



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

ANSC 142: Anatomy and Physiology of Domestic Animals

3 Credits (CRN: 64008, 64026)

64008: MW 9:00-10:15am

64026: MW 10:30-11:45am

INSTRUCTOR: Matthew Tsuda

OFFICE: Hale Imiloa 104

OFFICE HOURS: T 9:00-10:00am

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

ATTENDANCE/PARTICIPATION: – Please refer to the attendance policy outlined within the Veterinary Technology Student Handbook for full details.

Attendance is expected for every class and will be documented prior to the start of lecture. Any unexcused absences may be subjected to a loss of 10 points from your overall score for each instance. Any absences must be communicated with your lecturer prior to or on the day of the absence. Any absences may not be considered excused without documentation. Arriving more than 10 minutes late may be considered an absence. **Overall, prompt communication is essential for working out plans for making up assignments, activities, and lectures.**

QUIZZES: 100 points total – A total of five quizzes must be taken at the Testing Center. You may take these quizzes early so long as they are taken before the due date. You are responsible for creating an appointment with the Testing Center before each quiz is due.

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.**

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

CLASS POLICIES

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. **Testing Center Quizzes** – All lecture quizzes must be taken at the Windward Testing Center by the due date and by 4:00pm. It is recommended to make an appointment online to ensure that you complete the quiz on time. Quizzes are closed after the due date.
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. **Use of Phones, Laptops, and other Devices:** Use of the mentioned devices is allowed only for studying and access on course resources. You will be instructed to put these away if they are a distraction to yourself or others as you must always be attentive due to the samples and tools we may be working with.
5. **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.
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	Topic 1 (Monday)	Date	Topic 2 (Wednesday)	Assignments
1	8/26	Course Intro, Directional Terminology	8/28	Chemical Basis for Life	9/1 Sun: Required Laulima Quiz
2	9/2	Labor Day	9/4	Cell Anatomy and Physiology	9/4 Wed: Quiz 1 (Directional Terminology, Chemical Basis for Life)
3	9/9	Tissues part 1	9/11	Tissues part 2 Integument	9/11 Wed: Exam 1 Review Questions
4	9/16	Review	9/18	Exam 1	9/16 Mon: Quiz 1 Corrections 9/18 Wed: Exam 1
5	9/23	Axial Skeletal System	9/25	Appendicular Skeletal System	
6	9/30	Muscular System	10/2	Major Muscles	10/2 Wed: Quiz 2 (Axial and Appendicular Skeleton)
7	10/7	Nervous System	10/9	Sensory Organs part 1	
8	10/14	Sensory Organs part 2	10/16	Endocrine System	10/14 Mon: Quiz 2 Corrections 10/16 Wed: Quiz 3 (Muscular System, Major Muscles, Nervous System) 10/16 Wed: Exam 2 Review Questions
9	10/21	Review	10/23	Exam 2	10/23 Wed: Exam 2
10	10/28	Hematology	10/30	Lymph, Immunity and Defense	10/28 Mon: Quiz 3 Corrections
11	11/4	Cardiovascular System part 1	11/6	Cardiovascular System part 2	11/6 Wed: Quiz 4 (Hematology, Lymph, Immunity, and Defense)
12	11/11	Veterans Day	11/13	Respiratory System Digestive System	11/13 Wed: Quiz 5 (Cardiovascular System)
13	11/18	Nutrients and Metabolism	11/20	Review	11/20 Wed: Quiz 4 Corrections 11/20 Wed: Exam 3 Review Questions
14	11/25	Exam 3	11/27	Urinary System	11/25 Mon: Quiz 5 Corrections 11/25 Mon: Exam 3
15	12/2	Reproductive System part 1	12/4	Reproductive System part 2	
16	12/9	Pregnancy and Development	12/11	Review	12/9 Mon: Exam 4 Review Questions

					12/11 Wed: Chap 21-22 Worksheet
17	12/16- 12/20	Finals Week Date TBD: Exam 4			

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

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