ANSC 4306
Control of Domestic and Wildlife Diseases
Fall 2016

Instructor:
Dr. Jamie Boyd
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Office Hours: M, W, F: 9-11
M, W :1-3
or by appointment

Lecture: TR 11-12:15
Location: RAS 137

Course description: Introduction to the basic principles of epidemiology with special reference to the pathogens of disease in the animal population: description of the role of the animal scientist, veterinarian, and farm manager in managing and controlling disease.

Recommended Text: Merck Veterinary Manual, 11th edition (recommended)

Purpose of the course: The course is designed to introduce students to a basic understanding of common diseases in animals. Content will include the pathology of specific diseases their cause and also treatment.

Student learning outcomes:

1. Understanding common diseases seen in livestock species.
2. Introduction to common diseases of wildlife species in the area.
3. Pathologies and symptoms seen in common diseases.
4. Treatment of diseases discussed as well as vaccination schedules.

Departmental Projected Learning Outcomes:

Student will demonstrate that he/she is able to:

1. Apply livestock management techniques to the care and sustainable management of domestic and captive animals.
2. Demonstrate the basic skills of interpreting information gathered in a research setting.
3. Apply critical thinking skills to deal with potential challenges in diverse animal sciences and related industries.
4. Develop problem solving skills, demonstrate the ability to communicate through written, spoken, and graphical methods.

Assessment measures: At the end of this course, students should have a basic understanding of the concepts and principles of animal anatomy and physiology. Each student's success of achieving these results will be based on a minimal of 60% or better on all exams, quizzes, and other assignments.

Recommendations for Success: In order to succeed in this class, I recommend that you dedicate at a minimum two hours of study time per class hour each week. The material covered in this course cannot be learned adequately in only a couple days, it is cumulative and each day's material will build on the previous day.

Accommodations:
It is the SRSU policy to provide reasonable accommodations to students with disabilities. If you would like to seek any accommodations for this course, please contact Mary Schwartze at the Counseling and Accessibility Services Office: Ferguson Hall 112 phone: (432) 837-8203 as soon as possible to ensure that such accommodations are implemented in a timely fashion

Academic integrity: Students are expected to submit original work without unauthorized assistance. Academic dishonesty, which includes cheating, unauthorized collaboration, plagiarism, fabrication, multiple submissions, and aiding and abetting, will result in a grade of 0 on the work in question. Subsequent instances of academic dishonesty may result in more serious sanctions.
Examinations and grading: The grade you earn is your responsibility! **There will be no extra-credit opportunities.** Your course grade will be based on the following components:

Exams and Quizzes: There will be four exams administered in class throughout the semester. The dates of the exams are noted on the syllabus. The fourth exam will be a comprehensive final exam. There will also be 9 quizzes throughout the semester. Quizzes will be scheduled on a weekly basis. <u>There will be no make-up exams or quizzes without prior approval or a valid doctor's excuse. You must talk to me "live". Voice or email messages are not considered valid excuses.</u>

Case Studies: Case studies will be provided via blackboard. The assignments will contain pertinent information about a pathology of an animal. Students will research the symptoms and provide an explanation as to the potential cause of the pathology and if possible treatment options, survivability and long term prognosis. Responses should be 1-2 pages typed and will be submitted via Blackboard. No email responses will be accepted.

Term Paper: Students will be required to write a 5-10 page scientific term paper on a unique topic of their choice relating to a metabolic or health disorder. There will be several small assignments throughout the course to assist you with the preparation, organization, and completion of the term paper assignment. Additional handouts on assignment requirements, grading criteria, and helpful tips will be provided throughout the semester. Each student will submit a topic, outline with references, rough draft, 2 peer reviews, final draft, summary, and short presentation. Late rough draft and peer review assignments will not be accepted and will result in a zero on these assignments. Late rough drafts will not be peer reviewed and the student will not be able to complete the peer review assignment, resulting in a zero on the assignment.

Journal Writing: Each student will be required to keep a journal to summarize each class session and complete other assignments. Further instructions for journal assignments will be given throughout the semester. Journals will be turned in for review by the instructor on a biweekly basis.

Other Considerations: Exams may include multiple choice, fill in the blank, short answer, identification, diagrams, and matching questions. Common abbreviations for terms may be used on exams, quizzes, and assignments after the abbreviation has been defined by using the complete term once. Cell phones, internet capable watches, and programmable calculators are not permitted during exams or quizzes. This class may include dissections. Students uncomfortable with this concept should speak to me as soon as possible. The final exam is comprehensive (non-negotiable). Due dates for all assignments will be announced in class or on the attached class schedule. **Late assignments will be accepted for 4 days following the initial due date and time with a 20% penalty per day late.**

Points available:

3 1 hour exams (100 pts each)	300 points
8 quizzes (10 pts each)	80 points
Journals	30 points
Other assignments/quizzes (variable points) *	? points
Case Studies (2 @ 50pts each)	100 points
Term Paper and associated assignments	200 points
Final Exam	150 points
Total	**875-? Points**

Grading scale: (% of total class points)
A = 90-100%
B = 80-89.99%
C = 70-79.99%
D = 60-69.99%
F = 59.99% or below

Schedule of class sessions: This information should be treated as an outline. There may be some alterations in the sequence of topics.

Scheduled Weekly Quizzes are indicated below with (*)
Journal Due Date **

Date	**Lecture (Chapter)**
Aug 23	Introduction and Terminology
25	Terminology
30*	Types of Diseases
Sept 1	Immunity
6* **	Immunity
8	Immunity
13	Library Lab-Paper/Review
15	**Exam 1**
20*	Disease Diagnosis and Control
22	
27* **	Management Systems and Disease Control
29	
Oct 4*	Treatment and Control of Disease and Laws
6 **	Shock
11	Lab Class Physical exams/ Review
13	**Exam 2**
18*	Parturition/Newborn Diseases
20	

25*	Digestive/Metabolic Diseases
27**	
Nov 1	
3	**Exam 3**
8	Respiratory Diseases
10**	
15*	Wildlife Diseases
17	
22* **	Class Presentations
24	Thanksgiving!
29	Class Presentations and Review
Dec 5	**10:15-12:15 Final exam**

Dates to Remember:

Monday, Aug 22- First day of classes
Thursday, Aug 25- Last day for schedule changes or late registration
Wednesday, Sept 7- Last day to drop a 16wk class w/o creating an academic record
Friday, Sept 16- Last day to apply for December graduation w/o a late fee
Mon, Oct 31 (midnight)- Case Study 1 due on Blackboard
Friday, Nov 11 (4pm)- Last day to drop a 16wk course with a grade of "W"
Tues, Nov 29 (midnight)- Case Study 2 due on Blackboard
Friday, Dec 9- Fall Commencement 7pm

Instructor's bibliography:

Merck's Veterinary Manual 11th Edition. 2016. Merck & Co., INC.
Veterinary Anatomy and Physiology. A clinical laboratory manual. 2nd edition. 2011. Cochran. Delmar Publishing.
Ruminant Anatomy: A Photo Atlas. 2013. Dunn. Clemson University.
Medical Physiology. Guyton. W.B. Saunders. Publishing