



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

ANSC 142: Anatomy and Physiology of Domestic Animals

3 Credits (CRN: 61013, 61034)

61013: MW 9:00-10:15am

61014: MW 10:30-11:45am

INSTRUCTOR: Matthew Tsuda

OFFICE: Hale Imiloa 104

OFFICE HOURS: M 1:00-2:00pm

TELEPHONE: 808-343-7507 **EMAIL:** mtttsuda@hawaii.edu

EFFECTIVE DATE: Fall 2023

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 online throughout the semester
4. Complete 4 examinations

ASSESSMENT TASKS AND GRADING

ATTENDANCE/PARTICIPATION: 20 points total – 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 will be subjected to a loss of 10 points. Any absences must be communicated with your lecturer prior or on the day of the absence. Any and all absences will not be considered excused without documentation. Arriving more than 10 minutes late may be considered an absence.

QUIZZES: 80 points total – A total of four quizzes will be held at the beginning of class. Each quiz is worth 20 points. Quizzes will be graded and returned, after which students are able to re-answer incorrect questions. Previously incorrect answers that were corrected will receive half points. 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 post it to Laulima under the designated assignment page. No late submissions will be accepted.

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

EXAMINATIONS: 300 points total – Exams are as follows: Exam 1-40 points, Exam 2-60 points, Exam 3-100 points, Exam 4 (final and cumulative)-100 points.

LEARNING RESOURCES

1. Colville, T. and J.M. Bassett. *Clinical Anatomy and Physiology for Veterinary Technicians*, 4th ed. ISBN: 9780323793414

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, royinouye@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:

Jojo Miller, Confidential Advocate

Phone: (808) 348-0663

Email: advocate@hawaii.edu

Office: Hale Kāko‘o 110

Desrae Kahale, Mental Health Counselor & Confidential Resource

Phone: (808) 235-7393

Email: dkahale3@hawaii.edu

Office: Hale Kāko‘o 101

Karen Cho, Deputy Title IX Coordinator

Phone: (808) 235-7404

Email: kcho@hawaii.edu

Office: Hale ‘Alaka‘i 120

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/

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)	Assignments4
1	8/21	Course Intro, Directional Terminology	8/23	Chemical Basis for Life	8/27 Sun: Required Laulima Quiz
2	8/28	Cell Anatomy and Physiology	8/30	Tissues part 1	
3	9/4	Labor Day	9/6	Tissues part 2 Integument	9/6 Wed: Exam 1 Review Questions 9/6 Wed: Quiz 1
4	9/11	Review	9/13	Exam 1	
5	9/18	Axial Skeletal System	9/20	Appendicular Skeletal System	
6	9/25	Muscular System	9/27	Major Muscles	9/25 Mon: Quiz 2
7	10/2	Nervous System	10/4	Sensory Organs part 1	
8	10/9	Sensory Organs part 2	10/11	Endocrine System	10/9 Mon: Quiz 3 10/11 Wed: Exam 2 Review Questions
9	10/16	Review	10/18	Exam 2	
10	10/23	Hematology	10/25	Lymph, Immunity and Defense	
11	10/30	Cardiovascular System part 1	11/1	Cardiovascular System part 2	
12	11/6	Respiratory System	11/8	Digestive System	11/6 Mon: Quiz 4
13	11/13	Nutrients and Metabolism	11/15	Urinary System	11/15 Wed: Exam 3 Review Questions
14	11/20	Review	11/22	Exam 3	
15	11/27	Reproductive System part 1	12/29	Reproductive System part 2	
16	12/4	Pregnancy and Development	12/6	Review	12/4 Mon: Exam 4 Review Questions 12/6 Wed: Chap 21-22 Worksheet
17	12/11-12/12	Finals Week			