

ANSC 152
Companion Animal Diseases & Nutrition

3 Credits
Hale 'Imiloa 133
Mon/Wed 2:30-3:45

INSTRUCTOR: Jan Chouljian, DVM
OFFICE: Hale 'Imiloa 118
OFFICE HOURS: Wednesdays and Thursdays 4:00-5:00 pm (or by appointment)
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EFFECTIVE DATE: Spring 2012

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 educational needs of Native Hawaiians, we provide O'ahu'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 hrs. lecture/wk).

Prerequisites: Credit for 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.

COURSE TASKS

- Attend class at scheduled times.
- Complete assigned readings **prior to lecture**.
- Participate in class discussions
- Complete quizzes and exams

LEARNING RESOURCES

Required Texts:

1. Bassert, Joanna and Dennis McCurnin, Clinical Textbook for Veterinary Technicians, 7th edition, St. Louis MO, Saunders Elsevier, 2010. (ISBN 978-1-4160-5700-0)
2. Wortinger, Ann, Nutrition for Veterinary Technicians and Nurses. Ames, IA, Blackwell Publishing, 2007. (ISBN: 978-0-8138-2913-5) **1 copy on reserve at WCC Library**
3. Summers, Alleice, Common Diseases of Companion Animals. 2nd edition, St. Louis, MO., Mosby Elsevier, 2007. (ISBN 978-0-323-04740-1) **1 copy on reserve at WCC Library**

Recommended Texts:

1. Romich, Janet Amundson, An Illustrated Guide to Veterinary Medical Terminology, Delmar Cengage Learning, 2008. (ISBN 978-1-4354-2012-0) **1 copy at WCC Library**
2. Colville, Thomas and Joanna Bassert, Clinical Anatomy and Physiology for Veterinary Technicians, St. Louis, MO, Mosby Elsevier, 2008. (ISBN 978-0-3230-4685-5)

Laulima Website:

There is a Laulima website to accompany this course which contains the course syllabus, PowerPoint lecture presentations, other references, and online resources. Students enrolled in ANSC 152 have automatic access to the ANSC 152 site.

To access: go to <https://laulima.hawaii.edu/portal>. Login using your UH username and password and click on ANSC 152.

ASSESSMENT TASKS AND GRADING

ATTENDANCE (25 points): Attendance is mandatory. Each student is allowed two (2) absences without penalty. Each unexcused absence above two will result in a deduction of points from the student's attendance score. Students who miss guest lectures will receive a double deduction.

QUIZZES: (100 points total)

Six (6) quizzes will be offered; but only the top five (5) scores will count. Each quiz will be worth 20 points for a total of 100 points.

EXAMINATIONS (325 points total)

Three (3) cumulative exams will be given. Exams # 1 and #2 will each be worth 100 points and Exam # 3 will be worth 150 points.

METHOD OF GRADING

Attendance	25 points
Quizzes	100 points
Exams	350 points
TOTAL	475 points

GRADING SCALE

Total Points	Percentage Points	Grade
405-475	90-100	A
360-404	80-89	B
315-359	70-79	C
270-314	60-69	D
< 269	0-59	F

POLICY ON MAKE-UP QUIZZES AND EXAMS

Quizzes will be given during the first 10-15 minutes of class. If you are late, you will not be allowed additional time.

If you miss a quiz or an exam due to a **serious illness or legitimate emergency**, you **must** contact the instructor **within 48 hours** to arrange a time to take a make-up quiz or exam.

The instructor may request that the student **present evidence of the illness or emergency** that caused the student to miss the quiz or exam. You may need to provide a doctor's note to take a make-up test. **No retests will be given for any reason other than a legitimate illness or emergency.**

While make-up quizzes and exams will cover the same content area as a missed exam, the exam format and specific questions may be different. Make-up quizzes or exams may be taken at the WCC Testing Center within a reasonable timeframe agreed upon by the instructor and student.

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 current course catalog for a description of the University's policies concerning academic dishonesty.

HOW TO SUCCEED IN THIS CLASS

- 1) Science courses at WCC generally require a minimum of 3 hours of independent study for **each** hour of class; therefore you should expect to spend **at least 9 hours per week studying OUTSIDE of class** to fully comprehend the material presented in this class.
- 2) Some material will be reinforced with PowerPoint outlines but you will be responsible for taking your own notes. It is important to read the material BEFORE class.
- 3) This course covers a variety of abnormal anatomy and pathology that requires a good understanding of normal anatomy and physiology. You may need to review material previously covered in ANSC 142.

DISABILITIES ACCOMODATION 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, or you may stop by Hale 'Akoakoa 213 for more information.

ANSC 152: Companion Animal Diseases and Nutrition
Schedule of Lectures, Reading Assignments and Tests
Spring 2012

Week	Date	Topics	Lec	Readings
1	Mon, Jan 9	Course introduction	1	Syllabus Handouts
	Wed, Jan 11	Medical History	2	McC Ch 5 pp 105-113 McC Ch 8 183-186
2	Mon, Jan 16	Holiday	--	
	Wed, Jan 18	Physical Exam	3	Class held in Iolani McC Ch 8 pp 187-202
3	Mon, Jan 23	Quiz #1 Nutrition 1: Basics of Nutrition	4	McC Ch 12 pp 296-304 Wortinger: Ch 1-5 pp 3-31
	Wed, Jan 25	Nutrition 2: Pet Food Evaluation	5	McC Ch 12 pp 305-311 Wortinger: Ch 10- 16 pp 77-123 Handout
4	Mon, Jan 30	Nutrition 3	6	Wortinger Ch 17-31 pp 131-221
	Wed, Feb 1	Nutrition 4	7	McC: Ch 10 pp 243-250 Handout
5	Mon, Feb 6	Quiz #2 Neonatal Care of Puppies & Kittens	8	McC Ch 12 pp 311-336
	Wed, Feb 8	Toxicology 1	9	McC: Ch 35 pp 1265-1285 Handout
6	Mon, Feb 13	Toxicology 2	10	McC: Ch 35 pp 1265-1285 Handout
	Wed, Feb 15	Exam #1 (cumulative)	--	
7	Mon, Feb 20	Holiday	--	
	Wed, Feb 22	Canine Vaccines	11	McC: Ch 9 pp 216-223 McC: Ch 21 pp 693-694 Handout
	Mon, Feb 27	Feline Vaccines	12	McC: Ch 9 pp 216-225 McC: Ch 21 pp 692-698 Handout

8	Wed, Feb 29	Diagnostic Sampling & Therapeutic Techniques	13	McC: Ch 20 pp 585-622
9	Mon, Mar 5	Quiz #3 Medical Nursing	14	McC: Ch 21 pp 674-692
	Wed, Mar 7	Diseases of the Cardiovascular System	15	Summers: Ch 1 pp 9-37
10	Mon, Mar 12	Diseases of the Digestive System	16	Summers: Ch 2 pp 38- 92 Handout
	Wed, Mar 14	Quiz #4 Diseases of the Endocrine System	17	Summers: Ch 3 pp 93-113 Handout
11	Mon, Mar 19	Diseases of the Eye	18	Class held in Iolani Summers: Ch 4 pp 114-134
	Wed, Mar 21	Hematologic & Immunologic Diseases	19	Summers: Ch 5 pp 135-149 Handouts
12	Mon, Apr 2	Diseases of the Integumentary System	20	Summers: Ch 6 pp 150-182
	Wed, Apr 4	Exam #2 (cumulative: includes material to 3/21)		
13	Mon, Apr 9	Diseases of the Musculoskeletal System	21	Summers: Ch 7 pp 183-202
	Wed, Apr 11	Diseases of the Nervous System	22	Summers: Ch 8 pp 203- 227
14	Mon, Apr 16	Quiz #5 Pansystemic Diseases	23	Summers: Ch 9 pp 228-249
	Wed, Apr 18	Normal Breeding & Parturition	24	McC: Ch 14 pp 371-381
15	Mon, Apr 23	Diseases of the Reproductive System	25	Summers: Ch 10 pp 250-264
	Wed, Apr 25	Quiz #6 Euthanasia and Pet Loss Issues	26	Handouts
16	Mon, Apr 30	Diseases of the Respiratory System	27	Summers: Ch 11 pp 264-292
	Wed, May 1	Diseases of the Urinary System	28	Summers: Ch 12 pp 293-317
	Wed, May 9	Final Exam (cumulative)		2:30-4:30pm

Last Day to withdraw without “W” grade: January 30, 2012

Last day to withdraw with a “W” grade: April 2, 2012