

Department of Animal Science

Spring 2015

ANSC 4306 Control of Domestic and Wildlife Diseases

COURSE NUMBER/TITLE: ANSC 4306 Control of Domestic and Wildlife Diseases

INSTRUCTOR:

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Office: RAS 107

Office Hours: M: 1:30- 4:00

TR: 9:00-11:00; 1:30 – 4:00

If I am in my office, I am available to meet with students at any time.

Students are also welcome to schedule a specific meeting time when we are both available for additional assistance.

TEXT:

Merck Veterinary Manual, 10th Ed.

COURSE OBJECTIVES:

This course is designed to introduce a basic understanding of common diseases seen in domestic and wildlife species. Content will include the pathology of specific diseases their cause and also treatment.

Additionally, a section covering parasites will be discussed.

- 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.
- 5) Introduction to prevalent parasites in livestock and wildlife species.

PROJECTED LEARNING OUTCOMES:

Student will demonstrate that he/she is able to:

1. Recognize and be able to utilize animal breeds from a variety of domestic species
2. Comprehend the role of nutrition in the production of food animals
3. Understand the processes involved in producing meat products from a variety of domestic food animals
4. Select breeding animals using genetic information

GRADING POLICY:

Quizzes (50%) – 100 points each:	500 points total
Discussion Board (10%) – 2 topics – 50 points each:	100 points total
Topic Reflections (10%) – 4 papers – 25 points each:	100 points total
Laboratory (20%) – 4 labs – 50 points each:	200 points total
Participation and Attendance (10%)	100 points total

A= 1000 - 900

B= 899 – 800

C= 799 – 700

D= 699 – 600

F= 599 and below

- 1) **Quizzes** - A total of 5 quizzes will be given throughout the semester, typically following topic section. Each quiz will be 100 points total and will consist of multiple choice, matching and short answer questions. The last quiz of the semester will be comprehensive and will serve as the final.
- 2) **Discussion Board** – Two discussion boards will be posted during the semester A total of two weeks will be allowed for the discussion boards. Students will be required to make a total of 5 posts, consisting of 2 original posts and 3 replies to classmate posts..
- 3) **Topic Reflections** – A total of 4 short articles covering current topics of discussion in diseases will be provided. Students are expected to write a short, opinion paper based on their impressions of the article. This paper should be no longer than one page in length. These topics will be discussed during lecture.
- 4) **Laboratory** – Laboratory exercises will be done and will include participating in vaccinations, deworming, potentially blood draws. Also, case studies will be assigned and discussed in lab.
- 5) **Class participation and attendance** – Students are expected to attend class and participate in class discussions. Attendance and participation in class discussions will be expected in order to receive total points possible.

Reasonable accommodations for students with disabilities:

If you have a disability that may require assistance or accommodation or if you have questions related to any accommodations for testing, not takers, readers, etc, please speak with me as soon as possible.

Tentative Schedule of Weekly Topics: These are subject to alteration if time warrants.

Week of:	Topic covered
Jan 19	Immunity
Jan 26	Immunity
Feb 2	Immunity
Feb 9	Vaccinations and Common Diseases
Feb 16	Parasites
Feb 23	Parasites
March 2	Metabolic Diseases
March 9	Respiratory
March 16	Spring Break
March 23	Pharmacology
March 30	Drug Kinetics
April 6	Drug Action
April 13	Clostridial
April 20	Zoonotic Diseases
April 27	Wildlife Diseases
May 4	Wildlife Diseases