



CC APPROVAL: 11/11/2014
ACADEMIC SENATE APPROVAL: 12/01/2014
BOT APPROVAL: 12/08/2014
STATE ID: CCC000526172
EFFECTIVE TERM: Fall 2015

College of the Sequoias Course Outline of Record

SUBJECT AREA AND COURSE NUMBER: ASCI 104

COURSE TITLE: ANIMAL DISEASES & SANITATION

UNITS/HOURS

Units: 3

Hours:

Lecture Hours Per Week: 3

Lab Hours Per Week: 1

Total Lecture Hours Per Semester: 52.5

Total Lab Hours Per Semester: 17.5

Activity Hours Per Week:

Total Activity Hours Per Semester:

Total Hours Per Week: 4

Total Contact Hours Per Semester: 70

TOP CODE: 0102.00 - Animal Science*

Cross-Listed Courses:

CATALOG COURSE DESCRIPTION:

Study of common livestock diseases and fundamentals of immunity; includes the livestock technician's role in promoting animal health and the foundation of disease control programs.

REQUISITES:

NONE

FIELD TRIP REQUIREMENTS: Not Required

GRADING: S - Standard Grading A-F

REPEATABLE:

TRANSFERABLE:

Approved CSU BA Transferable (1-199 level)

YES

METHODS OF INSTRUCTION:

Methods of instruction may include, but are not limited to, the following:

- * Laboratory
- * Lecture and/or Discussion

METHODS OF EVALUATION:

A student's grade will be based on multiple measures of performance unless the course requires no grade.

Multiple measures may include, but are not limited to, the following:

Skill demonstrations
Problem solving assignments or activities
Essay quizzes or exams
Written essays or extended papers
Multiple choice tests
Short answer quizzes or exams
Oral presentations
Project

Lecture

Research and Term Papers

Laboratory

Laboratory Skill Validation by Observation
Laboratory Reports
Laboratory Research Projects and Reports
Laboratory Skill Practicum Exams

COURSE TOPICS:

1. Introduction and Overview
 - A. Historical concepts
 - B. Causative agents of disease
 - C. Methods of transmission
 - D. Principles of prevention
 1. Disinfecting
 2. Sanitation
 3. Proper Manure and Carcass disposal
 4. Overcrowding
 5. Quarantine
 - E. Body defense mechanisms
 - F. Immunity - classified
 - G. Predisposing disease factors
2. Anatomy and Physiology
 - A. Body system and primary system disease
 1. Endocrine
 2. Reproductive
 3. Digestive
 4. Circulatory
 5. Urinary
 6. Respiratory
3. Parasites and Disease of Different Species
 - A. Symptoms, lifecycles and controls
 1. Enteroparasites
 2. Ectoparasites
 3. Species specific disease
4. Restraint
 - A. Restraint types
 1. Passive restraint
 2. Active restraint

OUTCOMES:

Course Objectives

The main concepts for this course will ask students to...

1. Describe the importance of promoting livestock health.
2. Identify career opportunities in the animal health industry.
3. Demonstrate and understand the role animal behavior plays in individual and herd health.
4. Identify the cultural influences that have led to animal health advancements.
5. Identify common diseases and determine appropriate treatment regimen.
6. Differentiate between pathogenic and non-pathogenic disease.
7. Identify environmental factors contributing to disease.
8. Appraise and identify physiological changes which alter susceptibility to various health problems.
9. Name and demonstrate proper use of equipment that humanely confines, treats or protects livestock.
10. Explain basic principles of biosecurity, including disease prevention programs.
11. List regulations of transport for health.
12. Analyze an operational scenario and formulate a preventative program.
13. Have reasonable accommodations made to perform all learning objectives regardless of physical and/or learning disabilities.
14. List common diseases in U.S. livestock production and established control programs.

Institutional Outcomes

1. Use appropriate creative and analytic methods to interpret ideas, solve problems, and present conclusions.
2. Locate, evaluate, and use information from a variety of sources to take action or make a decision.
3. Write coherently and effectively, adjusting to a variety of audiences and purposes, while taking into account others' writings and ideas.

Assignments

Reading:

In a given reading assignment, students will be asked to read chapters from the text book and answer questions, define diseases, and discuss prevention and treatment.

Writing:

In a given writing assignment, students will be required to write a 3 page research paper on a species specific disease and share a presentation with the class. The paper will include proper formatting with correct citations and a reference page.

Homework:

In a given homework assignment, students will be required to define various disease terms, including the treatment and prevention of the disease.

Lab Content:

Students will visually inspect the equine, beef, sheep, and swine barns for sanitation threats. Any and all sanitation problems will be documented, measured and corrected according to the guidelines set forth from the previous sanitation lecture.

TEXTS AND SUPPLIES:

Textbooks may include, but are not limited to:

TEXTBOOKS:

1. Linda Caveney, Barbara Jones, Kimberly Ellis. Veterinary Infection Prevention and Control. 1 ed. Wiley-Blackwell, 2011, ISBN: 978-0813815343

MANUALS:**PERIODICALS:**

MATERIALS FEE: NO

OTHER:

SLO: <http://cos.edu/CO318>

[Outcomes](#)

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