

VS207
Animal Diseases II
3 Credits

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VS207 Version: 5



Animal Diseases II

Calendar Description

This course provides a working knowledge of the common diseases in beef, dairy, sheep, swine, and horses. Emphasis is placed on understanding infectious diseases and their cause, treatment, and prevention. Reportable diseases, parasitic diseases and diseases related to management procedures are also discussed.

Rationale

This course is required for Animal Health Technology students. Understanding the cause of disease and being familiar with the common abnormalities seen in large animals better equips the Animal Health Technologist to assist in a large animal practice and provides better care of the patient.

Prerequisites

[VS110](#)

Co-Requisites

None

Course Learning Outcomes

Upon successful completion of this course, students will be able to

1. describe the common diseases that can be vaccinated for along with the vaccine schedule in cattle, sheep/goats, horses and swine.
2. describe the common bacterial, fungal, and viral diseases with emphasis on the typical clinical signs and effects on all the major body systems in cattle, sheep/goats, horses and swine.
3. describe the common causes and clinical signs of lameness in cattle, sheep/goats, horses and swine
4. explain how improvements in production animal management can reduce the risk of certain disease processes.

5. explain how a reportable disease must be handled with emphasis of involvement from federal veterinarians.
6. describe the common zoonotic diseases transmitted from cattle, sheep/goats, horses, swine, cats and dogs.

Resource Materials

Required Text(s):

None

Reference Text(s):

Holtgrew-Bohling, Kristin. (2016). *Large animal clinical Procedures for Veterinary Technicians* (3rd ed.). St. Louis, Missouri, Elsevier.

Bassert, J. M., Thomas, J. A., & McCurnin, D. M. (Eds.). (2018). *McCurnin's clinical textbook for veterinary technicians* (9th ed.). St. Louis, Mo: Saunders/Elsevier.

Conduct of Course

This course consists of 42 hours of lecture. The lectures discuss the common diseases of each livestock species as well as the theory. Live animal exposure is limited to cases available from the college farm that relate to the lectures being given. PowerPoint lectures with accompanying class notes are utilized to present material and videos illustrating diseases are used if available.

Evaluation Procedures

The final grade is an aggregate of the following components:

Quizzes/Assignments	35%
Midterm Exam	30%
Final Exam	<u>35%</u>
Total	100%

The instructor reserves the ability to hold pop quizzes throughout the semester with no prior notification.

Grade Equivalents and Course Pass Requirements

Letter	F	D	D+	C-	C	C+	B-	B	B+	A-	A	A+
Percent Range	0-49	50-52	53-56	57-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-100
Points	0.00	1.00	1.30	1.70	2.00	2.30	2.70	3.00	3.30	3.70	4.00	4.0

Students must successfully pass or complete the lecture portion of the course with a 60% (C), and the lab portion with a 70% (B-). A mark in the lecture portion of 50-59% is recorded as a 'D'. A mark of 50-69% in the lab portion is recorded as a 'D'. A grade of C (60%) in the lecture and a B- (70%) in the lab portion of this course is required to progress to VS210 Practicum.

Attendance

Classroom and laboratory attendance is considered vital to the learning process and as significant to the students' evaluation as examinations and reports, therefore absenteeism is recorded.

- a. Students having a combination of excused and/or unexcused absence of 20 percent or higher for the scheduled course hours can be required to withdraw and would then automatically receive a "RW" (required withdrawal) for the course, regardless of any other evaluation results. (RW is a failing grade).
- b. An excused absence is one that is verified with your instructor. Verification should be prior to the absence or the next class day following the absence. Verification of the absence may take the form of a note from your doctor/College nurse regarding illness, or a note from another instructor regarding a field trip or other activity, or authorization by your instructor following an in-person meeting. Be sure to contact your instructor and ask what they will require from you as verification for each absence. An unexcused absence is anything NOT verified by the instructor prior to the absence or the next class day following the absence.

NOTE: Any exceptions to the above attendance policy (e.g. timetable conflicts, work-related issues) must be approved in writing by the Department Chair prior to the beginning of the course.

It is the students' responsibility to know their own absentee record.

Normal hours are 8:30 a.m. to 6:30 p.m., with potential for evening courses, exams or extended field trips. Students are expected to be available for classes during these times.

Course Units/Topics

1. Diseases of the Gastrointestinal Tract
2. Diseases of the Musculoskeletal System
3. Diseases of the Respiratory System
4. Diseases of the Urinary and Blood Systems
5. Diseases of the Skin and Eye
6. Mastitis
7. Diseases of the Nervous System
8. Reportable Diseases



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