I. **TITLE:**

Diseases of Livestock

II. **CATALOG DESCRIPTION:**

Description, distribution, transmission, sanitation, prevention, and eradication of common infectious and parasitic diseases of domestic animals; hygienic practices and preventative medicine, with emphasis on transmissible diseases.

Prerequisites: AGR 100

*To receive graduate credit for this course, a student must be admitted to graduate studies prior to registering for the course.*

III. **PURPOSE:**

To provide the student with a general understanding of various diseases found in livestock. The student will obtain a general overview of animal health and clinical diseases.

IV. **COURSE OBJECTIVES:**

The course will include the etiology, clinical signs, diagnosis, treatment and prevention of various diseases. The student will obtain a general overview of animal health and herd health.

V. **CONTENT OUTLINE:**

A. The Etiology of Disease
   1. Introduction to Disease
   2. Introduction to Pathogens
   3. Normal and Physical Exams
   4. Minimizing Disease
   5. Vaccinations
   6. Introduction to Pharmacology

B. Diseases of the Body Systems by Species
   1. Diseases of the Limbs and Soft Tissue
   2. Neurologic Disease
3. Diseases of the Eye  
4. Respiratory System Diseases  
5. Gastrointestinal Diseases  
6. Heart and Circulatory Diseases  
7. Reproductive Diseases  
8. Diseases of the Skin  
9. Parasite Conditions  
10. Nutritional Diseases  
11. Neoplasms  
12. Bioterrorism Threats

VI. **INSTRUCTIONAL ACTIVITIES:**

A. Lecture  
B. Research Paper 3-5 pages on a selected topic  
C. 5+ minute Presentation on the research paper  
D. Examinations

There will be examinations every 2-3 weeks containing 50-100 points per examination. The examinations will be finalized one week in advance so there should be no reason for missing the examinations. If an exam is missed, a comprehensive essay make-up examination will be given the week of finals to be determined by the instructor.

The final will be given as scheduled in the schedule booklet.

Due to the amount of content of material, there will be daily quizzes at the beginning and end of class. There is no chance to make-up missed quizzes.

VII. **FIELD AND CLINICAL EXPERIENCES:**

N/A

VIII. **RESOURCES:**

Supplemental Text:  
*Veterinary Medicine*, by Blood and Henderson  
*Farm Animal Health and Disease Control* by Winkler

Supplemental Reading:  
A. Journal of the American Veterinary Medical Association  
B. Veterinary Medicine  
C. Veterinary Technician  
D. D.V.M.

Outside reading assignments will be given.
IX. **GRADING PROCEDURES:**

Grades will be based on the cumulative scores of the quizzes, hour examinations and final.

Scale:
- 90 - 100 = A
- 80 - 89 = B
- 70 - 79 = C
- 60 - 69 = D
- Below 60 = E

The final grade is calculated by taking the total number of points possible divided into the number earned.

X. **ATTENDANCE POLICY:**

Please refer to the most current copy of the Murray State University’s Undergraduate Bulletin and Graduate Bulletin.

XI. **ACADEMIC HONESTY POLICY:**

Murray State University endorses the intent of all federal and state laws created to prohibit discrimination. Murray State University does not discriminate on the basis of race, color, national origin, gender, sexual orientation, religion, age, veteran status, or disability in employment, admissions, or other provision of services and provides, upon request, reasonable accommodation including auxiliary aids and services necessary to afford individuals with disabilities equal access to participate in all programs and activities.

NOTE: The School of Agriculture Faculty have adopted and implemented an Academic Honesty Policy in addition to the University Honesty Policy, which can be found in the current Undergraduate Bulletin and Graduate Bulletin. The policy sets guidelines regarding acts of dishonesty and the procedure to follow should an event occur. It is each Agriculture student’s responsibility to obtain and read a copy of this document. The School’s Academic Honesty Policy can be obtained by asking for a copy from any Agriculture Faculty member or the Secretary.

XII. **TEXT AND REFERENCES:**

XIII. **PREREQUISITES:**

AGR 100

XIV. **STATEMENT OF AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY:**

Murray State University endorses the intent of all federal and state laws created to prohibit discrimination. Murray State University does not discriminate on the basis of race, color, national origin, gender, sexual orientation, religion, age, veteran status, or disability in employment, admissions, or the provision of services and provides, upon request, reasonable accommodation including auxiliary aids and services necessary to afford individuals with disabilities equal access to participate in all programs and activities. For more information, contact Sabrina Y. Dial, Director of Equal Opportunity, Murray State University, 103 Wells Hall, Murray, KY 42071-3318. Telephone: 270-809-3155 (voice), 270-809-3361 (TDD).

XV. **MSU SCHOOL OF AGRICULTURE CELL PHONE POLICY**

The School of Agriculture recognizes that in today’s world cell phones are a familiar and often necessary form of communication for students.

It shall be the policy of the School that no cell phone usage shall be allowed in class and/or labs without the prior consent of the course instructor. This shall include verbal calling, incoming calls, email, text messaging, and use of cell phone calculators on tests and quizzes.

Cell phones must be kept off and out of sight (i.e. secured to a person’s belt or kept in a bag or purse away from desks and lab counters).

Should a student’s cell phone be visible, ring, or other form of unauthorized usage that is interruptive to the class or lab, the student may be asked to leave class and not return for that class/lab period.

Upon prior consent of the instructor, a student may obtain permission to have their phone on in case of an emergency or in critical family situations.

This policy also includes pagers and other electronic equipment such as blackberries and/or computers/laptops.