



UNIVERSITY of HAWAII®  
**WINDWARD**  
COMMUNITY COLLEGE

## **ANSC 252L, Diagnostic Imaging for Veterinary Technicians Lab**

Credits: 1 (CRN 62060; 62062)

Tuesday or Wednesday: 10:00-3:00pm

**INSTRUCTOR:** Matthew Tsuda

**OFFICE:** Hale Imiloa 123

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

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

**EFFECTIVE DATE:** Spring 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**

This lab trains students to safely and effectively use x-ray technology to obtain diagnostic radiographs of the skeletal- and soft anatomy of companion animals.

### **STUDENT LEARNING OUTCOMES**

As a result of taking this course, students can expect to attain the following outcomes:

1. Utilize radiographic equipment to expose and develop radiographic films in order to create diagnostic radiographic images.
2. Properly label and file radiographic films and complete radiographic logs and reports.
3. Utilize radiographic contrast agents to produce diagnostic images of urinary and GI organs.
4. Perform radiographic techniques utilized in screening for canine hip dysplasia.
5. Demonstrate proper maintenance and troubleshooting of radiographic equipment.
6. Position companion animals safely and humanely for radiographic studies.

### **COURSE TASKS**

- |  |                                 |
|--|---------------------------------|
| - Attend lab at scheduled times            | - Complete 5 quizzes            |
| - Complete assigned readings prior to labs | - Complete 1 class presentation |
| - Participate in lab activities            | - Complete 1 practicum          |

## ASSESSMENT TASKS AND GRADING

### ATTENDANCE: 20 points

Attendance will be taken at the beginning of each class period. Both tardiness and early departure from class are considered forms of absenteeism. Please refer to the student handbook for attendance policies.

### LAB NOTEBOOK: 30 points

The lab notebook must be completely filled and submitted by the due date.

### QUIZZES: 50 points total

Quizzes will be held in the beginning of lab.

### PORTFOLIO PRESENTATION: 50 points total

Students will create a portfolio of at least 5 radiographic images from their collection of radiographs and describe the good and not-so-good parts of the image, and what could be done to improve the image. To be discussed in class.

### ACT/IDEXX VIDEOS: 50 points total

Students will be assigned a series of training videos from the ACT and IDEXX training website. Submissions for proof of viewing are required for full points. **You will need an account with both ACT and IDEXX to view these videos.**

GRADE	POINTS
A	270 - 300
B	240 - 269
C	210 - 239
D	180 - 209
F	<180

### PRACTICUM: 100 points

The final practicum is worth 100 points.

## LEARNING RESOURCES

1. Lavin's Radiography for Veterinary Technicians, 7<sup>th</sup> Edition by Marg Brown and Lois Brown ISBN-13: 978-0323413671 (Elsevier)
2. 252L Notebook 2022 – Matthew Tsuda

## 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](https://windward.hawaii.edu/MySuccess)

Ka Piko is WCC's academic support hub. Please visit: <https://windward.hawaii.edu/kapiko/>

TRiO student support services: [https://windward.hawaii.edu/TRIO/Student\\_Support\\_Services.php](https://windward.hawaii.edu/TRIO/Student_Support_Services.php)

## 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](mailto: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](mailto:advocate@hawaii.edu)

Office: Hale Kāko‘o 110

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/)

## ACADEMIC INTEGRITY

Work submitted by a student must be the student’s own work. The work of others should be explicitly marked, such as through use of quotes or summarizing with reference to the original author.

In this class, students who commit academic dishonesty, cheating or plagiarism will have the following consequence(s): Students will receive a failing grade for plagiarized assignments.

All cases of academic dishonesty are referred to the Vice Chancellor for Student Affairs.

## 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	Primary Topic	Secondary Topic	Due
1	T – 5/24 W – 5/25	Radiology Introduction, Safety, and Settings.	None	
2	T – 5/31 W – 6/1	Abdominal/Thorax	Measuring	Training Videos 1
3	T – 6/7 W – 6/8	Forelimb	Contrast and Exposure	Quiz 1 Training Videos 2
4	T – 6/14 W – 6/15	Pelvic Limbs/PennHIP	Portable Radiology	Quiz 2 Training Videos 3
5	T – 6/21 W – 6/22	Specialty - Dental	Skills Practice	Training Videos 4
6	T – 6/28 W – 6/29	Spine and Skull	Portable Radiology	Quiz 3
7	T – 7/5 W – 7/6	Specialty - Barium	Ultrasonography	
8	T – 7/12 W – 7/13	Large Animal/Exotics	Skills Practice	Quiz 4 Training Videos 5
9	T – 7/19 W – 7/20	Portfolio Presentation	Skills Practice	Quiz 5 Portfolio Presentation
10	T – 7/25 W – 7/26	Final Practicum	None	Lab Notebook