

ANSC 152 Companion Animal Diseases and Nutrition for Veterinary Technicians

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Class time and location:

This course will be taught and examined online. There will be one in-class meeting on Friday May 27 from 1pm – 4 pm (classroom location to be determined/announced by Maui College in the near future – you will be notified when the location is confirmed).

Office Hours:

We will meet online using Adobe Blackboard software. We will use lualima polls to determine times that work best for the class.

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

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.

Method of grading

Quizzes (13) 10 points each (130 total)

Exam 1 10 points

Exam 2 10 points

Exam 3 10 points

FINAL 40 points

200 points total

Grading

<i>Total Points</i>	<i>Percentage points</i>	<i>Grade</i>
180-200	90-100	A
160-179.9	80-89.99	B

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.

Course expectations

Students will be expected to watch almost daily lecture videos, read almost daily selections from two textbooks and take 13 quizzes throughout the semester. Additionally the student will take three exams and a final.

Tips for success

As a summer course, this class is intense. You will be expected to absorb two textbooks worth of material in six weeks. To succeed, plan on setting aside at least two-to-three hours daily for this course in addition to the daily lecture videos (approximately 90 minutes each).

We 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.

Please take advantage of all the resources available as early on in this course as possible. If you feel that you need help then ask immediately.

Date	Objective	Readings
May 23	Class introduction Diseases of the cardiovascular system	Summers Ch 1 Wortinger Section 4 Ch 41
May 24	Diseases of the cardiovascular system	Summers Ch 1 Wortinger Section 4 Ch 41
May 25	Diseases of the digestive system Complete Quiz 1 - Cardiovascular	Summers Ch 2 Wortinger Section 4 Ch 33
May 26	Diseases of the digestive system	Summers Ch 2 Wortinger Section 4 Ch 33
May 27	Diseases of the endocrine system Complete Quiz 2 - Gastrointestinal Maui college lecture 1-4 pm – classroom location TBA	Summers Ch 3 Wortinger Section 4 Ch 38
May 30	Diseases of the endocrine system	Summers Ch 3 Wortinger Section 4 Ch 38
May 31	Diseases of the endocrine system	Summers Ch 3 Wortinger Section 4 Ch 38
EXAM 1		
June 2	Diseases of the endocrine system	Summers Ch 3 Wortinger Section 4 Ch 38
June 3	Diseases of the eye Complete Quiz 3 – Endocrine	Summers Ch 4
June 6	Diseases of the eye	Summers Ch 4
June 7	Diseases of the musculoskeletal system Complete Quiz 4 – Eye	Wortinger Section 4 Ch 42
June 8	Diseases of the musculoskeletal system	Wortinger Section 4 Ch 42
June 9	Diseases of the nervous system Complete Quiz 5 - Musculoskeletal	Summers Ch 8
June 10	Diseases of the nervous system	Summers Ch 8
June 13	Diseases of the immune and hematologic systems Complete Quiz 6 – Nervous System	Summers Ch 5
EXAM 2		
June 15	Diseases of the immune and hematologic systems	Summers Ch 5
June 16	Diseases of the integumentary	Summers Ch 6

	System Complete Quiz 7 – Hematology	Wortinger Section 4 Ch 37
June 17	Diseases of multiple organ systems Complete Quiz 8 – Skin	Summers Ch 9
June 20	Diseases of the reproduction system Complete Quiz 9 – Pansystemic	Summers Ch 10
June 21	Diseases of the Respiratory system Complete Quiz 10 – Reproduction	Summers Ch 11
June 22	Urinary Complete Quiz 11 – Respiratory	Summers Ch 12 Wortinger Section 4 Ch 36
June 23	Toxicology Complete Quiz 12 - Urinary	Lecture and powerpoint notes
June 24	Nutrition	Wortinger Section 1
June 27	Nutrition	Wortinger Section 2
June 28	Exam 3	
June 29	Nutrition	Wortinger Section 3
June 30	Nutrition & Review Complete Quiz 13 - Nutrition	
July 1	FINAL	