

## **ANSC 152**

### **Companion Animal Diseases and Nutrition for Veterinary Technicians**

**Monday 10:00 am – 12:45 pm (CRN 60201)**

**Thursday 10:00 am – 12:45 pm (CRN 60341)**

**Hale Palanakila 102**

Instructor: John Kaya, DVM  
Office: Hale Nauauao 145  
Office Hours: Monday, Wednesday, Thursday 8:30-9:45 am or by appointment  
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Effective Date: Spring 2014

### **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 should be able to:

- Describe the importance of obtaining a complete patient history and physical exam.
- Discuss the energy and nutrient requirements for the various life stages of dogs and cats.
- Describe the proper nursing care of neonatal, ill and geriatric dogs and cats.
- Describe the effects of common household and plant toxicities in dogs and cats.
- 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

## Course Tasks

- Attend class at scheduled times.
- Complete assigned readings prior to lecture.
- Participate in class discussions
- Complete worksheets
- Complete 2 midterm exams and 1 final exam.
- Complete eCafe

## Assessment Tasks and Grading

**Worksheets** (75 points total) Students will complete three sets of worksheets that correspond to the exam period. (25 points each)

**ATTENDANCE** (25 points): Attendance is mandatory and defined as being present in class for at least 75% of the class period. Each student is allowed one absence without penalty. Each unexcused absence beyond the one allowed, will result in a deduction of 5 points from the student's attendance score.

**Exams:** (350 points). The student will take two exams worth 100 points each (non-cumulative) to demonstrate knowledge and understanding of information presented in the lectures, text readings, and assignments. The final exam will be worth 150 points and will be cumulative.

**Class participation and assigned readings:** (50 points + bonus points) Students will be given an opportunity to answer questions in class. Base-line participation is expected (5 correct answers) and bonus points will be awarded to students based on their level of interaction. Material covered will include previously covered topics as well as topics scheduled for that day. Questions will be asked of the assigned readings which should be completed prior to class.

**Extra credit:** (30 points) Students wishing to earn extra credit points will select a nutrition or disease topic to be approved by the instructor. The project (25 points) involves creating a brochure that is appropriate for distribution to the general public. The project will be submitted to the "Turnitin" program to ensure authenticity and avoid any questions about plagiarism. Grading will be by the instructor as well as by fellow students. The due date is Thursday, April 24, 2014. Another extra credit opportunity involves participation in the eCAFE course evaluation (5 points).

## METHOD OF GRADING

The assignment of points will be according to the following:

Worksheets 75 points

Attendance 25 points

Participation 50 points

Exams 350 points

**TOTAL 500 points**

## GRADING SCALE

### Total Points and Grade Equivalent

448-500 90-100 A

398-447 80-89 B

348-397 70-79 C

298-347 60-69 D

<297 0- 59 F

Grades may be curved at the instructor's discretion; however, the student should use the above grading scale to evaluate their performance throughout the class.

### **Policy on Make-Up Quizzes and Exams:**

If you miss an examination because of an illness or legitimate emergency, you must contact the instructor **within 48 hours** to arrange a time to make-up the missed test. The instructor may request that the student present evidence of the illness or emergency that caused the student to miss the test. If the student misses a quiz, practicum or exam for any other reason, the student may be prohibited from taking a make-up, thus failing to receive any points. Make-up quizzes, practicums or exams may differ from the original test with regards to questions but content will remain the same. All make-up quizzes, practicums or exams must be completed **within one week** of the original exam date. All make-up quizzes, practicums or exams will be deducted **1 point** for every day that has passed from the original test date. **No retests will be given for any reason.**

### **ACADEMIC DISHONESTY**

**Students involved in academic dishonesty will receive an "F" grade for the course.**

Academic dishonesty includes cheating on exams and plagiarism. See the 2012-2013 course catalog for a description of the University's policies concerning academic dishonesty.

### **Learning Resources**

Textbooks:

Nutrition for Veterinary Technicians and Nurses: Wortinger, Ann 1st edition. Blackwell Publishing 2007, 249 pp. ISBN: 978-0-8138-2913-5

Common Diseases of Companion Animals: Summers, Alleice 3<sup>rd</sup> Edition, Mosby Elsevier 2013, St. Louis MO

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

### **Additional Information**

**Laulima:** Your instructor has created a Laulima website to accompany this course. This website contains lecture outlines, copies of course forms and syllabi, and links to on-line learning resources. Students enrolled in ANSC 140 are automatically enrolled in the ANSC 140 Laulima website. To access, go to <https://laulima.hawaii.edu/portal>. Login using your UH username and password and click on ANSC 140.

### **Student Responsibilities**

The student is expected to attend lectures, participate in all course activities, and complete all examinations and course assignments on time. Please be considerate of other students by turning off cell phones during class. Any changes in the course schedule, such as examination dates, deadlines, etc., will be announced ahead of time in class or on the Laulima website. It is the student's responsibility to be informed of these changes. It is the student's responsibility to be informed about deadlines concerning registration (e.g., last day for withdrawal).

### **How to Succeed in this Class**

Although you can download all lectures and course materials, you will not succeed in this class without attending lecture and taking notes on the corresponding material in the textbook. Merely reading the chapter will not suffice. Science courses at WCC generally require a minimum of two to three hours of independent study time for each hour in class. It is your responsibility to allocate the appropriate amount of time needed for study and be realistic about all personal and professional commitments that may cut into your study time.

Form study groups. Research has proven that students who form small study groups (2-5 people) and meet regularly are far more successful in school. I highly encourage each of you to find people in the class who live nearby, have similar schedules, and are eager about learning to study with. It is amazing what you can learn from each other.

## DISABILITIES ACCOMMODATION STATEMENT

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](mailto:lemke@hawaii.edu), or you may stop by Hale 'Akoakoa 213 for more information.

Week	Day	Subject	Reading
1	Mon 1/13	Introduction-Syllabus Nutrition	McCurnin CH. 9 Wortinger CH. 1-9
	Thurs 1/16	Introduction-Syllabus Nutrition	McCurnin CH. 9 Wortinger CH. 1-9
2	Mon 1/20	<b>Holiday: Dr. Martin Luther King Day</b>	
	Thurs 1/23	Nutrition	McCurnin CH. 9 Wortinger CH. 10-16
3	Mon 1/27	Nutrition	McCurnin CH. 9 Wortinger CH. 10-16
	Thurs 1/30	Nutrition	McCurnin CH. 9 Wortinger CH. 17-21
4	Mon 2/3	Nutrition	McCurnin CH. 9 Wortinger CH. 17-21
	Thurs 2/6	Large Animal Nutrition Toxicology	McCurnin CH. 10
5	Mon 2/10	Large Animal Nutrition Toxicology	McCurnin CH. 10
	Thurs 2/13	Cardiovascular System	McCurnin CH. 19, 20 Summers CH. 1, 14, 26, 38, 48
6	Mon 2/17	<b>Holiday: President's Day</b>	
	Thurs 2/20	<b>Exam #1 (Nutrition and Toxicology) No Lecture</b>	
7	Mon 2/24	Cardiovascular System	McCurnin CH. 19, 20 Summers CH. 1, 14, 26, 38, 48
	Thurs 2/27	Digestive System	McCurnin CH. 19,20 Summers CH. 2, 15, 27, 39, 49, 61
8	Mon 3/3	Digestive System	McCurnin CH. 19,20 Summers 2, 15, 27, 39, 49, 61
	Thurs 3/6	Endocrine System	McCurnin CH. 19, 20 Summers CH. 3, 16, 28, 40, 50, 62
9	Mon 3/10	Endocrine System	McCurnin CH. 19, 20 Summers CH. 3, 16, 28, 40, 50, 62
	Thurs 3/13	Integumentary System	McCurnin CH. 19, 20 Summers CH. 6, 19, 31, 42, 53, 65

10	Mon 3/17	Integumentary System	McCurnin CH. 19, 20 Summers CH. 6, 19, 31, 42, 53, 65
	Thurs 3/20	Musculoskeletal System	McCurnin CH. 19, 20 Summers CH. 7, 20, 32, 43, 54, 66
11	Mon 3/24	<b>Spring Break</b>	
	Thurs 3/27	<b>Spring Break</b>	
12	Mon 3/31	Musculoskeletal System	McCurnin CH. 19, 20 Summers CH. 7, 20, 32, 43, 54, 66
	Thurs 4/3	<b>Exam #2 (Cardiovascular to Integumentary) No Lecture</b>	
13	Mon 4/7	Nervous System	McCurnin CH. 19, 20 Summers CH. 8, 21, 33, 44, 55, 67
	Thurs 4/10	Nervous System	McCurnin CH. 19, 20 Summers CH. 8, 21, 33, 44, 55, 67
14	Mon 4/14	Reproductive System	McCurnin CH. 19, 20 Summers CH. 10, 22, 45, 56, 68
	Thurs 4/17	Reproductive System	McCurnin CH. 19, 20 Summers CH. 10, 22, 45, 56, 68
15	Mon 4/21	Respiratory System	McCurnin CH. 19, 20 Summers CH. 11, 23, 35, 46, 58, 69
	Thurs 4/24	Respiratory System <b>Due: Extra credit project</b>	McCurnin CH. 19, 20 Summers CH. 11, 23, 35, 46, 58, 69
16	Mon 4/28	Urinary System	McCurnin CH. 19, 20 Summers CH. 12, 24, 36, 47, 59, 70
	Thurs 5/1	Urinary System	McCurnin CH. 19, 20 Summers CH. 12, 24, 36, 47, 59, 70
17	Mon 5/5	Miscellaneous Diseases Final Exam Review <b>Due: eCAFE</b>	
	Thurs 5/8	Miscellaneous Diseases Final Exam Review	
18	5/12 – 5/16	<b>Final Exam Week (Cumulative test)</b>	

January 17<sup>th</sup> Last day to drop for **100% refund**

February 3<sup>rd</sup> Last day for **50% refund**

February 3<sup>rd</sup> Last day to withdraw with a **“W” grade**

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