ANSCI 171 Course Outline as of Fall 2024

CATALOG INFORMATION

Dept and Nbr: ANSCI 171 Title: BEHAVIOR & HUMANE MGMT
Full Title: Livestock Behavior and Humane Management
Last Reviewed: 11/25/2024

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.00	Lecture Scheduled	1.00	17.5	Lecture Scheduled	17.50
Minimum	1.00	Lab Scheduled	0	6	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	1.00		Contact Total	17.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 35.00 Total Student Learning Hours: 52.50

Title 5 Category:	AA Degree Applicable
Grading:	Grade or P/NP
Repeatability:	00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:	
Formerly:	AG 280.65

Catalog Description:
Introduction to livestock behavior and the evolution of behavioral traits. Introduces practical handling concepts and facilities design, to facilitate low-stress methods of livestock management. Explores the benefits of keeping animals calm, including safer working conditions, higher yields of marketable product, better-quality product, and more humane conditions.

Prerequisites/Corequisites:

Recommended Preparation:
Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Schedule of Classes Information:
Description: Introduction to livestock behavior and the evolution of behavioral traits. Introduces practical handling concepts and facilities design, to facilitate low-stress methods of livestock management. Explores the benefits of keeping animals calm, including safer working conditions, higher yields of marketable product, better-quality product, and more humane conditions. (Grade or P/NP)

Prerequisites/Corequisites:
Recommended: Eligibility for ENGL 100 or ESL 100
Limits on Enrollment:
Transfer Credit:
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**Transfer Area**	Effective:	Inactive:

CSU Transfer:	Effective:	Inactive:
UC Transfer:	Effective:	Inactive:

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Student Learning Outcomes:
At the conclusion of this course, the student should be able to:
1. Describe basic ethological principles pertinent to domestic farm animals.
2. Explain how to develop humane livestock handling systems and facilities.
3. Develop animal management practices based on animal behavior to improve animal welfare.

Objectives:
At the conclusion of this course, the student should be able to:
1. Recognize and understand basic terms and concepts of livestock behavior, including the history and science of ethology.
2. Identify and understand the basic processes that shape livestock behavior.
3. Assess the relevance of livestock behavior to humane handling.
4. Apply critical thinking and problem-solving skills to develop humane livestock handling systems and facilities.
5. Develop an understanding of applied animal behavior as it relates to the management and welfare of livestock and poultry

Topics and Scope:

I. Ethology
   A. Principles
   B. Domestication
   C. Ethics
   D. History
II. Animal Handling
   A. Benefits of Humane Handling
   B. Working conditions

C. Handling Facilities
1. Design
2. Location
3. Layout
D. Restraint Practices
E. Transportation

III. Behavior
A. Animal Perception
B. Genetic influence
C. Learned Behavior
D. Stress

IV. Application of Animal Behavior in Management
A. Enrichment
B. Housing
C. Research

Assignment:

1. Read periodicals, handouts, and texts (20 to 30 pages per week)
2. Writing assignments including ethograms
3. Facilities design
4. Quizzes and tests (4-5), mid-term and final exam

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Writing assignments, ethograms	Writing 20 - 20%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Facilities design	Problem solving 40 - 55%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None	Skill Demonstrations 0 - 0%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, True/false, Matching items, Completion	Exams 25 - 40%

Other: Includes any assessment tools that do not logically fit into the above categories.

None	Other Category 0 - 0%

Representative Textbooks and Materials:
Principles of Animal Behavior. 3rd ed. Dugatkin, Lee Alan. W. W. Norton & Company. 2013 (classic)
The Ethology of Domestic Animals (2nd). Jensen, Per. Oxford University Press. 2009 (classic)
Humane Livestock Handling: Understanding Livestock Behavior and Building Facilities for Healthier Animals. Grandin, Temple. Storey Publishing, LLC. 2008 (classic)
Animal Domestication and Behavior. Price, Edward. Cabi. 2002 (classic)
Social Behaviour in Farm Animals. Keeling, Linda and Gonyou, Harold. Cabi. 2001 (classic)