I. **TITLE:**

Livestock in Disaster

II. **CATALOG DESCRIPTION:**

This course is designed to increase the student’s awareness of what livestock producers, emergency managers, veterinarians, extension agents, and others can do to prevent and reduce the consequences of disasters. (Fall and Spring)

III. **PURPOSE:**

A. To synthesize the knowledge of livestock farmers and emergency managers and develop a unified approach that will mitigate the impact of disasters on livestock agriculture.
B. To provide an overview of the common causes and typical consequences of disasters.

IV. **COURSE OBJECTIVES:**

A. To develop a working knowledge of the fundamentals of emergency planning for livestock.
B. To provide educational strategies for incorporating livestock care and management in emergency plans.
C. To be able to rank susceptibility to hazards, as well as vulnerabilities to the consequences of disasters.
D. Be familiar with actions that can reduce costs as well as human and animal suffering in disasters.

V. **CONTENT OUTLINE:**

A. Importance of Livestock Agriculture to the United States.
B. The Impact of Disasters on the Livestock Industry
C. Emergency Management in the United States.
D. Summer Storms/Communication Challenges
E. Winter Storms/Infrastructure Failure
F. Fire/Public Health and Safety
G. Hurricanes and Evacuation
H. Landslides and Animal Escape
I. Earthquakes and Hazardous Materials
J. Floods and Farm Waste Spills
K. Intoxication and Carcass Disposal
L. Transportation Accidents and Euthanasia
M. Drought, Heat Stroke and Animal Welfare
N. Disease Outbreak and Public Concern
O. Personal and Local Community Disaster Preparedness
P. State and Federal Disaster Preparedness

VI. INSTRUCTIONAL ACTIVITIES:

A. Homework assignments
B. Lectures
C. Self Motivated Reading Assignments
D. Case Studies
E. PowerPoint Presentations

Exams will be given throughout the semester and one large project will be completed prior to the end of the semester.

VII. FIELD AND CLINICAL EXPERIENCES:

Individual class members will interview a livestock farmer or emergency manager for the purpose of learning about disaster plans involving livestock.

VIII. RESOURCES:

The Federal Emergency Management Agency (FEMA), American Veterinary Medical Association (AVMA), and the United States Department of Agriculture (USDA) websites will be used as resources.

IX. GRADING PROCEDURES:

A. Written examinations – There will be a mid-term exam and a final exam. Exams will count 100 points each.
B. Assignments- there will be weekly assignments on each of the units. Point will vary based on the assignment.
C. Grades – grades will be assigned using the scale as follows:

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<thead>
<tr>
<th>Points</th>
<th>Grade</th>
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<tbody>
<tr>
<td>100-90</td>
<td>A</td>
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<tr>
<td>80-89</td>
<td>B</td>
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<tr>
<td>70-79</td>
<td>C</td>
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<tr>
<td>60-69</td>
<td>D</td>
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<tr>
<td>Below 60</td>
<td>E</td>
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X. ATTENDANCE POLICY:

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

XI. ACADEMIC HONESTY POLICY:

(Adopted by the MSU Board of Regents)
Cheating, plagiarism (submitting another person’s material as one’s own), or doing work for another person which will receive academic credit are all impermissible. This includes the use of unauthorized books, notebooks, or other sources in order to secure or give help during an examination, the unauthorized copying of examinations, assignments, reports, term papers, or the presentation on unacknowledged material as if it were the student’s own work. Disciplinary action may be taken beyond the academic discipline administered by the faculty member who teaches the course in which the cheating took place.

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 University Undergraduate 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:

FEMA’s Emergency Management Institute “Livestock in Disaster”

XIII. PREREQUISITES:

None

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
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.