Curriculum Details

Proposed By

Proposed by: johnkaya

Course Record ID

757

Entry Type

Modify (draft)

Date Created

September 20, 2012

Notes and Special Changes

Stakeholders Consulted

1. Justification

Lab portion moved to separate course.

2. Course Alpha

ANSC

3. Course Number

252

4. Course Title (long)

Diagnostic Imaging for Veterinary Technicians

5. Course Title Short
6. Course Credits
3

7. Course Credit Upper Range
0

Repeatable
Will default to 98 (this is how often someone can sign up for the course (not how many times they can apply it to a degree)

8. Course Description
This course covers the nature and use of X-Ray technology in veterinary technology. Students are also given an overview of alternative imaging techniques (ultrasound, CT Scans, and digital radiography) as well as an introduction to the radiography of large animals and exotics.

9. Course Pre-Requisites
Admission into the Veterinary Technology program. Students enrolling in ANSC 252 are required to show proof of current health insurance and sign a liability waiver.

10. Course Co-Requisites
Concurrent enrollment in ANSC 252L.

11. Course Recommended Preparation

12. Contact Hours (lecture, lab, lecture/lab)
3 hours lecture

13. Department
Natural Sciences

14. Cross-Listing
15. Course Content

16. Course Competencies

17. Assessments, Tasks, and Grading

EXAMINATIONS (200 points total-100 points for each exam). The student will take two exams to demonstrate knowledge and understanding of information presented in the lectures, lab activities, and text readings. QUIZZES (100 points total-25 points for each quiz). The student will take four quizzes to demonstrate knowledge and understanding of information presented in the lectures, lab activities, and text readings. CLASS PARTICIPATION & CONDUCT (100 points): Attendance and participation in class discussions and lab activities are mandatory. Each student is allowed two absences without penalty. Each unexcused absence above two will result in a deduction of points from the student’s attendance score. Students who do not participate in class discussions or come un-prepared to participate in these activities will have points deducted from their attendance and class participation points. Students who behave in a reckless, inhumane, or unsafe manner will receive an F grade and be barred from attending future classes. RADIOGRAPHY PORTFOLIO (200 Points). Students enrolled in ANSC 252 will produce a minimum of 20 radiographs of diagnostic quality. They are required to submit 10 radiographs to their instructor for evaluation. These radiographs will be evaluated for correct technique, proper patient positioning, labeling, and contrast. Students must score >70% on their portfolio in order to pass the course.

Grading Options

Will be set to Banner default

18. Auxiliary Materials and Content

19. Additional Activities outside of class and class time

20. Special Costs connected to the course
21. What are the Student Learning Outcomes?

1) Describe the uses and functioning of various types of medical imaging equipment.
2) Implement and observe recommended radiation safety measures.
3) Evaluate radiographic images for proper radiographic technique and patient positioning.
4) Explain the clinical uses of alternative imaging technologies.

22. Connection between the Course SLOs and the College’s General Education Outcomes

23. 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).

24. Describe the staff that will be needed

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

The x-ray machine and safety equipment have already been purchased and installed. Students will purchase consumables (film, developer and dosimetry badge) through the WCC Bookstore.

26. Describe any other resources that will be needed

27. How will the staff, facilities, and other resources for the course be secured?

28. Certificates

29. Connection to the AA degree

30. Maximum Credits Towards an AA Degree

0
31. List any similar classes taught at outside of the UH system

No. Although KCC currently offers a number of courses as part of its AS in Radiologic Technology, these courses focus only on human applications and are therefore not appropriate for articulation with ANSC 252.

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

No. 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., VETT 215- Veterinary Diagnostic Imaging, San Juan College, NM). The addition of this course will allow WCC’s vet assisting students to obtain marketable skills (ability to take and develop a diagnostic radiograph) and can also be used to satisfy AVMA requirements should WCC offer an AS in Veterinary Technology.

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

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

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

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

End of Proposal