Curriculum Details

Course Record ID
672

1. Entry Type
Active

Notes and Special Changes

2. Justification

3. Course Alpha
ANSC

4. Course Number
251

5. Course Title (long)
Applied Pharmacology for Veterinary Technicians

6. Course Title Short

7. Course Credits
3

8. Course Credit Upper Range

Repeatable
Will default to 98
9. Course 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.

10. Course Pre-Requisites

Credit for or registration in ANSC 15l and 15IL, MATH 101 and HLTH 125.

11. Course Co-Requisites

12. Course Recommended Preparation

13. Contact Hours (lecture, lab, lecture/lab)

3 hours lecture

14. Maximum Credits Towards an AA Degree

Grading Options

Will be set to Banner default

15. Department

Natural Sciences

16. Cross-Listing

17. Course Content

18. Course Competencies
19. Assessments, Tasks, and Grading

20. Auxiliary Materials and Content

21. Additional Activities outside of class and class time

22. Special Costs connected to the course

23. What are the Student Learning Outcomes?

1) Recognize groups of veterinary drugs, their mechanisms & actions, and clinically relevant side effects. 2) Correctly interpret a veterinarian's pharmacy orders. 3) Accurately calculate, dispense, and administer the correct form and dose of a medication. 4) Describe the safe and effective manner in which vaccines must be administered. 5) Maintain a controlled substances log book in accordance with local and federal laws. 6) Explain federal and state regulatory guidelines for drug purchase, storage, administration, withdrawal, disposal and inventory control. 7) Accurately communicate drug information and dosing instructions to clients in order to maximize safety, compliance with prescribed therapy and successful treatment of the patient.

24. How does the proposal connect to the college's strategic plan?

Expand the curriculum that prepares students for critical workforce shortage areas (4.3). Create internships and service learning opportunities in the community (4.4). Promote the knowledge, skills, and opportunities that support current and emerging STEM fields and careers (4.5).

25. Describe the staff that will be needed

This class must be taught by a licensed veterinarian (lecturer or FT faculty). A PCR for a FT veterinarian has already been submitted to the UH BOR.

26. Describe the facilities that will be needed, including special rooms

27. Describe any other resources that will be needed

28. How will the staff, facilities, and other resources for the course be secured?
29. Certificates

30. Connection to the AA degree

31. Connection between the Course SLOs and the College's General Education Outcomes

32. List any similar classes taught at outside of the UH system

Although WCC and other UH community colleges offer pharmacology courses (e.g., PHARM 203), these courses focus only on human medicine and are therefore not appropriate for articulation with ANSC 251.

33. List any similar classes taught at campuses in the UH System.

Within the UH System, this course is unique to WCC. Similar courses are taught at most of the AVMA accredited 2-year vet tech programs (e.g., VT 83- Pharmacology for Technicians, Foothill College, CA). The addition of this course will allow WCC's vet assisting students to acquire a working knowledge of veterinary drugs and obtain marketable skills (ability compound and dispense medications). This class can also be used to satisfy AVMA requirements should WCC offer an AS in Veterinary Technology.

34. How, if at all, is the course intended to count in lieu of a course taught at a four-year campus.

35. How, if at all, is the course similar to upper-division courses in the UH System.

36. How does the course articulate with four-year programs (Gen Ed)?

37. List any articulations between this course and any four-year program.

End of Proposal