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VETT 307 Veterinary Anatomy & Physiology II

CRN 25646

COURSE SYLLABUS: Spring 2024

Hybrid: Content on d2L and lecture

INSTRUCTOR INFORMATION

Instructor: Nancy Turner, DVM
Office: VBTL 100A or AGIT 233A
Office number: 903-886-5203
Office hours: By appointment via email
E mail: Nancy.Turner@tamuc.edu

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbooks Required:

- **Lecture**
 - o **Clinical Anatomy & Physiology for Veterinary Technicians, 3rd edition**
 - By Colville & Bassert
 - “Textbook”
 - ISBN-13: 978-0323227933
- **Lab:**
 - o **Anatomy of Domestic Animals, Systemic & Regional Approach, 11th edition**
 - By Pasquini
 - Lab Manual = “The bible of veterinary anatomy”
 - ISBN-13: 978-0962311420

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 a two-course sequence examining the structure and function of comparative vertebrate animal body systems important in health and disease. Terminology and vocabulary of the veterinary field will be emphasized. A systems approach to prepare students to locate and recognize clinically significant anatomical features will be utilized. 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. Prerequisites: VETT 100, VETT 101 and ANS 1319. Corequisites: VETT 306 Vet A&P Lab I

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 be using the d2L learning platform to supplement face-to-face instruction. Lectures content, assignments, discussions, and quizzes/tests will be delivered both face-to-face and over d2L.

Student Responsibilities or Tips for Success in the Course

Regularly logging into the course website and approximately 3 hours of weekly study and participation time are expected. Study and participation time is 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.
- Any changes in the course schedule, such as examination dates, deadlines, etc., will be announced ahead of time via email and on the **d2L website**.
 - o It is the student's 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).
- Communication: The instructor will communicate with students through email and D2L

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GRADING

1. Attendance

- Students are expected to be present for all class meetings of any course for which they are enrolled.
- Role will be taken daily via unannounced quizzes, sign-in sheets, etc.
- Students are permitted to make up work for absences which are considered by the faculty member to be excusable. The method of making up this work shall be determined by the faculty member, and it is the student's responsibility to request such work.
- The student is responsible for providing the faculty member with the reason(s) for absence. The faculty member then determines the validity of the reason(s) for the absence and whether the student is to be excused for the absence.

2. Participation

- Every student will come to lecture prepared:
 - i. Read chapter
 - ii. Watch online lecture
 - iii. Take notes
 - iv. Complete the study guide if provided
- If it becomes apparent that you are not prepared for class, points will be deducted from this area.

3. Assignments/ Worksheets

- Homework assignments will vary from module to module.
- **Late homework:** Homework will be due at a specific date and time.
- **Absolutely no late work will be accepted. If you need an extension on a due date, you must ask for it in advance.**
- **Extensions will not be granted if the due date has passed.**

4. Student Tutorials

- Students may be assigned to work in groups to present to the class content summaries and teach their fellow students different body systems and/or diseases
- This will include a visual aide (typically a presentation), assignments, and exam questions.

5. Exams:

- Tests/Quizzes/Exams will be given throughout the semester to evaluate learning, these will be announced in advanced and have a specific focus.
- There will be a midterm and final exam with a format that may include T/F, matching, multiple choice, and short answer or essay.
- The midterm and final exams will be cumulative.

6. Professionalism

- Ethics: If you are caught cheating on anything, this will automatically cut this category in half (and you will receive a zero for that assignment/quiz/exam).
- Attitude is evaluated each time you communicate with course instructors.

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- i. Are you sending professional emails?
- ii. Are you working as a team to resolve conflict and improve processes?
- iii. Are you looking for resources or answers first before asking for help?
- iv. Are you contributing in a positive manner to the culture and environment of your workplace?

7. Student Created Exam Review:

- The final exam will be comprehensive/cumulative
- The final exam format may include T/F, matching, multiple choice, and short answer or essay.
- The week before will be a review week and you will work in groups to create mock exam questions.
- These will be multiple choice/fill-in-the-blank/ short answer questions.
- These will be the bank of questions that you all create and that will then be turned into the OFFICIAL study guide.
- Only questions listed on the OFFICIAL study guide will appear on the final, there will be no surprises.

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

Participation and Attendance	100
Assignments:	500
Quizzes/Exams	350
Journal Club and Rounds:	200
Student Created review	50
Professionalism	100
Final Exam:	100
Total	1400

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

Browser support

D2L is committed to performing key application testing when new browser versions are released. New and updated functionality is also tested against the latest version of supported browsers. However, due to the frequency of some browser releases, D2L cannot guarantee that each browser version will perform as expected. If you encounter any issues with any of the browser versions listed in the tables below, contact D2L Support, who will determine the best course of action for resolution. Reported issues are prioritized by supported browsers and then maintenance browsers.

Supported browsers are the latest or most recent browser versions that are tested against new versions of D2L products. Customers can report problems and receive support for issues. For an optimal experience, D2L recommends using supported browsers with D2L products.

Maintenance browsers are older browser versions that are not tested extensively against new versions of D2L products. Customers can still report problems and receive support for critical issues;

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however, D2L does not guarantee all issues will be addressed. A maintenance browser becomes officially unsupported after one year.

Note the following:

- Ensure that your browser has JavaScript and Cookies enabled.
- For desktop systems, you must have Adobe Flash Player 10.1 or greater.
- The Brightspace Support features are now optimized for production environments when using the Google Chrome browser, Apple Safari browser, Microsoft Edge browser, Microsoft Internet Explorer browser, and Mozilla Firefox browsers.

Desktop Support

Browser	Supported Browser Version(s)	Maintenance Browser Version(s)
Microsoft® Edge	Latest	N/A
Microsoft® Internet Explorer®	N/A	11
Mozilla® Firefox®	Latest, ESR	N/A
Google® Chrome™	Latest	N/A
Apple® Safari®	Latest	N/A

Tablet and Mobile Support

Device	Operating System	Browser	Supported Browser Version(s)
Android™	Android 4.4+	Chrome	Latest
Apple	iOS®	Safari, Chrome	The current major version of iOS (the latest minor or point release of that major version) and the previous major version of iOS (the latest minor or point release of that major version). For example, as of June 7, 2017, D2L supports iOS 10.3.2 and iOS 9.3.5, but not iOS 10.2.1, 9.0.2, or any other version. Chrome: Latest version for the iOS browser.

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Device	Operating System	Browser	Supported Browser Version(s)
Windows	Windows 10	Edge, Chrome, Firefox	Latest of all browsers, and Firefox ESR.

- You will need regular access to a computer with a broadband Internet connection. The minimum computer requirements are:
 - 512 MB of RAM, 1 GB or more preferred
 - Broadband connection required courses are heavily video intensive
 - Video display capable of high-color 16-bit display 1024 x 768 or higher resolution
- You must have a:
 - Sound card, which is usually integrated into your desktop or laptop computer
 - Speakers or headphones.
 - *For courses utilizing video-conferencing tools and/or an online proctoring solution, a webcam and microphone are required.
- Both versions of Java (32 bit and 64 bit) must be installed and up to date on your machine. At a minimum Java 7, update 51, is required to support the learning management system. The most current version of Java can be downloaded at: [JAVA web site](http://www.java.com/en/download/manual.jsp)
<http://www.java.com/en/download/manual.jsp>
- Current anti-virus software must be installed and kept up to date.

Running the browser check will ensure your internet browser is supported.

Pop-ups are allowed.

JavaScript is enabled.

Cookies are enabled.

- You will need some additional free software (plug-ins) for enhanced web browsing. Ensure that you download the free versions of the following software:
 - [Adobe Reader](https://get.adobe.com/reader/) <https://get.adobe.com/reader/>
 - [Adobe Flash Player \(version 17 or later\)](https://get.adobe.com/flashplayer/) <https://get.adobe.com/flashplayer/>
 - [Adobe Shockwave Player](https://get.adobe.com/shockwave/) <https://get.adobe.com/shockwave/>
 - [Apple Quick Time](http://www.apple.com/quicktime/download/) <http://www.apple.com/quicktime/download/>
- At a minimum, you must have Microsoft Office 2013, 2010, 2007 or Open Office. Microsoft Office is the standard office productivity software utilized by faculty, students, and staff. Microsoft Word is the standard word processing software, Microsoft Excel is the standard spreadsheet software, and Microsoft PowerPoint is the standard presentation software. Copying and pasting, along with attaching/uploading documents for assignment submission, will also be required. If you do not have Microsoft Office, you can check with the bookstore to see if they have any student copies.

Interaction with Instructor Statement

The instructor's communication response time and feedback on assessments will be as quickly as possible.

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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 TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT

**Brightspace Support
Need Help?
Student 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, contact Brightspace Technical Support at 1-877-325-7778 or click **Chat** or click on the words “[click here](#)” to submit an issue via email.



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System Maintenance

Please note that on the 4th Sunday of each month there will be System Maintenance which means the system will not be available 12 pm-6 am CST.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

Late work will not be accepted.

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.

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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: [Netiquette http://www.albion.com/netiquette/corerules.html](http://www.albion.com/netiquette/corerules.html)

TAMUC 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 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](#)

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

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

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

ADA Statement

Students with Disabilities

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

Gee Library- Room 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/)

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

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.

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.

VETT 307-308 Vet A&P II Course Outline Spring 2024

	Dates	Week	Lecture	Discussion	Assessment	Lab	Lab Report
1.	Jan 15-22	Module 2 Respiratory	Respiratory physio and disease	Case Study Blood Work	Homework Quiz	Clay Anatomy: Label and create diagrams of the respiratory system	
2.	Jan 22-28		Respiratory physio and disease	Case Study Roars/ Brachycephalic Syndrome	Homework Quiz	Cadaver Anatomy: ID structures	Poster Lab Report

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3.	Jan 29- Feb 5	Module 3 Cardiovascular	Cardiovascular Physiology	Case Study EKG	Homework Quiz Chapter 14	Clay Anatomy: Label and create diagrams of the heart and the circulatory system	
4.	Feb 6-12		Circulatory Histo, Physio Heart Maternal/ fetal circulation	Case Study Saddle Thrombus	Homework Quiz	Cadaver Anatomy: ID structures	Poster Lab Report
5.	Feb 13-19	Module 4 Gastrointestinal	Gastrointestinal Histo/ teeth Monogastric Physio	Case Study Aging cows/horses Dental disease	Homework Quiz Chapter 16	Clay Anatomy: Label and create diagrams of the GI system	
6.	Feb 20-26		Gastrointestinal Ruminant & Equine Physio Pancreases, Gall Bladder and Liver	Case Study GDV/Bloat	Homework Quiz	Cadaver Anatomy: ID structures	Poster Lab Report
7.	Feb 27- Mar 5	Module 5 MIDTERMS	Lecture Midterm			Review for Lab Practical	Lecture Midterm:
8.	Mar 6-12	Module 6 Endocrine	Endocrine System Histo/physio physio	NONE	Homework Quiz	Lab Practical	
9.	March 13-19	SPRING BREAK					
10	Mar 20-26	Module 6 Endocrine	Endocrine System Histo/physio physio	Case Study Diabetes Mellitus	Homework Quiz	Clay Anatomy: Label and create diagrams of the endocrine system	
11	Mar 27-Apr 2	CDE	CDE	CDE	CDE	CDE	Poster Lab Report

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12	April 3-9	Module 7 Reproduction & Parturition	Repro Female Repro Male repro	Mammary Carcinoma/ Age to Spay Case Study Cryptorchidism	Homework Quiz Chapter 19	Clay Anatomy: Label and create diagrams of the endocrine system Cadaver Anatomy: ID structures MALE	
13	Apr 10-16	Module 8 Gestation, Parturition, Lactation	Gestation/ Parturition CDE lecture will be during Parasitology lecture time	Case Study Canine Dystocia and C-section/ Pyometra	Homework Quiz Chapter 20	Cadaver Anatomy: ID structures FEMALE	Poster Lab Report
14	Apr 17-23	Module 9 Urinary	Urinary Histo/Physio Physio	Case Study UTI and Urolithiasis	Homework 023 Quiz Chapter 18	Clay Anatomy: Label and create diagrams of the urinary system Cadaver Anatomy: ID structures	Poster Lab Report
15	Apr 25-30	Module 10 Special Senses	Special Senses Hearing/ vision		Homework Quiz	Clay Anatomy: Label and create diagrams of the eyes and ears Cadaver Anatomy: ID structures	Poster Lab Report
16	May 1-7	Module 11 Exotics	Avian comparative A&P Reptiles Amphibians Comparative A&P		Homework Quiz Chapter 21	Clay Anatomy: Label and create diagrams comparative anatomy Cadaver Anatomy: Avian dissection ID structures	Poster Lab Report Student Created Review Questions
17	May 8-14	Module 12 Finals	Finals Comprehensive!! Lecture Final Lab Practical Final				

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