

WAYNE COMMUNITY COLLEGE
ANS 160-01 Animal Waste
Tuesday and Thursday 9:00 –10:20 AM, MAG 223

Instructor Information

Brian Mitchell
Azalea 308
919-735-5151 Ext. 349
brianm@waynecc.edu
Fax: 919-731-2009

Course Description

This course introduces proper animal waste management. Emphasis is placed on waste management practices, environmental laws and issues relating to animal waste, soil and water conservation and dead animal disposal. Upon completion students will be able to calculate proper application rates, apply best management practices, and identify methods of animal waste collection, storage and utilization. Upon completion students will be eligible to take the state certification test to become a Certified Waste Management Systems Operator of Types A and B.

Prerequisite(s)

None

Co-requisite(s)

None

Program Learning Outcomes

The Livestock and Poultry Technology curriculum is designed to prepare students for careers in the production, processing, and distribution of livestock and poultry and their products according to scientific principles essential to efficient and profitable operation.

Students enrolled in this program will:

- Learn skills necessary to operate efficient and profitable livestock enterprises.
- Identify proper production practices, good animal health, proper animal nutrition, good reproduction and management practices.
- Demonstrate the ability to perform calculations needed in the field, use good communication skills and apply personal computer skills to the agriculture industry.
- Demonstrate a fundamental understanding of the humanities and social sciences as they relate locally, regionally and globally.
- Utilize positive interpersonal skills to interact with individuals from diverse groups.
- Utilize principles of critical thinking to analyze problems that occur in the field and make logical decisions as managers to correct them.

Course Learning Outcomes

Outcome I

The student will understand the importance of proper waste management.

Outcome I

The student will learn the legal implications for producers as a result of current regulations.

Outcome III

The student will be able to identify waste collection, handling and storage systems.

Outcome IV

The student will understand how to properly use animal waste and dispose of dead animals.

Required Textbook

Certification Training for Operators of Animal Waste Management Systems
North Carolina Cooperative Extension Service

Other Required Materials

Calculator

Learning/Teaching Methods

Lecture: The course includes lecture and discussion. The student is expected to be familiar with previous lectures presented. The student will be responsible for taking notes and keeping notes and handouts for use in class assignments.

Multimedia: Lectures will be supplemented with videos, presentations, and online information.

Assignments: Students will be responsible for completing all assignments given.

Grading Policy/Criteria

This class will be graded on a ten-point scale.

<u>Scale</u>	<u>Ten-Point</u>
A	90 – 100%
B	89 – 80%
C	79 – 70%
D	69 – 60%
F	Below 60%

Course Requirements / Methods of Evaluation

Students will be graded on the following:

- Examinations = 40%
- Final Exam = 20%
- Homework Assignments = 20 %
- Class Participation, Presentations = 20%

Academic Integrity Statement

Refer to the Student Handbook

The faculty of Wayne Community College recognizes that academic honesty is an integral factor in developing and sharing knowledge. We support the concept of academic honesty, practice academic honesty in our classes, and require academic honesty from our students. WCC students are expected to maintain total honesty and integrity while completing and presenting all academic assignments and examinations. Any student caught violating the WCC Code of Student Academic Integrity Policy, (i.e., cheating, plagiarizing, or other dishonorable acts), in academic work is subject to disciplinary action. Such action may include, but is not limited to, entry of the incident in the records of the Office of Student Development, reduced grades; and dismissal from the College classes, programs, and activities.

Students with Disabilities

Students with disabilities can contact the Disability Coordinator, Mrs. Caroline Smith in the Student Counselors office, room WLC 115 or at 919-735-5152 Ext. 223 or at csmith@waynecc.edu

Non-Discriminatory Statement

Wayne Community College is committed to a policy of providing educational opportunities to all students regardless of economic or social status, beliefs, sexual orientation, national origin, or physical or mental disability.

Student Attendance Policy

We expect students at Wayne Community College to gain skills, competencies and an awareness of a workplace ethic, which emphasizes responsibility and commitment. The college believes students demonstrate responsibility for and commitment to their educational goals through regular attendance; therefore, students must attend 80% of the total hours of any class to receive a passing grade. Instructors will excuse no absences under this policy. If students miss more than 20 percent of the class meetings before the last date for dropping a course they will receive a grade of "W." If students miss more than 20 percent after the last date to drop, instructors will assign the grade of "WF." Programs in Allied Health, Aviation, BLET, Cosmetology and developmental classes have stricter attendance policies than that state here. Students who miss more than 10% of the class meetings will be dropped from the class. Instructors expect students to make up missed work, but students cannot make up absences. Class attendance and participation could mean the difference in a letter grade.

Additional Information From the Instructor/Miscellaneous

1. Phones/Pagers/Beepers

Cell phones, beepers, and walkie-talkies cause unnecessary disruption to the learning/teaching process in the classroom, lab or library setting. Out of courtesy to others, all systems of communication should be in quiet position during instructional, lab or library time.

Course Outline

Week 1 Why Certification Training

Week 2 System Components

Week 3 System Components

Week 4 Waste Management Plans

Week 5 Waste Management Plans

Week 6 Tools for the Plan, Soil Samples

Week 7 Tools for the Plan, Waste Samples

Week 8 Proper Application of Waste Products

Week 9 Proper Application of Waste Products

Week 10 Record Keeping

Week 11 Record Keeping

Week 12 Safety and Emergency Action Plans

Week 13 Consequences of Improper Management

Week 14 Poultry Waste Management

Week 15 Poultry Waste Management

Week 16 Final