

SOUTHEAST COMMUNITY COLLEGE
COURSE SYLLABUS
TRAN-WELDING-AG
Agriculture Management & Production Program
Revision Date: August 2022

I. CATALOG DESCRIPTION

Course Number: AGRI 2219
Course Title Pesticide Certification
Prerequisite(s): None

Catalog Description: Study of the current laws and regulations as they affect the commercial application of pesticides. Serves as preparation for the Nebraska Commercial Pesticide Applicators Examination.

Credit Hours: 2.0
Class Hours: 23
Lab Hours: 23
Total Contact Hours: Total of Class + Lab Hours 46

II. COURSE OBJECTIVES: *Course will:*

1. Introduce the current laws and regulation governing agriculture pesticides
2. Introduce pesticide formulations and calibration
3. Introduce pesticide labeling
4. Introduce pesticide hazards and first aid
5. Introduce personal protective equipment
6. Introduce integrated pest management

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *Student will be able to:*

1. Successfully complete the Nebraska Commercial Pesticide Examination
2. Demonstrate proper pesticide recommendations including
 - a. appropriate pesticides
 - b. appropriate application methods, timing, rates, carryover, etc.
3. Demonstrate a thorough knowledge of the current Federal and State laws as they pertain to pesticide application.
4. Demonstrate proper pest management and control
5. Demonstrate proper utilization of personal protective equipment
6. Demonstrate proper pesticide storage, transport, and spill management

B. GENERAL EDUCATION LEARNING OUTCOMES

GELO #3: Critical Thinking & Problem Solving

Critical thinkers have the ability to evaluate a problem or assumption and determine an appropriate course of action. They use reason and evidence to make judgments and decisions. Critical thinking and problem-solving skills rank highly among employer expectations.

Outcomes:

- 1) Synthesize information to arrive at reasoned solutions to problems.

IV. CONTENT/TOPICAL OUTLINE (course outline may provide more detailed information)

- A. Introduction to pests and pest controls
- B. Agriculture chemical safety, laws and regulations
- C. Pesticide formulations and combinations
- D. Economic planning and financial management
- E. IPM and sustainable agriculture

V. INSTRUCTIONAL MATERIALS

- A. Required Text(s):** Nebraska Pesticide Applicator Certification Core Manual and Agricultural Pest Control – Plant (01)(yellow book)
- B. Supplemental Text(s):** Weeds of Nebraska and the Great Plains, Ne Dept. of Agriculture

VI. METHODS OF PRESENTATION/INSTRUCTION

Methods of presentation typically include a combination of the following:

- a. Introduction to pests and pest controls
- b. Agriculture chemical safety, laws and regulations
- c. Pesticide formulations and combinations
- d. Economic planning and financial management
- e. IPM and sustainable agriculture

VII. METHODS OF EVALUATION

- A. Methods of evaluation typically include a combination of the following:
- B. Grading of examinations, quizzes, and written assignments
- C. Laboratory demonstration and practice
- D. Field demonstration and practice

SCC STANDARD GRADING SCALE POLICY:

A+ 95-100	C+ 75-79
A 90-94	C 70-74
B+ 85-89	D+ 65-69
B 80-84	D 60-64
	F Below 60

VIII. SPECIFIC COURSE REQUIREMENTS:

Student must meet all of the following to receive a passing grade.

- a. Achieve a passing grade of 60% or higher, based on SCC grading scale
- b. Participate in laboratory and outdoor exercises
- c. Submit all examinations and major lab assignments
- d. Participate in the Nebraska Commercial Pesticide Applicators Examination