

ANSC 152 Companion Animal Diseases for Veterinary Technicians

Summer 2017, CRN 60077

Instructor: Zachary Albudri, DVM

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Class time and location:

Wednesday

1:00 – 2:15pm

Hale Pālanakila 102

Thursday

1:00 – 2:15pm

Hale Pālanakila 102

First class Wed May 24, 2017

Last class Thurs Aug 10, 2017

FINAL EXAM Thursday August 10, 2017

Office Hours: Wednesday/Thursday 1:00 pm – 2:00 pm Hale Akoakoa 121

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 education needs of Native Hawaiians, we provide Oahu's Ko'olau region and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment – inspiring students to excellence.

Catalog Description

This course is an introduction to the nutritional and medical care of companion animals. Topics include canine and feline life cycles (including breeding, pregnancy and parturition), and nutritional needs, exam procedures and medical recording, nursing care, and identification and treatment of common diseases. This course is intended for students entering veterinary assisting, veterinary technology, or other animal-related fields (3 hours lecture per week).

Prerequisites: ANSC 142
ANSC 142L

STUDENT LEARNING OUTCOMES

Upon successful completion of ANSC 152, the student will be able to:

- 1) Describe the importance of obtaining a complete patient history and physical exam.
- 2) Discuss the energy and nutrient requirements for the various life stages of dogs and cats.
- 3) Describe the proper nursing care of neonatal, ill and geriatric dogs and cats.
- 4) Describe the effects of common household and plant toxicities in dogs and cats.
- 5) List the clinical signs, diagnostic tests and treatment of common diseases in dogs and cats.
- 6) Use visual cues to identify disease

COURSE CONTENT

The patient history

Complete physical exam

Toxic household chemicals and foods

Poisonous plants

Breeding, pregnancy and parturition in dogs and cats

Diagnostic sampling & administration of oral, topical and injectable medication

Nursing care of dogs and cats

Identification and treatment of common diseases including:

Cardiac disease, digestive disease, endocrine disease, ocular and ear disease, hematologic disease, skin disease, musculoskeletal disease, nervous system disease, reproductive disease, respiratory disease and urinary system disease

Requirements for passing this course

To receive a grade in the course the student will first receive a pass/fail based on their professionalism observed during the semester.

Failure to behave in a professional manner will result in an investigation conducted by faculty members. If any actions are deemed unprofessional, the matter will be sent to the dean's office for final review and acceptance/reversal of a FAIL grade.

A professionalism FAIL will result in a failing class grade of F and immediate dismissal from the program.

Professionalism will be defined as: The good judgment, and polite behaviour that is expected from a person who is trained to do a job well. That behaviour will extend to colleagues, college faculty, college staff and clients that interact with this program.

Attendance is mandatory and will be taken before every class. Barring emergencies that will be validated by the instructor (doctors note, police report, inclement weather, confirmed canceled flights, etc), any unexcused absence will result in an immediate F in the course and dismissal from the program.

To qualify for an excused absence, prior approval must be received and approved by Dr. Albudri or the program director, Dr. Kelly at least two weeks before a planned absence.

Examinations 3 exams (exam 1, exam 2, final): 30 points each

The student will take three exams to demonstrate knowledge and understanding of information presented in the lectures and text reading. **EXAMS ARE CUMULATIVE.**

Quizzes (unknown number): 10 points total

The student will take anywhere from zero to many quizzes during the allotted lecture portion. The quizzes will be based on the reading assignment up to and including the day of the quiz.

Method of grading

| | |
|----------------|-------------------------|
| Quizzes | 10 points |
| Exam 1 | 30 points |
| Exam 2 | 30 points |
| FINAL | <u>30 points</u> |
| | 100 points total |

Grades are fixed (example: a 179/200 is 89.5% - fractions are dropped – this grade will be entered as an 89 = B)

Grading

| <i>Total Points</i> | <i>Percentage points</i> | <i>Grade</i> |
|---------------------|--------------------------|--------------|
| 90-100 | 90-100 | A |
| 80-89.9 | 80-89.99 | B |
| 70-79.9 | 70-79.99 | C |

Anything student earning less than 69 points in this course will receive in a failing grade of F in this course and immediate dismissal from this program. The student will be required to re-apply into the veterinary technician program.

Academic Dishonesty

Students involved in academic dishonesty will receive an immediate failing grade from the course by the instructor and will be barred immediately from all lecture and lab components. The student will be dismissed from the program and will have to re-apply into the veterinary technician program.

Academic dishonesty includes: giving/receiving assistance during test taking conditions, cheating on quizzes/exams and plagiarism Any questionable behavior will require the student and instructor to have a meeting with the Dean of Student Affairs to discuss any allegations arising from questionable behavior(s). See the 2014-2015 course catalog for a description of the College's policies concerning academic dishonesty.

Learning Resources

Textbooks

Textbooks:

Common Diseases of Companion Animals: Summers, Alleice 3rd Edition, Mosby Elsevier 2014, St. Louis MO (Required)

Nutrition and Disease Management for Veterinary Technicians and Nurses, 2nd Edition: Wortinger, Ann 2nd edition. Blackwell Publishing 2015, 272 pp. ISBN: 978-1118509272 (Required)

Science Direct: science database available through the library learning commons link from the WCC website or at <http://www.sciencedirect.com/>

Lecture Outlines

Powerpoint outlines will be online on Laulima

Laulima

A laulima website is accompanying this course. To access, go to

<https://laulima.hawaii.edu/portal>

Login using your UH username and password. Click on ANSC 152 to continue. The website contains lecture outlines, copies of course forms, syllabi and links to on-line learning resources.

Additional information

Any changes in the course schedule, such as examination dates, deadlines, etc. will be announced ahead of time on the course website. It is the student's responsibility to be informed about deadlines critical to making registration changes (eg last day for making an official withdrawal).

Accommodation for students with disabilities

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 Disability Specialist Counselor to discuss reasonable accommodations that will help you succeed in this class. Ann Lemke can be reached at 235-7448, lemke@hawaii.edu , or you may stop by at Hale 'Akoakoa 213 for more information.

Tips for success

This course will explore hundreds of topics in great detail. Many of which will be relevant in the daily activities of a practicing veterinary technician. Success should not be measured by an overall grade but rather, the take-home walk-around knowledge retained overall. Become the technician that you want your own pet to be cared by (empathetic, efficient, helpful, brilliant and polite).

This course draws from a variety of disciplines but most heavily, anatomy and physiology. It is assumed that the student is either proficient or actively reviewing the appropriate material prior to class with respect to the body systems discussed during lecture. Where applicable it is expected that the student is proficient in: overall anatomy, basic physiology/chemistry, and medical terminology.

For every hour of class instruction, a student should review for at least 1.5 hours thereafter (set aside a minimum of five hours weekly for review). The student should have a basic understanding of the material prior to each class and reviewed immediately after lecture.

Any difficulties in the material should be discussed in class and when necessary, reviewed privately during office hours. Please take advantage of all the resources available as early on in this course as possible.

| Lecture | Date | Lecture | Required reading |
|---------|---------------------|---|--|
| 1 | Wed May 24 | Class introduction Early concepts in cardiovascular physiology | |
| 2 | Thurs May 25 | Diseases of the cardiovascular system | Summers Ch 1 Wortinger Section 4 Ch 41 |
| 3 | Wed May 31 | Diseases of the cardiovascular system | |
| 4 | Thurs June 1 | Diseases of the digestive system | Summers Ch 2 Wortinger Section 4 Ch 33 |
| 5 | Wed June 7 | Diseases of the digestive system | |
| 6 | Thurs June 8 | Diseases of the endocrine system | Summers Ch 3 Wortinger Section 4 Ch 38 |
| 7 | Wed June 14 | Diseases of the endocrine system <i>Exam 1 Review (Time Permitting)</i> | |
| 8 | Thurs June 15 | EXAM 1 | |
| 9 | Wed June 21 | Diseases of the endocrine system | |
| 10 | Thursday June 22 | Diseases of the eye | Summers Ch 4 |
| 11 | Wed June 28 | Diseases of the eye Diseases of the musculoskeletal system | Summers Ch 7 Wortinger Section 4 Ch 42 |
| 12 | Thurs June 20 | Diseases of the musculoskeletal system | |
| 13 | Wed July 5 | Diseases of the nervous system | Summers Ch 8 |
| 14 | Thurs July 6 | Diseases of the nervous system | |
| 15 | Wed July 12 | Diseases of the immune and hematologic systems | Summers Ch 5 |
| 16 | Thurs July 13 | Diseases of the immune and hematologic systems | |
| 17 | Wed July 19 | Diseases of the integumentary system | Summers Ch 6 Wortinger Section 4 Ch 37 |
| 18 | Thurs July 20 | Diseases of multiple organ systems | Summers Ch 9 |
| 19 | Wed July 26 | Diseases of multiple organ systems <i>Exam 1 and 2 Review (Timer Permitting)</i> | |
| 20 | Thurs July 27 | EXAM 2 | |
| 21 | Wed Aug 2 | Diseases of the reproduction system | Summers Ch 10 |
| 22 | Thurs Aug 3 | Diseases of the respiratory system | Summers Ch 11 |
| 23 | Wed Aug 9 | Diseases of the urinary system | Summers Ch 12 Wortinger Section 4 Ch 36 |
| 24 | Thurs Aug 10 | Final Exam | |

FINAL EXAM in Hale Pālanakila (Room 102) on Aug 10, 2017