



UNIVERSITY of HAWAII®  
**WINDWARD**  
COMMUNITY COLLEGE

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

1 Credit (CRN: 64264)

See Fast-Track Lab Schedule

**INSTRUCTOR:** Matthew Tsuda  
**OFFICE:** Hale Imiloa 104  
**OFFICE HOURS:** T 12:00-1:00pm  
**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**

Laboratory to accompany ANSC 142. This course is designed to acquaint the student with the body systems of common domestic species (e.g., cats, dogs, horses and birds) through dissections, examinations of models, laboratory exercises, and other hands-on activities. This course is intended for students entering veterinary technology, veterinary assisting or other animal-related fields (3 hrs. lab).

Prerequisite: Credit for or registration in ANSC 142 or equivalent preparation or consent of instructor.

### **STUDENT LEARNING OUTCOMES**

Upon successful completion of ANSC 142L, the student should be able to:

1. Identify and describe the anatomy of the major body systems for cats, dogs and horses using prepared slides, skeletons, models and dissections.
2. Use standard anatomical terms to describe body directions, regions and sectioning planes.
3. Identify major anatomical landmarks used to assess patient health during physical exams.
4. Demonstrate proficiency at the use of the microscope as a clinical instrument.

## COURSE TASKS

1. Attend class at scheduled times
2. Participate in lab activities with notebook prepared.
3. Complete 8 quizzes.
4. Complete two practicums.

## ASSESSMENT TASKS AND GRADING

**ATTENDANCE/PARTICIPATION:** Please refer to the attendance policy outlined within the Veterinary Technology Student Handbook for full details. Attendance will be verified during fast-track labs.

**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 10 points; two quizzes are worth 20 points. There are eight quizzes in total.

**LAB PRACTICUMS:** 150 points total; 50 mid-term, 100 final – Two lab practicums are held throughout the semester. The final practicum is cumulative.

**LAB NOTEBOOK:** 30 points total – The lab notebook will be collected at the beginning of both practicums. The lab notebook must be completed up to each designated page upon each submission. Both submissions are worth 15 points.

**LAB ASSIGNMENTS:** 50 points (6 assignments total) – Lab assignments are completed in the lab manual textbook. Details on lab assignments and pages can be found within the corresponding assignment page on Lulima.

**QUIZ RECORDINGS:** All quizzes and exams must have an accompanying Loom or Zoom 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
297-330	A
264-296	B
231-263	C
198-230	D (Considered no credit)
<197	F (Considered no credit)

## CLASS POLICIES

1. **Late Assignments** - 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. You may need to provide documentation for evidence of emergency or illness.
2. **QUIZ RECORDINGS**: All quizzes and exams must have an accompanying Loom or Zoom link to verify academic honesty. Submitted quizzes with no video 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.
3. **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.
4. **Lab Dress Code**: Students are required to observe all dress code policies (see VETA handbook for full details.) Repeated instances will be issued demerits.
  - a. **On days with no dissections**: Close-toed shoes with no holes, long pants with no holes, long hair tied back. Visible jewelry like piercings and nail polish are not allowed. Wear your school scrubs if you have been issued one.
  - b. **On days with dissections**: All previous dress code rules including a long-sleeved white lab coat (must be purchased on own.)
5. **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.
6. **Cleaning Duties**: Labs days with biological sample usage will have cleaning duties assigned to two students per day during fast-track labs.
7. **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.
8. **Photography**: Photographs of models and/or specimens are allowed for personal studying purposes only. Posting any images of biological samples on social media or online chatrooms, even from preserved specimens, will lead to a possible dismissal from the program.
9. **Demerit System**: Please see the Student Handbook for more information on our demerit system. The following instances may result in use of the program's demerit system:
  - Improper and careless handling of biological specimens.
  - Not cleaning your own dissection tools and trays.
  - Not cleaning your table before leaving.
  - Repeated instances of showing up to lab in improper dress code. You should not be reminded to remove your jewelry and doing so will add demerit points.
  - Any other condition stated within the Student Handbook.

## LEARNING RESOURCES

1. Colville, T. and J.M. Bassert. *Clinical Anatomy and Physiology for Veterinary Technicians*, 4<sup>th</sup> 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
3. Summa, Meleana & Tsuda, Matthew, 2024. *142L Lab Notebook Fall 2024*.

## 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:

Jojo Miller, Confidential Advocate  
 Leslie Cabingabang, UH System Confidential Advocate  
 Phone/Text: (808) 348-0432 or (808) 341-4952  
 Email: [advocate@hawaii.edu](mailto: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](mailto:mozoa@hawaii.edu)  
 Office: Hale Kāko‘o 109

Desrae Kahale, Mental Health Counselor & Confidential Resource  
 Phone: (808) 235-7393  
 Email: [dkahale3@hawaii.edu](mailto: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/](http://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

W	Date	Module Contents	Assignments
1	8/26	Regional/Directional Terminology, Mitosis	
2	9/2	Tissues	<b>9/8 Sun:</b> Quiz 1 - (Regional/Directional Terminology) <b>9/8 Sun:</b> Chap 1 Exercises
3	9/9	Integument	<b>9/15 Sun:</b> Chap 4 Exercises
4	9/16	Axial Skeletal System	<b>9/22 Sun:</b> Quiz 2 - (Tissues)
5	9/23	Appendicular Skeletal System	<b>9/29 Sun:</b> Quiz 3 - (Axial Skeleton) <b>9/29 Sun:</b> Chap 6 Exercises
6	9/30	Muscular System	<b>9/6 Sun:</b> Quiz 4 - (Appendicular Skeleton)
7	10/7	Muscular System	
8	10/14	Nervous System	<b>10/20 Sun:</b> Quiz 5 - (Muscles)
9	10/21	Practicum Module	Practicum 1 Lab Notebook 1
10	10/28	Abdominal Organs	<b>11/3 Sun:</b> Quiz 6 - (Nervous System)
11	11/4	Cardiovascular System	<b>11/10 Sun:</b> Quiz 7 - (Abdominal Organs) <b>11/10 Sun:</b> Chap 9 Exercises
12	11/11	Respiratory System	<b>11/17 Sun:</b> Quiz 8 - (Cardiovascular System) <b>11/17 Sun:</b> Chap 12 Exercises
13	11/18	Digestive System	
14	11/25	Urinary System; Review Module	<b>12/1 Sun:</b> Chap 14 Exercises
15	12/2	Practicum Module ( <i>Last Module</i> )	Practicum 2 Lab Notebook 2

Fast-Track Labs Schedule	
Date	Topics
9/19	Intro, Directional Terminology, Mitosis
*9/20	Skeletal System (All), Integumentary
9/21	Skeletal System (All), Tissues
10/24	Skeletal System, Muscular System
*10/25	Review Nervous System, Abdominal Organs, Dissections
10/26	Dissections, Practicum 1
12/5	Cardiovascular System, Respiratory System, Dissections
*12/6	Digestive System, Urinary System, Dissections
12/7	Review, Practicum 2

\*Shared lab with Oahu Hybrid counterparts