

**ANHLT 52 Course Outline as of Fall 2017****CATALOG INFORMATION**

Dept and Nbr: ANHLT 52 Title: SML ANM REC/TRANS CONTRL

Full Title: Small Animal Disease Recognition and Transmission Control

Last Reviewed: 12/9/2019

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade or P/NP

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: AG 67.4

**Catalog Description:**

This class will focus on the diseases of companion animal species (feline and canine). This class will include disease recognition as well as transmission control, hospital sanitation and sterilization procedures. A special emphasis will be placed on zoonoses awareness and protection. Microbiology of bacterial, viral, and fungal infections will be covered including relevance to chemical disinfectant handling.

**Prerequisites/Corequisites:****Recommended Preparation:**

Eligibility for ENGL 100 or ESL 100

**Limits on Enrollment:****Schedule of Classes Information:**

Description: This class will focus on the diseases of companion animal species (feline and canine). This class will include disease recognition as well as transmission control, hospital sanitation and sterilization procedures. A special emphasis will be placed on zoonoses awareness and protection. Microbiology of bacterial, viral, and fungal infections will be covered including

relevance to chemical disinfectant handling. (Grade or P/NP)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Transfer Credit: CSU;

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective: Spring 1999	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Identify and explain the basic pathophysiology of the common diseases of domestic animals including zoonotic disease.
2. Identify common ecto- and endoparasites of domestic animals and explain the clinical significance of each regarding veterinary patients.
3. Recognize routes and risk factors for transmission of disease and describe appropriate means of disinfection.

### **Objectives:**

Upon completion of this course students will be able to:

1. Identify common bacterial, viral, fungal and protozoal diseases that affect small companion animals.
2. Discuss common diagnostic tests and how they are used to detect infectious disease.
3. Explain routes of disease transmission and means to prevent spread of disease.
4. Identify common types of pathogenic organisms and explain the differences between these organisms.
5. Define control methods of common bacterial, viral, fungal and protozoal diseases.
6. Identify potential zoonotic disease situations and means to prevent the spread of disease between animals and people.
7. Evaluate different disinfectants and sanitation procedures for effectiveness.

### **Topics and Scope:**

- I. Zoonotic Diseases
  - A. Common causative agents
  - B. Clinical Signs

- C. Transmission
- D. Prevention and disinfection
- II. Common Diseases by Organ System
  - A. Alimentary
    - 1. including pancreatitis and hepatic lipidosis
    - 2. causes and differentiation of emesis, regurgitation, retching and dysphagia
  - B. Aural: Including fungal, bacterial and mite otitis
  - C. Cardiovascular: Including mitral valve disease and dilated cardiomyopathy
  - D. Integumentary: Including alopecia, allergic dermatitis, ringworm, and dermal neoplasias
  - E. Endocrine: Including thyroid disease, Diabetes Mellitus, Cushings and Addisons
  - F. Hematopoietic: Including Lymphoma and anemias
  - G. Musculoskeletal: Including cruciate disease and lactating patellas
  - H. Nervous: Including seizures and intervertebral disk disease
  - I. Reproductive
  - J. Respiratory
  - K. Urinary: Including Chronic Renal Failure and Cystitis
- III. Veterinary Bacteriology
  - A. Common disease causing bacteria: Including Bordetella, Leptospirosis, Lyme disease
  - B. Microbiology and diagnostics
  - C. Clinical Signs
  - D. Treatment and Prevention
- IV. Veterinary Virology
  - A. Common disease causing viruses
    - 1. Parvovirus, Distemper, Parainfluenza, Canine Influenza
    - 2. Calicivirus, Rhinotracheitis, Feline Leukemia Virus, Feline Immunodeficiency Virus, Feline Infectious Peritonitis
  - B. Microbiology and diagnostics
  - C. Clinical Signs
  - D. Treatment and Prevention
- V. Veterinary Parasitology
  - A. Common Endoparasites: Including heart worm disease, protozoal disease and enteric helminths
  - B. Common Ectoparasites: Including fleas, ticks and mites
  - C. Clinical signs
  - D. Diagnosis
  - E. Treatment and control
- VI. Other Veterinary Pathogens
  - A. Common fungal disease
  - B. Common prion disease
- VII. Veterinary Toxicology
  - A. Common toxins
  - B. Decontamination protocols
  - C. Clinical Signs and Treatment
- VIII. Vaccination
  - A. Basic Immune System Function
  - B. Vaccine technologies
  - C. Vaccine administration
  - D. Typical vaccine protocols
- IX. Sanitation Evaluation
  - A. Chemical options
  - B. Appropriate choice
  - C. Disposal of materials

## Assignment:

1. Reading in texts and handouts (approx 30 pages per week)
2. Reading, summarizing, and answering questions regarding case studies or veterinary research papers
3. In-class activities including mock disease outbreaks, disease characteristic recognition, and mock patient assessment
4. Presentations on specific veterinary diseases
5. Term project regarding zoonotic disease
6. Quizzes (up to every week), midterms (1 or 2), final examination

## Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Research paper summaries and term project

Writing  
10 - 30%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Case studies and in-class activities

Problem solving  
10 - 30%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Disease presentations

Skill Demonstrations  
10 - 30%

**Exams:** All forms of formal testing, other than skill performance exams.

Quizzes, midterm examinations, and final exams: multiple choice, true/false, matching items, completion, identification, case study comprehension

Exams  
50 - 70%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

None

Other Category  
0 - 0%

## Representative Textbooks and Materials:

McCurnin's Clinical Textbook for Veterinary Technicians. 8th ed. Bassert, Joanna and Thomas, John. Saunders. 2013

Common Diseases of Companion Animals. 3rd ed. Summers, Alleice. Mosby. 2013

Merck Veterinary Manual. 11th ed. Aiello, Susan and Moses, Michael. Merck. 2016