



UNIVERSITY of HAWAII®  
**WINDWARD**  
COMMUNITY COLLEGE

## **ANSC 142: Anatomy and Physiology of Domestic Animals**

Credits: 3

CRN 60017: MW 11:30-12:45p

CRN 60052: MW 1:00-2:15p

**INSTRUCTOR:** Matthew Tsuda

**OFFICE:** Hale Imiloa 121

**OFFICE HOURS:** T 10:00-11:00a

**TELEPHONE:** 808-343-7507

**EMAIL:** mtsuda@hawaii.edu

**EFFECTIVE DATE:** Fall 2021

### **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.

### **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, on time
2. Complete assigned readings prior to the lectures
3. Participate in class activities

## ASSESSMENT TASKS AND GRADING

**ATTENDANCE:** Please refer to the attendance policy outlined within the Veterinary Technology Student Handbook for full details regarding AVMA-required skills.

Attendance is expected for every lecture and will be recorded upon the start of every class. Any unexcused absences will be subjected to a loss of 15 participation points. Unavoidable absences must be communicated with your instructor before or on the same day of your absence. An absence will not be considered excused without proper documentation. **Late attendance during an online lecture must be confirmed by privately informing your instructor of your arrival (via private chat.) No communication or an attendance of later than 10 minutes will be considered an unexcused absence.**

**QUIZZES:** 100 points total – Quizzes are held online and can be taken at any time before the due date. Each quiz is worth 10 points. No late submissions will be accepted. **All quizzes must have an accompanying Loom link to verify academic honesty. Submitted quizzes with no Loom link will not be eligible for points. Details to be discussed in class.**

**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 Canvas under resources. Further instructions will be explained in class. No late submissions will be accepted.

**ASSIGNMENTS:** 80 points total - There will one assignment on the Avian and Amphibians/Reptiles chapters and 3 worksheets to complete. Each assignment is worth 20 points.

**CLASS PARTICIPATION:** 30 points total – Each student is expected to participate in in-class discussions and group work, including exam review sessions. These points can be decreased based on attendance (see above.)

**EXAMINATIONS:** 300 points total – Exams are as follows: Exam 1-40 points, Exam 2-60 points, Exam 3-100 points, Exam 4 (final)-100 points. Each exam is cumulative; all material is testable after it is covered. **Exams will be conducted on-campus via a reserved location.**

**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 24 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*, 3<sup>rd</sup> ed. ISBN: 978-0323227933
2. Colville, T. and J.M. Bassert. *Laboratory Manual for Clinical Anatomy and Physiology for Veterinary Technicians*, 3<sup>rd</sup> ed. ISBN: 978-0323294751

## ADDITIONAL INFORMATION

MySuccess: Students may be referred for extra help or advising through MySuccess. Students can also explore resources at MySuccess.Hawaii.edu and [windward.hawaii.edu/MySuccess](http://windward.hawaii.edu/MySuccess)

## 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](mailto: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:

Madoka (Doka) Kumagai, Confidential Advocate  
 Phone: (808) 348-0663 (cellular)  
 Phone: (808) 956-6084 (office)  
 Email: [kumagaim@hawaii.edu](mailto:kumagaim@hawaii.edu)

Desrae Kahale, Mental Health Counselor & Confidential Resource  
 Phone: (808) 235-7393

Email: [dkahale3@hawaii.edu](mailto:dkahale3@hawaii.edu)  
Office: Hale Kāko‘o 101

Karla K. Silva-Park, Title IX Coordinator  
Phone: (808) 235-7468  
Email: [karlas@hawaii.edu](mailto: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/](http://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

<b>Week</b>	<b>Monday</b>	<b>Chapter</b>	<b>Wednesday</b>	<b>Chapter</b>
<b>1</b>	8/23 Course Intro, Anatomical Terminology	1	8/25 Chemical Basis for Life	2
<b>2</b>	8/30 Cell Anatomy and Physiology	3-4	9/1 Tissues	5
<b>3</b>	9/6 <b>Labor Day</b>	N/A	9/8 Integumentary System	6
<b>4</b>	9/13 Review	N/A	9/15 Exam 1	N/A
<b>5</b>	9/20 Skeletal System	7	9/22 Skeletal System	7
<b>6</b>	9/27 Muscular System	8	9/29 Major Muscles	8
<b>7</b>	10/4 Nervous System	9	10/6 Sensory Organs	10
<b>8</b>	10/11 Sensory/Endocrine System	10-11	10/13 Endocrine system	11
<b>9</b>	10/18 Review	N/A	10/20 Exam 2	N/A
<b>10</b>	10/25 Hematology	12	10/27 Lymph and Immunity	12-13
<b>11</b>	11/1 Cardiovascular System	14	11/3 Cardiovascular System	14
<b>12</b>	11/8 Respiratory System	15	11/10 Digestive System	16
<b>13</b>	11/15 Review	N/A	11/17 Exam 3	N/A
<b>14</b>	11/22 Nutrients/Metabolism	17	11/24 Urinary System	18
<b>15</b>	11/29 Reproductive System	19	12/1 Reproductive System	19, 21-22
<b>16</b>	12/6 Pregnancy and Lactation	20	12/8 Review	N/A
<b>Finals</b>	<b>TBA</b>			