

ANSC 252
CRN: 60075 or 60076
Diagnostic Imaging for Veterinary Technicians

Wednesday: 10:00-4:15

Or

Friday 10:00-4:15

INSTRUCTOR:	Sam Geiling, RVT
OFFICE:	Hale Kako'o 128
OFFICE HOURS:	Tue: 12:00-1:00
TELEPHONE:	808-271-7883 or 236-9107
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EFFECTIVE DATE:	Summer, 2017

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 O'ahu's Ko'olau region 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. (3 hours laboratory)

Pre-Requisite(s): Admission into the Veterinary Technology program. Students enrolling in ANSC 252 are required to show proof of current health insurance and sign a liability waiver. *Co-Requisite(s):* Concurrent enrollment in ANSC 252.

STUDENT LEARNING OUTCOMES

Upon successful completion of ANSC 252, the student should be able to:

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

COURSE TASKS

- 1) Participate in lab
- 2) Complete assigned readings prior to lab
- 3) Complete assignment and lab notebook
- 4) Participate in final practicum

ASSESSMENT TASKS AND GRADING

QUIZZES (75 points total-15 points for each quiz). The student will take quizzes at the beginning of each lab to demonstrate knowledge and understanding of information presented in the lectures, lab activities, and text readings.

CLASS PARTICIPATION & CONDUCT (40 points): Attendance and participation lab activities are mandatory. Students who come unprepared to participate or are not in proper uniform may be asked to leave class and will be considered absent. If you miss a quiz or laboratory because of an illness or legitimate emergency, you must contact the instructor **within 48 hours** to arrange a time to take a quiz. The instructor may request that the student present evidence of the illness or emergency that caused the student to miss the lab. **Students who behave in a reckless, inhumane, or unsafe manner will receive an “F” grade and be barred from attending future classes.**

LAB NOTEBOOK: (60 points): Students are expected to come to lab with the anatomy we are covering that day COMPLETED in the lab notebook. This will ensure that students are prepared to safely and effectively position live animals that lab period.

ASSIGNMENT: (75 points) Students will complete an in-class assignment, using textbooks that are available in the lab.

FINAL PRACTICUM: (50 Points) Students will end the semester with a final practicum covering all topics from the semester.

METHOD OF GRADING:		GRADING SCALE:		
		Total Points	Percentage Points	Grade
Quizzes	75 points	269-300	90-100	A
Participation	40 points	239-268	80-89	B
Notebook	60 points	209-238	70-79	C
Assignment	75 points	179-208	60-69	D
<u>Lab Practicum</u>	<u>50 points</u>	<178	0- 59	F
TOTAL	300 points			
Please note: to continue on in VETT, you must receive a C or better in both 252 and 252L				

LEARNING RESOURCES

Lavin's Radiography in Veterinary Technology. Brown, Marg and Lois, 2014; 5th ed. Saunders Elsevier Publishing. St. Louis, MO. ISBN: 978-1-4557-2280-8

Lavin, Lisa 2006. Lavin's Radiography in Veterinary Technology. 4th ed. Saunders Elsevier Publishing. St. Louis, MO. 378 pp. ISBN: 1-4160-3189-8

McCurnin's Clinical Textbook for Veterinary Technicians. Bassert, Joanna M, and McCurnin, Dennis M. 8th Edition, Saunders Elsevier, St. Louis, MO

ADDITIONAL INFORMATION

STUDENT RESPONSIBILITIES

The student is expected to attend all labs and participate in all course activities. Please be considerate to other students by turning off cell phones during class. Any changes in the course schedule, such as examination dates, deadlines, etc., will be announced ahead of time on the course website. It is the student's responsibility to be informed about deadlines critical to making registration changes (e.g., last day for making an official withdrawal).

ACADEMIC DISHONESTY

Students involved in academic dishonesty will receive an "F" grade for the course.

Academic dishonesty includes cheating on exams and plagiarism. See the course catalog and Vet Tech Student Handbook for a description of the College's policies concerning academic dishonesty.

STUDENT SAFETY

This course is a "hands-on" laboratory in which students may be exposed to a variety of potential hazards including exposure to X-Ray radiation and caustic chemicals and risk of animal bites and scratches. Students enrolled in ANSC 252 are required to show proof of current health insurance and sign a liability waiver prior to the first class. All students are required to wear appropriate clinical attire (personal dosimeter, uniform scrubs, black scrub pants, and close-toed sneakers) *to each class*. Students who are dressed inappropriately will be barred from participating in lab activities and will receive a "zero" grade for that day's class participation grade. **Because exposure to X-Ray radiation poses a significant risk to a developing embryo or fetus, this course should not be taken by students who are pregnant.** Students who become pregnant during the course may request an "N" grade from their instructor.

ACCOMMODATION FOR STUDENTS WITH DISABILITIES

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 Disability Specialist Counselor to discuss reasonable accommodations that will help you succeed in this class. Ann Lemke can be reached at 235-7448, lemke@hawaii.edu, or you may stop by Hale 'Akoakoa 213 for more information.

The notebook topics are to be completed PRIOR to the time that you have lab for that week. This semester will fly by, and staying caught up on the reading will be crucial to your success. LAB QUIZZES **WILL** INCLUDE QUESTIONS FROM THE **CURRENT** WEEK'S NOTEBOOK!

	Lecture	Lab
Week 1	<u>5/23</u> CH 1-4, 16-17 Intro, Safety, Positioning	<u>Quiz 1</u> Thorax/Abdomen
Week 2	<u>5/30 → Quiz 1</u> - CH 5 & 9 Differentiate Film from Digital	<u>Quiz 2</u> Skull, Vertebrae
Week 3	<u>6/06 → Quiz 2</u> – CH 6-8 Producing, Optimizing, Processing the Image	<u>Quiz 3</u> Forelimb
Week 4	<u>6/13 → Quiz 3</u> – CH 11-15 Other Imaging Modalities <u>McCurnin Assignment DUE</u>	<u>Quiz 4</u> Pelvis
Week 5	<u>6/20 → Quiz 4</u> – CH 25-27 Special Procedures, Equine, Avian & Exotics	<u>Quiz 5</u> Pelvic Limb <u>Lab Notebook & Assignment DUE</u>
Week 6	<u>6/27 → Final Exam</u>	Final Practicum