



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

ANSC 142: Anatomy and Physiology of Domestic Animals

3 Credits (CRN: 64263)

Asynchronous Online Course

INSTRUCTOR: Matthew Tsuda
OFFICE: Hale Imiloa 104
OFFICE HOURS: T 10:00-11:00am
TELEPHONE: 808-343-7507 **EMAIL:** mtsuda@hawaii.edu
EFFECTIVE DATE: Fall 2024

WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

Windward Community College offers innovative programs in the arts and sciences and opportunities to gain knowledge and understanding of Hawai'i and its unique heritage. With a special commitment to support the access and educational needs of Native Hawaiians, we provide the Ko'olau region of O'ahu and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.

CATALOG DESCRIPTION

Introduction to the anatomy and physiology of domestic animals. Compares the anatomy and function of major body systems for the cat, dog and horse, with lesser emphasis on birds, reptiles and amphibians. This course is intended for students entering veterinary technology, veterinary assisting or other animal-related fields. (3 hours lecture) Pre-Requisite(s): Registration in or a grade C or better in ANSC 142 and ANSC 142L. Credit for or placement in ENG 100 and MATH 101. Confirmed attendance to WCC veterinary technology information session.

STUDENT LEARNING OUTCOMES

As a result of taking this course, students can expect to attain the following outcomes:

1. Discuss the chemical building blocks of major biological molecules.
2. Describe the link between cells, tissues, organs, and organ systems.
3. Contrast the structure and function of major body systems (e.g., skeletal, circulatory, respiratory, and reproductive) among companion animals and selected livestock species.
4. Explain how disease and disorders disrupt the homeostasis of each of the above body systems and discuss how common veterinary medical treatments are used to restore homeostasis.

COURSE TASKS

1. Attend lectures
2. Complete assigned readings
3. Complete 5 quizzes throughout the semester at the testing center
4. Complete 4 examinations and 4 exam reviews

ASSESSMENT TASKS AND GRADING

PARTICIPATION: – Since this is an online asynchronous course, there are no expected participation other than your assigned academic tasks. However, there is an online Lulima quiz due the first week of class to verify online presence and initial engagement with the LMS.

QUIZZES: 100 points total – Quizzes are held online via Lulima’s Test & Quizzes tab and can be taken at any time before the due date. Quizzes can only be taken once so do not start the quiz until you are ready. **All quizzes must have an accompanying recording link to verify academic honesty. Submitted quizzes with no link will not be eligible for points.**

Each quiz is worth 20 points. Quizzes will be graded and returned the next class, after which students are able to re-answer incorrect questions. Previously incorrect answers that were corrected will receive 1/3rd point rounded down. Second submission of quiz will be due the week after it is returned. No late submissions will be accepted.

EXAM REVIEWS: 40 points total – Students are expected to complete reviews prior to each exam. Each review is worth 10 points. Each student will write 10 questions with the correct answers from the chapters for the upcoming exam and upload it onto the designated Google Drive (link can be found in Lulima assignment page.) No late submissions will be accepted.

ASSIGNMENTS: 20 points total - There will one assignment on the Avian and Amphibians/Reptiles chapters to complete via Lulima. No late submissions will be accepted.

EXAMINATIONS: 280 points total – There are four exams throughout the semester with the following point totals: 40, 60, 80, 100. **You must score at least a 70% on the final exam to pass the course. See below for more information.**

RECORDING: All quizzes and exams must have an accompanying Loom link to verify academic honesty. Submitted quizzes with no Loom link will not be eligible for points. You must sign up for a Loom Education Account prior to taking any quizzes. Alternatively, you may use a recording program like Zoom instead. However, this will typically create large files that may be difficult to share digitally.

Points	Grade
396-440	A
352-395	B
308-351	C
264- 307	D (Considered no credit)
<263	F (Considered no credit)

ASSIGNMENT POLICIES and NOTICES

1. **Late Submissions** - If you miss an assignment due to a **serious illness or legitimate emergency**, you **must** contact the instructor within **24 hours** to discuss making up assignments. Failure to do so will result in no make-up submissions. You may need to provide documentation for evidence of emergency or illness.
2. **Wrong File Submission Policy** - It is the student's responsibility to ensure that the correct file and format was uploaded. The file must also be working and eligible. Submissions of wrong files will be categorized as a late assignment.
3. **Spelling** – Due to the importance of spelling in a medical setting, any spelling error may be marked as incorrect. This is especially true for critical terminologies.
4. **Google Drive** – Google Drive is used in this course to organize files and make them accessible. Your UH email must be used to access all files; all requests from non-UH emails will be ignored.
5. **Recording Software** - All quizzes and exams must be recorded with a recording software for an eligible grade. You may use either Loom Education or Zoom.
 - If using Loom:** Create a Loom account before applying for the Loom Education account. <https://www.loom.com/education>
 - If using Zoom:** Be sure you have a Zoom account and the app downloaded. You do not need a special membership, although this option will require far more storage space. See the tutorial attached for more details.
6. **Final Exam Score** – You must receive a 70% or higher on the final exam in order to pass the entire course. If you receive less than 70% on the final exam, your course grade will default to your final exam grade. (example: if you have a C grade but scored a 55% on the final, your final grade will drop to an F by default)

LEARNING RESOURCES

1. Colville, T. and J.M. Bassert. *Clinical Anatomy and Physiology for Veterinary Technicians*, 4th ed. ISBN: 9780323793414
2. Colville, T. and J.M. Bassert. 2023. *Clinical Anatomy & Physiology Lab Manual for Veterinary Technicians*. Elsevier. 4th Ed. Elsevier. ISBN: 9780323793421 (**Needed for lab but usually purchased together**)

DISABILITIES ACCOMMODATIONS

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to fully participate in this class, you are encouraged to contact the Accessibility Counselor to discuss reasonable accommodations that will help you succeed in this class. Roy Inouye can be reached at (808) 235-7448, royinouy@hawaii.edu, or you may stop by Hale Kāko‘o 106 for more information.

SEX DISCRIMINATION AND GENDER-BASED VIOLENCE RESOURCES (TITLE IX)

Windward Community College is committed to providing a learning, working, and living environment that promotes personal integrity, civility, and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking.

If you or someone you know is experiencing any of these, WCC has staff and resources to support and assist you. To report an incident of sex discrimination or gender-based violence, as well as receive information and support, please contact one of the following:

Leslie Cabingabang, UH System Confidential Advocate
 Phone/Text: (808) 348-0432 or (808) 341-4952
 Email: advocate@hawaii.edu
 Office: Hale Kāko‘o 107 (Wednesdays)

Mykie E. Menor Ozoa-Aglugub, J.D., Title IX Coordinator
 Phone: (808) 235-7468
 Email: mozoa@hawaii.edu
 Office: Hale Kāko‘o 109

Desrae Kahale, Mental Health Counselor & Confidential Resource
 Phone: (808) 235-7393
 Email: dkahale3@hawaii.edu
 Office: Hale Kāko‘o 101

As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator. Although the Title IX Coordinator and I cannot guarantee confidentiality, you will still have options about how your case will be handled. My goal is to make sure you are aware of the range of options available to you and have access to the resources and support you need.

For more information regarding sex discrimination and gender-based violence, the University’s Title IX resources and the University’s Policy, Interim EP 1.204, go to manoa.hawaii.edu/titleix/

ACADEMIC INTEGRITY

Refer to Vet Tech Student Handbook for all policies regarding academic dishonesty. Actions that are involved within this policy include but are not limited to:

- Sharing answers on assignments that are not considered group assignments.
- Informing classmates of quiz and exam content.
- Viewing other classmates’ papers or talking during quizzes and exams.
- Using any form of unapproved notes during a quiz or exam (paper notes, phone, smartwatch, laptop, etc.)

Please note that all suspected actions will be immediately investigated for legitimacy. This may mean receiving a zero on suspected assignments, discussion with the program director and academic affairs, and scrutinization of assignment content until all parties are proven uninvolved.

ALTERNATE CONTACT INFORMATION

If you are unable to contact the instructor, have questions that your instructor cannot answer, or for any other issues, please contact the Academic Affairs Office:

- Location: Alaka'i 121
- Phone: (808) 235-7422

Week	Date	Module Contents	Assignments 6
1	8/26	Course Intro, Directional Terminology, Chemical Basis for Life	9/1 Sun: Required Laulima Quiz
2	9/2	Cell Anatomy and Physiology	9/8 Sun: Quiz 1 (Directional Terminology, Chemical Basis for Life)
3	9/9	Tissues, Integument	9/15 Sun: Quiz 1 Corrections 9/15 Sun: Exam 1 Review Questions
4	9/16	Exam 1	9/22 Sun: Exam 1
5	9/23	Skeletal System	
6	9/30	Muscular System	10/6 Sun: Quiz 2 (Axial and Appendicular Skeleton)
7	10/7	Nervous System	10/13 Sun: Quiz 2 Corrections
8	10/14	Endocrine System	10/20 Sun: Quiz 3 (Muscular System, Major Muscles, Nervous System) 10/20 Sun: Exam 2 Review Questions
9	10/21	Exam 2	10/27 Sun: Quiz 3 Corrections 10/27 Sun: Exam 2
10	10/28	Hematology, Lymph, Immunity and Defense	
11	11/4	Cardiovascular System	11/10 Sun: Quiz 4 (Hematology, Lymph, Immunity, and Defense)
12	11/11	Respiratory System, Digestive System	11/17 Sun: Quiz 4 Corrections 11/17 Sun: Quiz 5 (Cardiovascular System)
13	11/18	Nutrients and Metabolism, Urinary System	11/24 Sun: Quiz 5 Corrections 11/24 Sun: Exam 3 Review Questions
14	11/25	Exam 3	12/1 Sun: Exam 3
15	12/2	Reproductive System	
16	12/9	Pregnancy and Development	12/15 Sun: Exam 4 Review Questions

			12/15 Sun: Chap 21-22 Worksheet
17	12/16- 12/20	Exam 4	12/19 THURSDAY: Exam 3

4

Last day to drop without a 'W' – September 17

Last day to drop with a 'W' – November 4