



VETT330L Diagnostic Imaging for Veterinary Technicians lab

CR 81159

COURSE SYLLABUS: Fall 2025

INSTRUCTOR INFORMATION

Instructor: **Mrs. Catrina Soto, MS., BAS., LVT**

Office Location: **VBMT 100**

Office Hours: **by appointment only**

Office Phone: **903-886-5203**

University Email Address: **catrina.soto@tamuc.edu**

Preferred Form of Communication: **email**

Communication Response Time: **48 hours**

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s)

- **Required:**
 - Diagnostic Imaging for Veterinary Technicians 2nd edition
 - By Margi Sirois & Joshua M. Schlote
 - Publisher: Blue Door Publishing
 - ISBN: 978-1-64386-518-8
 - Digital: 978-1-77494-284-0
 - Essential Clinical Procedures for Veterinary Technicians 1st edition
 - By Kristin Loy
 - Publisher: Blue Door
 - ISBN 978-1-68135-748-5
- **Recommended**
 - Imaging Anatomy-online access
 - https://vetmed.illinois.edu/imaging_anatomy/index.html
- **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.

The syllabus/schedule are subject to change.

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

Course Description

VETT 330L Imaging for Veterinary Technicians

Presentation of theory and principles and practical application of radiology within the field of veterinary medicine. The student will implement and follow recommended safety procedures; prepare and use technique charts; take and process diagnostic radiographs using stationary and portable X-ray machines; properly care for radiographic equipment; and label, file, and store radiographs

Student Learning Outcomes

1. Students will demonstrate the ability to follow radiation safety procedures.
2. Students will effectively be able to obtain diagnostic radiographs using stationary X-ray machines.
3. Students will be able to prepare and use technique charts.
4. Students will be able to evaluate and maintain all radiographic equipment including PPE, imaging plates/receptors, positioning devices, and DICOM system
5. Students will be able to identify, use, and maintain other diagnostic imaging modalities such as ultrasound and endoscopy equipment.
6. Students will learn their roles as veterinary technicians, team members, and client education in a laboratory, clinical, and diagnostic setting.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

Using the learning management system, using Microsoft Word and PowerPoint, using presentation and graphics programs, etc.

Instructional Methods

This course will be using the d2L learning platform. D2L is how lectures content, assignments, discussions and quizzes/tests will be delivered. This course is face to face interaction due to the level of task/skills required by the AVMA.

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 is responsible for being familiar with all material presented in lectures, readings, learning activities, and quizzes.
- The student is expected to participate in all course activities and complete all examinations and course assignments on time.

The syllabus/schedule are subject to change.

- Any changes in the course schedule, such as examination dates, deadlines, etc., will be announced ahead of time on the d2L website.
- It is the student's responsibility to be informed of these changes. The syllabus/schedule are subject to change. It is the student's responsibility to be informed about deadlines concerning registration (e.g., last day for withdrawal).
- Communication: The instructor will communicate with students through email, appointment, and/or D2L.

GRADING

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

A = 900 - 1000 Points

B = 800 - 899 Points

C = 700 - 799 Points

D = 600 - 699 Points

F = 599 & below

Course grades come from:

| | |
|---|--------------------|
| 4 lecture unit exams @ 100 points each | 400 points |
| 1 lecture final exam @ 150 points | 150 points |
| 5 Lecture assignments @ 10 points each | 50 points |
| Lab Midterm | 150 points |
| Lab Final | 200 points |
| 5 lab assignments @ 10 points each | 50 points |
| 1 AVMA skill list | Pass/Fail |
| TOTAL | 1000 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 professor within 48 hours of a missed class, preferably before.

2. Assignments/ Worksheets

- Late submissions: Submissions will be due at a specified date and time. Any time after the due date, the homework is considered late and will receive an automatic 15% reduction in the final score and a 5% reduction each day beyond the due date.

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Assessments

Lab Exams will consist of a midterm and final, both with written and practical portions. The final will be comprehensive/cumulative and will be given during lab time on: Time and Location TBA

Lecture exams, unit and final, will include T/F, matching, multiple choice, multiple answer, identification, and short answer. These are to be completed and submitted online by the due date. The exams are timed and you will have only one attempt.

Assignments

Lecture and Lab will have assignments that are to be completed and submitted by the specified due date. The assignments will be related to material, enforcing the content being presented at the time.

Skill List

This lab contains an AVMA required task/skill list that must be completed and submitted to pass the course. If it is not submitted, you will not pass regardless of your overall point accumulation in the course. All skills listed will be part of the weekly lab material.

TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by Texas A&M University-Commerce 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

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

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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>

Interaction with Instructor Statement

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.

<https://inside.tamuc.edu/admissions/registrar/documents/studentGuidebook.pdf>.

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>

TAMUC Attendance

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

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

Academic Integrity

Students at Texas A&M University-Commerce 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](#)

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[Undergraduate Student Academic Dishonesty Form](#)

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

Graduate Students Academic Integrity Policy and Form

[Graduate Student Academic Dishonesty Form](#)

<https://inside.tamuc.edu/aboutus/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10.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

Texas A&M University-Commerce
Velma K. Waters Library Rm 162
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
Email: studentdisabilityservices@tamuc.edu

Website: [Student Disability Services](#)

<https://www.tamuc.edu/student-disability-services/>

Nondiscrimination Notice

Texas A&M University-Commerce 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 Texas A&M University-Commerce 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 A&M-Commerce 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 A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

A&M-Commerce Supports Students' Mental Health

The Counseling Center at A&M-Commerce, 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

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.



<http://telusproduction.com/app/5108.html>

AI use policy [Draft 2, May 25, 2023]

Texas A&M University-Commerce 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.

13.99.99.R0.03 Undergraduate Academic Dishonesty

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Department or Accrediting Agency Required Content

COURSE OUTLINE / CALENDAR

Diagnostic Imaging tentative schedule:

| Week | Lecture | Lab |
|------|---|--|
| 1 | Review course and due dates Chap 1 (radiation concepts) | Lab intro, basic radiation safety, X-ray film & development (chap 4 & 5) |
| 2 | Chap 2 (radiation equipment) | Chap 11 – Patient Positioning & Review week 1 Chap 12 –Thorax Models |
| 3 | Chap 3 (radiation safety) Exam #1 chap 1-3 | Chap 12 –Thorax Models/Live animals |
| 4 | Chap 6 (Quality Assurance) | Chap 12 – Small Animal Ab &Thorax continued Models/Live animals |
| 5 | Chapt 7 (Digital Imaging) | Chap 13 – Hind limbs Models |
| 6 | Chap 8 (Contrast Studies) | Chap 13 – Pelvis (OFA study – Ax required) Models/Live animals Practice hind limbs, abdomen, pelvis studies |
| 7 | Chap 8 (Contrast Studies) | Chap 13 – Abdomen (Contrast study) Live animals prepare for Barium study(s) |
| 8 | Exam #2 chap 6-8 | Lab Midterm-practical |
| 9 | Chap 9 (Ultrasound) | Chap 9 –ultrasound Models/Live Animals/Guest Speaker |
| 10 | Chap 9 (Ultrasound) | Chap 14 - Small Animal Thoracic Girdle and Forelimbs Model/live animals |
| 11 | Chap 10 (Alternate Imaging) | Chap 15 – Small Animal Skull & Spine (Ax required) Live animals |
| 12 | Chap 10 (Alternate Imaging) Exam #3 chap 9 & 10 | Chap 10 – endoscopy scope towers Animal Imaging Center |
| 13 | Chap 16 (Dental Imaging) Chap 17(Exotics Imaging) | Review dental imaging Models Exotic radiology studies Live animals |

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| | | |
|----|---|---|
| 14 | Chap 18 (Large Animal Imaging) Exam #4 chap 16-18 | Large animal imaging Live animals |
| 15 | Chap 18 (Large Animal Imaging) | Large animal imaging Live animals |
| 16 | Review & Prep for Final/Final Exam | Lab Final |

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