

ANSC 152 Companion Animal Diseases and Nutrition for Veterinary Technicians

Instructor: Zachary Albudri, DVM

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Class time and location:

Wednesday

CRN 61124 10:00 – 11:15 am Hale Pālanakila 102

CRN 61174 11:30 – 12:45 pm Hale Pālanakila 102

Thursday

CRN 61124 10:00 – 11:15 am Hale Pālanakila 102

CRN 61174 11:30 – 12:45 pm Hale Pālanakila 102

First class Jan 13, 2016

Last class May 4, 2016

FINAL EXAM May 12, 2016

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.

COURSE CONTENT

The patient history

Complete physical exam

Nutrition basics & requirements for dogs and cats

Feeding of dogs and cats including specialty diets

Preventive health care for dogs & cats

Neonatal care of puppies and kittens

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

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 (20 points each) and 1 final (40 points): 100 points total

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

Quizzes (unknown number): 100 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	100 points
Exam 1	20 points
Exam 2	20 points
Exam 3	20 points
FINAL	<u>40 points</u>
	200 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>
180-200	90-100	A
160-179.9	80-89.99	B
140-169.9	70-79.99	C

Anything student earning less than 139 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	Jan 13	Class introduction Early concepts in cardiovascular physiology	
2	Jan 14	Diseases of the cardiovascular system	Summers Ch 1 Wortinger Section 4 Ch 41
3	Jan 20	Diseases of the cardiovascular system	
4	Jan 21	Diseases of the digestive system	Summers Ch 2 Wortinger Section 4 Ch 33
5	Jan 27	Diseases of the digestive system	
6	Jan 28	Diseases of the endocrine system	Summers Ch 3 Wortinger Section 4 Ch 38
7	Feb 3	Diseases of the endocrine system <i>Exam 1 Review (Time Permitting)</i>	
8	Feb 4	EXAM 1	
9	Feb 10	Diseases of the endocrine system	
10	Feb 11	Diseases of the eye	Summers Ch 4
11	Feb 17	Diseases of the eye Diseases of the musculoskeletal system	Summers Ch 7 Wortinger Section 4 Ch 42
12	Feb 18	Diseases of the musculoskeletal system	
13	Feb 24	Diseases of the nervous system	Summers Ch 8
14	Feb 25	Diseases of the nervous system	
15	Mar 2	Diseases of the immune and hematologic systems	Summers Ch 5
16	Mar 3	Diseases of the immune and hematologic systems	
17	Mar 9	Diseases of the integumentary system	Summers Ch 6 Wortinger Section 4 Ch 37
18	Mar 10	Diseases of multiple organ systems	Summers Ch 9
19	Mar 16	Diseases of multiple organ systems <i>Exam 1 and 2 Review (Timer Permitting)</i>	
20	Mar 17	EXAM 2	
21	Mar 30	Diseases of the reproduction system	Summers Ch 10
22	Mar 31	Diseases of the respiratory system	Summers Ch 11
23	Apr 6	Diseases of the urinary system	Summers Ch 12 Wortinger Section 4 Ch 36
24	Apr 7	History and regulation of veterinary nutrition	Wortinger Section 2
25	Apr 13	Nutrition	Wortinger Section 1
26	Apr 14	Nutrition	
27	Apr 20	Exam 1,2 and 3 Review	
28	Apr 21	EXAM 3	
29	Apr 27	Nutrition	Wortinger Section 3
30	Apr 28	Nutrition	
31	May 4 <small>LAST CLASS</small>	Nutrition	
	May 12	Final Exam Hale Pālanakila (Room 102)	

FINAL EXAM in Hale Pālanakila (Room 102)

CRN 61124 May 9 10am-12pm || CRN 61174 May 11 11:30am – 1:30 pm