



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

ANSC 142: Anatomy and Physiology of Domestic Animals

3 Credits (CRN: 63013, 63040)

63013: T/R 11:30-12:45pm

63040: T/R 1:00-2:15pm

INSTRUCTOR: Matthew Tsuda
OFFICE: Hale Kako'o 121
OFFICE HOURS: Mon 1:00 – 2:00pm
TELEPHONE: 808- 343-7507 **EMAIL:** mtsuda@hawaii.edu
EFFECTIVE DATE: Fall 2022

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: 40 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 20 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: 100 points total – A total of five quizzes will 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 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.

CAMPUSWIRE: N/A – CampusWire will be used for course communications, discussions, and questions. Various important information will also be posted onto CampusWire including exam access codes, course reminders, and relevant changes within the semester. It is the student's responsibility to check CampusWire daily for all new posts and messages.

Late assignments policy: *Late submissions are not accepted. If an assignment was missed due to an unforeseen emergency, communication must be established with your instructor within 48 hours and documentation must be provided.*

Unless previously consulted with by your instructor, uploaded files with edits made after the due date will not be accepted.

Wrong file submission policy: *It is the student's responsibility to ensure that the correct file was uploaded. Submissions of wrong files will be categorized as a late assignment.*

Corrupted file submission policy: *It is the student's responsibility to ensure that a working file was uploaded. Submissions of corrupted files will be categorized as a late assignment.*

LEARNING RESOURCES

1. Colville, T. and J.M. Bassert. *Clinical Anatomy and Physiology for Veterinary Technicians*, 3rd ed. ISBN: 978-0323227933

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:

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

Karla K. Silva-Park, Title IX Coordinator
 Phone: (808) 235-7468
 Email: karlas@hawaii.edu
 Office: Hale ‘Ākoakoa 220

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

Loom

All online 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.

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 (Tuesday)	Date	Topic 2 (Thursday)	Assignments ⁵
1	8/23	Course Intro, Directional Terminology	8/25	Chemical Basis for Life	
2	8/30	Cell Anatomy and Physiology	9/1	Tissues part 1	
3	9/6	Tissues part 2	9/8	Integument	Tues: Quiz 1, Exam 1 Review Questions
4	9/13	Exam 1	9/15	Axial Skeletal System	Tues: Quiz 1 corrections
5	9/20	Appendicular Skeletal System	9/22	Muscular System	
6	9/27	Major Muscles	9/29	Nervous System	Thur: Quiz 2
7	10/4	Sensory Organs part 1	10/6	Sensory Organs part 2	Thur: Quiz 2 Corrections, Exam 2 Review Questions
8	10/11	Endocrine System	10/13	Exam 2	Tues: Quiz 3
9	10/18	Hematology	10/20	Lymph, Immunity and Defense	Tues: Quiz 3 corrections
10	10/25	Cardiovascular System part 1	10/27	Cardiovascular System part 2	
11	11/1	Respiratory System	11/3	Digestive System	Tues: Quiz 4
12	11/8	Election Day	11/10	Nutrients and Metabolism	Thur: Quiz 4 corrections, Exam 3 Review Questions
13	11/15	Urinary System	11/17	Exam 3	Tues: Quiz 5
14	11/22	Reproductive System part 1	11/24*	Thanksgiving	Tues: Quiz 5 Corrections
15	11/29	Reproductive System part 2	12/1	Pregnancy and Development	Tues: Chap 21-22 Worksheet
16	12/6	Case Studies	12/8	Review	Tues: Exam 4 Review Questions
17	TBA	Exam 4			