



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

ANSC 253 Applied Pharmacology for Veterinary Technicians

3 Credit Hours

CRN 61289

Thursdays 10-11:15 AM

INSTRUCTOR: Dr. Jessie Krause
OFFICE: Imiloa 102
OFFICE HOURS: Thursdays 11:15 AM–12:15 PM or by appointment
TELEPHONE: 808-236-9120 **EMAIL (best):** jkrause7@hawaii.edu
EFFECTIVE DATE: August 21, 2023

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 course is designed to give students a practical knowledge of drugs used in veterinary medicine. Topics include drug classification, methods of action, calculations, administration, effects and side effects. Also includes a discussion of client education, drug safety, and federal regulations governing the purchase and storage of controlled drugs. Upon successful completion, students will be able to properly calculate, dispense, and administer medications, recognize adverse reactions and maintain pharmaceutical inventory and administrative records. This course is intended for students entering veterinary technology, veterinary assisting, or other animal-related fields.

Prerequisite(s): Admission into Veterinary Technology program and a grade of “C” or better in all completed ANSC courses.

Activities Required at Scheduled Times Other than Class Times

Students will be expected to watch weekly lecture videos and read the corresponding textbook chapter prior to the next week's scheduled class meeting time. Additional work may be assigned that will need to be completed outside of the classroom.

Students will be expected to complete weekly quizzes at the Testing Center. Examinations may also be given at the Testing Center, and students will be given advanced notice if that is the case.

Testing Center Information:

- Appointments are required for Testing Center use and will need to be made at least 3 days in advance.
- Appointments can be made online by visiting the [Testing Center webpage](https://windward.hawaii.edu/services-for-students/testing-center/) (<https://windward.hawaii.edu/services-for-students/testing-center/>) and clicking "Make an Appointment" or can be made by using the following direct link: <https://www.registerblast.com/windward/Exam/List>.
- The Testing Center can be reached at 808-235-7498 with any questions or for assistance in making appointments.
- ID cards are required.
- Testing Center hours are M-F 8-4pm (closed on holidays).

STUDENT LEARNING OUTCOMES

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

- Recognize groups of veterinary drugs, their mechanisms of action, and clinically relevant side effects.
- Correctly interpret a veterinarian's pharmacy orders.
- Accurately calculate, dispense, and administer the correct form and dose of a medication.
- Describe the safe and effective manner in which vaccines must be administered.
- Maintain a controlled substances logbook in accordance with local and federal laws.
- Explain federal and state regulatory guidelines for drug purchase, storage, administration, withdrawal, disposal and inventory control.
- Accurately communicate drug information and dosing instructions to clients in order to maximize safety, compliance with prescribed therapy and successful treatment of the patient.

COURSE CONTENT

This course is structured to cover roughly one chapter per week from the required textbook: Clinical Pharmacology and Therapeutics for Veterinary Technicians, 4th Edition (see below).

For each chapter, students are expected to:

- 1) read the chapter
- 2) watch the associated video lecture
- 3) complete any other assigned work
- 4) complete a quiz at the Testing Center

Class time will be used to answer questions, review quizzes and exams, and spend time discussing important points, challenging topics, or new material not covered in the course textbook or video lectures.

ASSESSMENT AND GRADING

Students will be graded as follows:

POINT VALUES

900 Total Points

- Quizzes - 130 points
 - o 13 (1 for each chapter), 10 points each
- Exams - 500 points
 - o 150 points for Exams 1 and 2
 - o 200 points for Exam 3 (last several chapters and a cumulative portion)
- Assignments - 220 points
- Attendance - 50 points
 - o Attendance is required and defined as being present in class for the entire class period. Each student is allowed one absence without penalty. Each unexcused absence beyond the one allowed will result in a deduction of 10 points from the student's attendance grade **and** use of our demerit system (refer to the Student Handbook). Any absences must be communicated with your instructor prior to or on the day of the absence. In order to be considered an excused absence, a doctor's note or documentation must be given to the instructor within 48 hours of returning to school.
 - o Lecture attendance via Zoom during an absence may be possible with instructor approval. It is the student's responsibility to contact the instructor to have this arranged. Attendance via Zoom is **NOT** considered equivalent to attendance in person and will not be treated as such with regards to a student's attendance grade. An absence will be counted as unexcused without proper documentation whether a student attends via Zoom or not.
 - o Tardiness: Arriving more than 10 minutes late may be considered an absence.
 - o For more information on the Veterinary Technology Program attendance policy, please refer to the Student Handbook.

GRADING SCALE

Total Points and Grade Equivalent

>= 810 A (90%)

720 B (80%)

630 C (70%)

540 D (60%)

<=450 F

A cumulative grade of 70% or above is required to pass this course.

Policy on Late Assignments:

Late submissions will be accepted up to 24 hours past the due date, but will be awarded only 50% of the original point value. Late submissions will not be accepted after 24 hours past the due date and time. If an assignment was missed due to an unforeseen emergency, communication

must be established with your instructor within 48 hours and documentation must be provided, in which case the student will be provided an opportunity to submit the work by a new deadline that will be provided by the instructor.

Policy on Make-Up Exams:

If you miss an examination because of an illness or legitimate emergency, you must contact the instructor within 24 hours to arrange a time to make-up the missed test. The student must present evidence of the illness or emergency that caused the student to miss the test. If the student misses an exam for any other reason, the student may be prohibited from taking a make-up exam. Makeup exams may differ from the original test with regards to questions but content will remain the same.

No retests will be given for any reason.

LEARNING RESOURCES:

Required textbook (hard copy or digital version):

Clinical Pharmacology and Therapeutics for Veterinary Technicians: Bill, Robert L. Elsevier, St. Louis, MO. 4th Edition. ISBN: 9780323086790 *Learning resources*:

Lectures: Video lectures and corresponding PowerPoint presentations will be available for each week on a shared Google Drive. Links to these resources will be posted on Laulima.

Other resources: Due to the nature of this course, it is necessary to have access to high-speed internet, campus email, Laulima, Google Drive, and computer software (e.g. Microsoft, Adobe).

ADDITIONAL INFORMATION

Student Responsibilities

- **Students are expected to attend each class session in its entirety, participate in all course activities, and complete all examinations and course assignments on time.**
- **Communication:** The instructor will communicate with students primarily through email or the Laulima website, as well as announcements in class.
- It is the student's responsibility to be informed about deadlines concerning registration (e.g., last day for withdrawal).
- It is the student's responsibility to be informed of announcements made and to obtain copies of any assignments handed out while the student is absent.
- It is the student's responsibility to be aware of and follow all rules, policies and procedures as stated in the syllabus, the WCC Vet Tech Student Handbook, the UH Student Conduct Code, or via other written communication by the instructor. Failure to follow rules, or any UH/WCC policies, will result in demerits for such violations as provided for in the WCC Veterinary Technology Program Student Handbook. The instructor reserves the right to change, modify or add to rules during the semester if deemed necessary. Students will be notified in writing of any changes.

- **You will need a calculator that is separate from your cell phone. Calculators will be allowed in the Testing Center for exams and quizzes, but cell phones will not.**

Behaviors recommended for success in this course:

- Set aside time to complete tasks and study the assigned material weekly. **Good time management skills are essential for success in this course.**
- **Do not forget to schedule time to take your weekly quiz at the Testing Center.**
- Treat all classmates and instructors with respect and courtesy.
- Arrive for class on time and ready to go.
- Behave professionally at all times. Do not complain, gossip, or speak negatively about others (in or outside the program).
- Ask for help or clarification when needed.

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. Jodi A.-K. Asato can be reached at (808) 235-7472, wccdsso@hawaii.edu, or you may stop by Hale Kāko‘o 105 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:

Leslie Cabingabang, Confidential Advocate

Phone: (808) 348-0432

Email: leslie.cabingabang@hawaii.edu

Desrae Kahale, Mental Health Counselor & Confidential Resource

Phone: (808) 235-7393

Email: dkahale3@hawaii.edu

Karen Cho, Deputy Title IX Coordinator

Phone: (808) 235-7404

Email: kcho@hawaii.edu

Office: Hale Alaka'i 120B

not a confidential resource

Mykie Ozoa-Aglugub, Title IX Coordinator

Phone: (808) 235-7468

Email: mozoa@hawaii.edu

Office: Hale Kako'o 109

not a confidential resource

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/

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. **The use of work created by artificial intelligence bots, such as ChatGPT, will be considered plagiarism. Providing answers or test questions to students who have yet to take a quiz or exam, or accepting this information for use in taking a quiz or exam, is considered cheating.**

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 and for exams if caught cheating.

Demerit system will be utilized as outlined in the Veterinary Technology Student Handbook.

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

ALTERNATE CONTACT INFORMATION

If you are unable to reach your instructor, you can contact Dr. Kelly at jennyrk@hawaii.edu.

****Please note that the syllabus is subject to change. Students will be given advance notice of any changes.**