



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

ANSC 253 Applied Pharmacology for Veterinary Technicians

3 Credit Hours

CRN 63426

Thursdays 10-11:15

INSTRUCTOR: Dr. Jessie Krause
OFFICE: Imiloa 121
OFFICE HOURS: By appointment.
TELEPHONE: (816) 868-0876 **EMAIL (preferred):** jkrause7@hawaii.edu
EFFECTIVE DATE: August 22, 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 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.

Students will be expected to complete weekly quizzes and three examinations at the Testing Center.

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.
- Facemasks are currently 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 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.
- 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**Course Schedule**

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

For each chapter, students are expected to:

- 1) read the chapter
- 2) watch the associated video lecture
- 3) complete assigned self-assessment questions in their textbook
- 4) create a drug chart using the provided template and list of drugs from each chapter
- 5) take a quiz
- 6) complete any additional assignments

Class time will be used to answer questions, review quizzes and exams, and spend extra time on challenging topics. It is recommended to email questions or requests for clarification to your instructor prior to the next class period so common questions can be discussed with the entire group.

Course Schedule – subject to change***Graded items are in bold.**

Week	Date	Tasks
1	Aug 25	Ch. 1 Ch. 1 Quiz
2	Sept 1	Ch. 2 Ch. 2 Quiz Calculations Assignment 1 due in class Sept 8
3	Sept 8	Ch. 3 Ch. 3 Quiz
4	Sept 15	Ch. 8 Ch. 8 Quiz
5	Sept 22	No new material Exam 1 (Ch. 1-3, 8)
6	Sept 29	Ch. 4 Ch. 4 Quiz
7	Oct 6	Ch. 5 Ch. 5 Quiz
8	Oct 13	Ch. 6 Ch. 6 Quiz Calculations Assignment 2 due in class Oct 20
9	Oct 20	Ch. 7 Ch. 7 Quiz
10	Oct 27	Ch. 9 Ch. 9 Quiz Calculations Assignment 3 due in class Nov 3
11	Nov 3	No new material Exam 2 (Ch. 4-7, 9)
12	Nov 10	Ch. 12 Ch. 12 Quiz
13	Nov 17	Ch. 10/11 Ch. 10 and Ch. 11 Quizzes will be given together, the week after Thanksgiving.
14	Nov 24	No Class (Thanksgiving) – Continue with Ch. 10/11 Tasks.

15	Dec 1	Ch. 13 Ch. 13 Quiz
16	Dec 8	Review
17	TBA	Exam 3 (Ch. 10-13)/Final Exam

ASSESSMENT 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 (combination final exam and covering last several chapters)
- Assignments – 120 points
- Attendance - 50 points
 - Attendance is mandatory 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 score. If a student has an excused absence, a doctor's note or documentation must be given to the instructor within 48 hours of returning to school. Additionally, attendance for class guest lectures is imperative. Missing a guest lecture will result in an automatic deduction of 25 points.
 - For more information on the Veterinary Technology Program attendance policy, please refer to the Student Handbook.

GRADING SCALE

Total Points and Grade Equivalent

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

Policy on Late Assignments:

Late submissions are not accepted. 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. 4thEdition. 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 Lulima.

Other resources: Due to the nature of this course, it is necessary to have access to high-speed internet, campus email, Lulima, 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 Lulima website, as well as announcements in lab. Any changes in the course schedule, such as examination dates, deadlines, etc., will be announced ahead of time in class or on Lulima.
- 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.
- **Cell phones or other wireless devices are not to be used during this class unless being utilized directly for course participation (i.e. taking notes or using a calculator). Misuse of cell phones or other wireless devices includes texting, checking emails, surfing the internet, or any other activity that is not directly related to this course. The instructor reserves the right to prohibit the use of cellular or wireless devices in the classroom if**

these guidelines are not being followed.

- **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.**
- **This class will be following campus guidelines with regards to the ongoing Coronavirus pandemic. Currently, it is required for all class participants to wear a face mask while in class. Face masks must be worn to cover the mouth and nose at all times. Please see the following link for campus policy updates and information pertaining to Covid19: <https://windward.hawaii.edu/campus-life/safety-security/campus-emergency-preparedness-and-evacuation-procedures/coronavirus/>.**

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:

Kaahu Aho, Confidential Advocate
 Phone: (808) 235-7354
 Email: kaahualo@hawaii.edu

Desrae Kahale, Mental Health Counselor & Confidential Resource
 Phone: (808) 235-7393
 Email: dkahale3@hawaii.edu

Office: Hale Kāko‘o 101

Karla K. Silva-Park, Deputy Title IX Coordinator

Phone: (808) 235-7404

Email: kcho@hawaii.edu

Office: Hale Alaka‘i 120B

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. **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.

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