. As part of our commitment to your well-being, we offer access to Telus Health, a service available 24/7/365 via chat, phone, or webinar. Scan the QR code to download the app and explore the resources available to you for guidance and support whenever you need it.



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](#)

Department and Accrediting Agency Statement:

School of Music Mission Statement:

The School of Music at East Texas A&M University promotes excellence in music through the rigorous study of music history, literature, theory, composition, pedagogy, and the preparation of music performance in applied study and ensembles to meet the highest standards of aesthetic expression.

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