



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

ANSC 253: Applied Pharmacology for Veterinary Technicians

3 Credit Hours (CRN 64339)

INSTRUCTOR: Dr. Jessie Krause

OFFICE: Imiloa 102

OFFICE HOURS: By Appointment

TELEPHONE: 808-236-9125

EMAIL (preferred): jkrause7@hawaii.edu

EFFECTIVE DATE: Spring 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.

Credits: 3

Prerequisites: Admission in the Veterinary Technology Program and a grade of “C” or better in all completed ANSC courses.

STUDENT LEARNING OBJECTIVES

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

- Recognize groups of veterinary drugs, their mechanisms actions, 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.
- Maintain a controlled substances logbook in accordance with local and federal laws.
- Explain federal and state regulatory guidelines for drug prescription, 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 TASKS

Overview

This is an online course. Students will be expected to watch weekly lecture videos, read the assigned textbook chapter, review any supplemental materials, and complete any other assigned work by the posted due dates. All coursework will be completed in Laulima unless otherwise specified.

Weekly quizzes and three examinations will be given throughout the course of the semester.

Quizzes and exams are not “open-book” and the use of notes or other course resources is prohibited unless otherwise specified. Loom videos will be required to receive credit for quizzes and exams, which must show that the student's workspace is free from books, notes, or other learning aides (including smartphones, ipads, etc). The loom videos will need to be uploaded into a designated assignment space for this purpose in Laulima.

Weekly Zoom meetings will be scheduled to reinforce topics and answer any questions you may have. These will be scheduled using the results of a student poll given during the first week of classes. Attendance at these meetings is encouraged but not required.

ASSESSMENT TASKS AND GRADING

Students will be graded as follows:

POINT VALUES

Total of 800 points

- Quizzes - 130 points
 - 13 (1 for each chapter), 10 points each
- Exams – 500 points
 - 150 points for Exams 1 and 2
 - 200 points for Exam 3 (a portion will cover new material from the last several chapters of the course, and a portion will be a cumulative final exam)
- Assignments – 170 points

GRADING SCALE

Total Points and Grade Equivalent

Total of 800 points:

>= 720 A
 640-719 B
 560-639 C
 480-559 D
 <= 479 F

*Please note that a 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.

Policy on Make-Up Exams:

If you miss an examination because of an illness or legitimate emergency, you must contact the instructor within 48 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. Make-up 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).

Tutors: Contact information for tutors will be listed in Laulima.

ADDITIONAL INFORMATION

Communication

- **Communication:** The instructor will communicate with students primarily through email or the Laulima website. Any changes in the course schedule, such as examination dates, deadlines, etc., will be announced ahead of time in Laulima or via email.
- **It is recommended that students check their email accounts regularly (at least every 48 hours) to be informed of any changes in a timely manner.**
- Class discussions and lectures reinforcing the weekly topic will take place during weekly Zoom meetings. Questions on the subject matter will be answered during this time.
- Any questions not covered in the Zoom meetings or questions which are time-sensitive may be emailed to the instructor at any time.
- Any questions pertaining to an individual student's grade, or which for other reasons are preferred to be asked privately, can be sent to the instructor via email to jkrause7@hawaii.edu.

Student Responsibilities

- **Students are expected to complete all examinations and course assignments on time.**
- 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.
- 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 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.
- Treat all classmates and instructors with respect and courtesy.
- 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. Tutor contact information will be listed in Laulima.

Netiquette

(Network etiquette - appropriate online behavior) - Please visit the [UH Netiquette and Safety](#) page for additional information.

- Refrain from using CAPS lock – it indicates anger, yelling, or an aggressive tone.
- Use correct spelling, capitalization, and punctuation in all correspondence.
- Use standard English, not “texting” language.
- Be respectful to each other, choose your words wisely, and do not reply while upset or angry. When communicating online, it is difficult to convey tone and words can be misunderstood. Take time to be calm, proof-read, and consider how someone else might interpret what you are saying.
- Express differences of opinion in a polite and rational manner.
- Avoid bringing up irrelevant topics when involved in group discussions or other collaborative activities.
- If you ever receive an email or a response in discussions that is not appropriate, please contact the instructor privately and immediately. The vet tech program has no tolerance for anything that would be considered harassment, bullying, impolite or insulting. Situations like this may be referred to the program director, Dean, or Vice Chancellor of Student Affairs and corrective action will be taken.

Zoom Classroom Etiquette

This is a virtual classroom, so appropriate classroom behavior is expected.

- Take care of your personal needs (hygiene, eating, talking to others in your home, etc.) prior to entering the classroom.
- Ensure your workspace is quiet, clean, and has an appropriate background.
- Keep your audio on mute until you want to speak.
 - If you would like to speak, use the ‘raise hand’ feature, then unmute yourself when called upon.
- Keep your camera on to maintain focus.
- Use respectful, appropriate language.
- Be professional:
 - Be on time.

- Dress appropriately.
- Come prepared to discuss the assigned topics.

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:

Jojo Miller, Confidential Advocate

Phone: (808) 348-0663

Email: advocate@hawaii.edu

Office: Hale Kāko‘o 110

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/

ACADEMIC INTEGRITY

Academic dishonesty includes cheating on quizzes or exams and plagiarism. **In this course, quizzes and exams are not “open-book” and the use of notes or other course resources is prohibited.** Loom videos will be required for quizzes and exams, which must show that the student’s workspace is free from books, notes, or other learning aides (including smartphones, ipads, etc).

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 consequences:

Students will receive a failing grade for plagiarized assignments or tests or for any quiz or test for which they are found to be using prohibited materials to answer questions.

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, please contact Dr. Jenny Kelly at jennyrk@hawaii.edu.

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

****Please note that the syllabus, course schedule, assignments and due dates are subject to change. Students will be given advance notice of any changes.**