



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

ANSC 262/262L
CLINICAL PROCEDURES FOR LARGE ANIMALS

Lecture: Mondays @1:15 - 3:45 pm - Palanakila 102
Laboratory: Thursdays (9 am - 2:45 pm) - Imiloa 103 and off-campus sites
(CRNs 63070, 63071 & 63072)

INSTRUCTOR: Jenny Kelly, DVM
OFFICE: Hale Imiloa 136
OFFICE HOURS: By Appointment: Mondays 9 am - 10:30 am; Thursdays after in-person labs
TELEPHONE: 236-9166
EMAIL: jennyrk@hawaii.edu
EFFECTIVE DATE: Spring 2026, 01/12/26

WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

'O keia ka wā kūpono e ho'onui ai ka 'ike me ka ho'omaopopo i kō Hawai'i mau ho'oilina waiwai. Aia nō ho'i ma ke Kulanui Kaiāulu o ke Ko'olau nā papahana hou o nā 'ike 'ake akamai a me nā hana no'eau. Me ke kuleana ko'iko'i e ho'ohiki ke Kulanui e kāko'o a e ho'okumu i ala e hiki kē kōkua i ka ho'onui 'ike a nā kānaka maoli. Na mākou nō e ho'olako, kāko'o a paipai i nā Ko'olau a kō O'ahu a'e me nā hana no'eau ākea, ka ho'ona'auao 'oihana a me ka ho'onui 'ike ma ke kaiāulu— hō'a'ano a e ho'oulu i nā haumāna i ka po'okela.

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 course requires students to complete hands-on skills as outlined by the AVMA. Failure to complete any of the required hands-on skills will result in a failing grade for the course.

The student will learn hands-on techniques for animal restraint and clinical procedures. Labs will cover safety concerns of working with large animals and focus on participants becoming comfortable restraining and performing technical procedures on horses and livestock. The student will learn techniques in large animal restraint, husbandry and clinical procedures and be provided some introduction to relevant large animal diseases. Biosecurity and public health will be discussed as they apply to large animal health care and husbandry. The course is appropriate for those entering animal husbandry, veterinary assisting, veterinary technology or animal science fields (4 Cr total, 3 lecture and 1 lab).

Activities Required at Scheduled Times Other Than Class Times: Offsite laboratories will be required. Some will require special student procedures. A few will extend beyond the scheduled class time.

STUDENT LEARNING OUTCOMES

Upon successful completion of ANSC 262/ANSC 262L, the student should be able to:

- 1) Show the ability to safely and successfully restrain horses and livestock.
- 2) Perform basic husbandry and clinical procedures on large animals.
- 3) Successfully perform diagnostic sampling and imaging tasks on large animals.
- 4) Show an acceptable comfort level while working with large animal species
- 5) Discuss biosecurity and isolation procedures necessary in livestock operations.
- 6) Describe common zoonotic diseases of large animals as they apply to animal health and public safety.

COURSE CONTENT:

Concepts or Topics

The student will be exposed to and/or required to show proficiency in most of the following skills:

Equine

- Haltering
- Catching/leading/tying
- Grooming
- Twitch application and humane use (discussion)
- Flexion testing
- Bandaging
- Venipuncture
- Aseptic joint *prep*
- Mouth Speculum placement (discussion)
- Heart and lung auscultation
- Longeing (demo or discussion)
- Trotting for soundness
- P E / TPR
- Borborygmi auscultation
- Medication administration
- Location of sites for intramuscular injection
- Weight tape/height measurement
- Stud chain placement and humane use (discussion)
- Lip chain placement and humane use (discussion)
- Tail rope application
- Foal restraint (discussion)
- Catheter placement (discussion)
- Urinary catheter placement (discussion)
- Tail wrap placement
- Radiographic positioning
- Appropriate use of hoof testers (discussion)
- AV use (discussion)
- Castration techniques (discussion)

Ruminant

- Restraint of cattle & sheep/goats
PE of ruminant species
- Bovine rope halter placement
- Ruminant venipuncture
- Frick speculum placement (disc.)
- Milking/Milk sampling

- Intramuscular and Subcutaneous injections
- Ear tag/tattoo placement (disc.)
- Dehorning (disc.)
- Hoof trimming
- Castration techniques (disc.)
- Obstetrical procedures (disc.)
- Radiography (disc.)

Students may also gain experience with swine and possibly poultry, depending on availability of farms, ranches, and/or resources.

COURSE TASKS

- 1) Attend lab at scheduled times.
- 2) **Participate actively** in labs
- 3) Complete readings and assignments
- 4) Complete examinations, quizzes and practical exercises

Concepts or Topics

The student will become familiar with large animal clinical techniques including restraint, diagnostic sampling and imaging, medicating, bandaging, feeding, housing, surgical assisting and anesthesia. Some relevant large animal disease information will be covered. Students will also be given information to aid in communication with livestock producers and the maintenance of biosecurity at large animal facilities. Laboratories will allow students to be exposed to and attempt various restraint, husbandry and diagnostic sampling techniques for large animals. Class project will allow students to become familiar with relevant infectious and/or zoonotic clinical diseases in large animals and their impact on herd and public health.

ASSESSMENT TASKS AND GRADING

EXAMINATIONS: Lecture: The student will complete one midterm examination, worth 100 points, and one final (cumulative, comprehensive) examination worth 200 points.

Lab: There will be a lab practical examination worth 100 points.

There will also be quizzes on the various topics and assignments worth 200 points (lecture) and 100 points (lab). Additionally, there will be a disease presentation worth 100 points. **In addition, you must achieve a minimum of 70% on the final to pass the course (lecture and Lab) – this verifies mastery of the material.**

ATTENDANCE Lab: (100 points) Attendance to laboratories is mandatory and defined as being present in laboratory until excused by the instructor. **Missing a lab will result in an incomplete AVMA required skills list, therefore, failure of the laboratory which would jeopardize graduation from the program.** As discussed, WCC Vet Tech Program relies on outside farms and ranches to provide animals and experiences for hands-on laboratories, therefore, there are **NO MAKE UP LABS.** **Lab grades are based on assignments, quizzes, attendance & active participation – completion of the lab tasks/AVMA skills list.**

Lecture: Attendance is mandatory; Only **ONE** excused absence is permitted. Any additional absences will result in a lowered grade. You will lose points from your overall grade.

METHOD OF GRADING (lecture)

The assignment of points will be according to the following:

Exams	300 points
Assignments/quizzes	350 points
<u>Project/presentation</u>	<u>50 points</u>
TOTAL	700 points

GRADING SCALE (Lecture)

Total Points	Percentage Points	Grade
700 - 630	90-100	A
629 - 560	80-89	B
559 - 490	70-79	C
489 - 420	60-69	D
<419	0- 59	F

METHOD OF GRADING (Lab)

The assignment of points will be according to the following:

Exams	100 points
<u>Assignments/quizzes</u>	<u>80 points</u>
TOTAL	180 points

GRADING SCALE (Lab)

Total Points	Percentage Points	Grade
180-162	90-100	A
161-144	80-89	B
143-126	70-79	C
125-108	60-69	D
<108	0- 59	F

If you miss an examination because of an illness or legitimate emergency (excused absence), you must contact the instructor **within 24 hours** to arrange a time to take a make-up exam. The student must present evidence of the illness or emergency that caused the student to miss the exam. If the student misses an exam for any other reason, the student may be prohibited from taking a make-up exam, thus failing to receive any points for the missed exam. While make-up exams will cover the same content area as a missed exam, the exam format and specific questions may be different.

No retests will be given for any reason.

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.

Windward Community College follows the University of Hawai'i Code of Student Conduct which defines expected conduct for students and specifies those acts subject to University sanctions. Students should familiarize themselves with the Code of Student Conduct since, upon enrollment at Windward Community College, the student has placed herself/himself under the policies and regulations of the University and its duly constituted bodies. The disciplinary authority is exercised through the Office of the Vice Chancellor for Student Affairs. Copies of the Student Conduct Code are available at the Office of the Vice Chancellor for Student Affairs or [online](#).

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.

LEARNING RESOURCES and Other Required Items

Required Attire/PPE (For Lab Field Trips): Rubber boots (for proper disinfecting/biosecurity) and Coveralls

Textbooks: Large Animal Clinical Procedures for Veterinary Technicians, 5th ed. By Kristin Holtgrew-Bohling.

Optional: Animal Restraint for Veterinary Professionals, 2nd ed. (or 3rd) By C. C. Sheldon, et al.

Lamakū: Your instructor has created a Lamakū website to accompany this course. This website will contain lecture outlines, copies of course forms and syllabi, and links to on-line learning resources. To access, go to <https://lamaku.hawaii.edu/d2l/login>. Login using your UH username and password and click on ANSC 262/ANSC 262 Lab.

Additional Information

STUDENT RESPONSIBILITIES

The student is expected to participate actively in all laboratory activities, and complete all examinations and course assignments on time. The student must be courteous to those hosting laboratory activities and treat all animals being used for laboratories humanely and with respect. Please be considerate to instructors, animals and other students by turning off any cell phones during class. Any changes in the schedule, such as examination dates, deadlines, etc., will be announced ahead of time on Lamakū or in class. It is the student's responsibility to be informed of these changes. 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). No drugs; no drinking alcohol; and no smoking in the WCC van or on farms and stables.

HOW TO SUCCEED IN THIS CLASS

Labs are an integral part of this course and your **active** participation in them is key to your success. One of the goals of this class is for you to become comfortable working with large animals in a clinical setting. If you are an actively engaged participant in labs and take the opportunities given to learn the techniques and skills required then you will do well. More importantly you will take those

skills with you when the course is over. Please attend labs in **appropriate attire**, which includes coveralls and rubber boots. Safety is of the utmost importance when working with large animals.

If for any reason the instructor feels that it is not safe for you to participate due to your attire you will not be allowed to continue with the lab and will not be counted for attendance to that laboratory, which will compromise passing the course. If you are learning, in the manner you are supposed to, you *will* get dirty; so plan accordingly.

Special Notification Needed

Notify the instructor if you have allergies or other relevant personal health issues, if you are pregnant, if you feel that you are being asked to do something to which you object, if you witness any unsafe situations, and if you are injured during the lab class.

College Policies & Support Services

The Windward Community College's Disability Student Services Office (WCC-DSSO) is committed to providing equal access to qualified students with disabilities.

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to participate fully in this class, you are encouraged to contact the Disability Specialist Counselor, Roy Inouye, to discuss reasonable accommodations that will help you succeed in this class. The Disabilities Counselor can be reached at 808-235-7448, wccdsso@hawaii.edu, or stop by the office (Hale Kako'o 106) for more information.

TRIO PROGRAM

The Federal TRiO Programs are educational opportunity outreach programs designed to motivate and support students from disadvantaged backgrounds. TRiO includes six outreach and support programs targeted to serve and assist low-income, first-generation college students and students with disabilities in progressing through the academic pipeline from middle school to post-baccalaureate programs. Here is their contact info: <https://windward.hawaii.edu/trio/>

Basic Needs

Basic needs include food and housing, childcare, mental health, financial resources, and transportation. Student basic needs security is critical for ensuring strong academic performance, persistence and graduation, and overall student well-being. If you or someone you know is experiencing basic needs insecurity, please see the [UH System Basic Needs website](#).

Mental Health Counseling

Mental Health and Wellness at Windward Community College counseling services and activities on campus to support students' life goals as well as their academic goals. Information about services can be found at the [WCC Mental Health & Wellness website](#).

LGBTQ+

The University of Hawai'i system and Windward Community College are committed to building an inclusive community that supports and advocates for all Students, Staff, and Faculty. We welcome all members of our campus community to our campuses: transgender, māhū, and people of all gender identities. All members of our campus community deserve a work and educational environment free from harassment or bullying based on their sexual orientation, gender identity, or expression. University of Hawai'i Commission on LGBTQ+ Equality at their website:

<http://www.hawaii.edu/offices/president/lgbtq/> Windward Community College Commissioner: Scott Sutherland, scottjks@hawaii.edu

UH Alerts

The UH Alert emergency notification system alerts the university community in the event of a natural, health or civil emergency. The information you provide will only be used in the event of an emergency that impacts the health and safety of the UH community or the closure of whole campuses. It will not be shared with others or used for routine UH communications or announcements. To sign up, visit [UH Alerts website](#) for more information.

Financial Aid

If you are receiving financial aid and are contemplating not completing the course, BEFORE you withdraw, it is highly recommended that you contact the Financial Aid Office at 808-934-2712 or email them at wccfao@hawaii.edu to discuss the impact this decision may have on your financial aid eligibility.

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:

Desrae Kahale, UH System Confidential Advocate
Phone: (808) 235-7393
Email: advocate@hawaii.edu
Office: Hale Kāko'o 101

Mykie E. Menor Ozoa-Aglugub, J.D., Title IX Coordinator
Phone: (808) 235-7468
Email: mozoa@hawaii.edu
Office: Hale Kāko'o 109

Desrae Kahale, Mental Health Counselor & Confidential Resource
Phone: (808) 235-7393
Email: dkahale3@hawaii.edu
Office: Hale Kāko'o 101

Karen Cho, Deputy Title IX Coordinator
Phone: (808) 235-7404
Email: kcho@hawaii.edu
Office: Hale 'Alaka'i 120

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/

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