



One College Drive, Blythe CA 92225
(760) 921-5500

Course Control Number: CCC000556871		
Course Outline Approval Dates		
Modality	Curriculum Committee	Board of Trustees
Face-to-face	4/11/19	5/14/19
Correspondence Ed.		
Distance Ed.		

COURSE OUTLINE OF RECORD

Course Information

Course Initiator: Mary Ann Maxfield			
CB01 - Subject and Course #: AGR 080			
CB02 - Course Title: Pesticide Safety			
New Course: <input type="checkbox"/>		Non-Substantial: <input checked="" type="checkbox"/>	
		Substantial: <input type="checkbox"/>	
Articulation Request: <input type="checkbox"/> UC		<input type="checkbox"/> CSU	
		<input type="checkbox"/> CSU-GE	
		<input type="checkbox"/> IGETC	
Lecture Hours: 18		Laboratory Hours:	
		Clinical/Field Hours:	
CB06/CB07: Course Units: 1.0			
Prerequisites:			
Co-requisites:			
Advisories:			
CB03 - TOP Code:		0101.00 - Agriculture Tech. and Sciences, General	
CB04 - Credit Status:		D - Credit - Degree Applicable	
CB05 - Transfer Status:		C - Not Transferable	
CB08 - Basic Skills Status:		N - Course is not a basic skills course	
CB09 - SAM Priority Code:		C - Clearly Occupational	
CB10 - Cooperative Work:		N - Is not part of Cooperative Work Experience Education Program	
CB11 - Course Classification:		Y - Credit Course	
CB13 - Approved Special:		N - Course is not a special class	
CB21 - Prior Transfer Level:		Y - Not Applicable	
CB22 - Noncredit Category:		Y - Credit Course	
CB23 - Funding Agency:		Y - Not Applicable	
CB24- Program Status:		1 - Program Applicable	
Transfer Request:		C= Non-Transferable	

Please select the appropriate box(s) of the modalities in which this course will be offered, and fill out the appropriate sections for that mode.

- Face-to-Face – Section B
- Correspondence Education – Section C
- Distance Education – Section D

JUSTIFICATION OF NEED:

This is the first of a series of four courses for the Agriculture Crop Science Certificate of Preparation I. Agricultural Crop sciences encompasses the study of plant, soil, and water resources that are foundational to all agro-ecosystems, The crop sciences field can prepare you for a challenging career in many areas including soil and crop management, plant breeding and genetics, seed science, environmental soil science, soil restoration and conservation, international agriculture, and ecosystem management.

CATALOG DESCRIPTION:

Pesticide training for individuals who handle and use chemical pesticides.

COURSE OBJECTIVES:

1. Analyze the benefits of pesticide use and aspects of pesticide.
2. Differentiate the chemical nature of inorganic pesticides, synthetic organic pesticides, living organism pesticides, and plant-derived organic pesticides.
3. Compare and contrast the importance of stomach poisons, contact poisons, systemic poisons, fumigant poisons, and anticoagulant poisons.
4. Develop a video discussing the areas of importance in safety handling, applying, and transporting pesticides.
5. Analyze the steps to safely dispose of pesticides and their containers, including procedures for handling chemical spills and fires.
6. Examine the common procedures that may cause exposure to AG chemicals.
7. Recognize and describe common symptoms of exposure to AG chemicals.
8. Create and design an informative pamphlet about pesticide poisoning.
9. Discover and recognize the importance of labels and labeling AG chemicals as well as MSDS.
10. Identify major areas of importance in the laws and regulations concerning chemical use in agriculture.

STUDENT LEARNING OUTCOMES:

1. Upon course completion, the student will be able to apply the acquired skills and knowledge gained through the course objectives to real-life situations in an agricultural setting by knowing the benefits of pesticides, the dangers of pesticides, and utilizing MSDS sheets.
2. The student will be able to identify a pesticide by its label and demonstrate its uses, needs, dangers, handling, applications, disposal, and safety protocols.

A. COURSE OUTLINE AND SCOPE

1. Outline of topics or content:

1. Pesticide usage.
2. Chemical nature of pesticides.
3. Poisons.
4. Proper handling of pesticides.
5. Proper disposal of pesticides.
6. Exposure to pesticides.
7. Symptoms of poisoning, and treatment.
8. Labels and labeling.
9. Laws and regulations.

2. If a course contains laboratory or clinical/field hours, list examples of activities or topics:

3. Examples of reading assignments:

Reference manuals and users' guides.

4. Examples of writing assignments:

Analysis of readings.

5. Appropriate assignments to be completed outside of class:

Two hours of independent work done out of class per each hour of lecture, or three hours of practicum per unit.

6. Appropriate assignments that demonstrate critical thinking:

Analyze the risks versus benefits of pesticide usage.

7. Other assignments (if applicable):

Check if Section B is not applicable

B. FACE-TO-FACE COURSE SECTIONS:

Face-to-face education

Is a mode of delivery in which instruction is delivered in a traditional classroom setting, with instructor and students located simultaneously in the same classroom facility.

1. Describe the methods of instruction:

Demonstration; discussion; group activities; individualized assistance; lecture; simulation/case study; audio/visual; computer assisted instruction.

2. Describe the methods of evaluating of student performance.

Participation in class activities; analysis essay; oral assignments; quizzes; midterm and final exams.

3. Describe how the confidentiality of the student's work and grades will be maintained.

Instructors shall make reasonable efforts to protect the confidentiality of students' grades and graded work consistent with practices described in the Family Education Rights and Privacy Act (FERPA).

4. If the course has a lab component, describe how lab work is to be conducted and how student work is to be evaluated.

NOTE: Students will be encouraged by instructors of this course to direct themselves to the College's Disabled Students' Programs and Services (DSP&S) department if they believe they have a learning disability.

Check if Section C is not applicable

C. CORRESPONDENCE EDUCATION COURSE SECTIONS (Correspondence, hybrid correspondence)

Correspondence education

is a mode of delivery in which instructional materials are delivered by mail, courier or electronic transmission to students who are separated from the instructor by distance. Contact between instructor and students is asynchronous.

Hybrid correspondence education

is the combination of correspondence and face-to-face interaction between instructor and student.

1. Describe the methods of instruction.

2. Describe the methods of evaluating student performance.

3. Describe how regular, effective contact between the instructor and a student is maintained.

4. Describe procedures that help verify the individual submitting class work is the same individual enrolled in the course section.

5. Describe procedures that evaluate the readiness of a student to succeed in a correspondence or hybrid correspondence course section.

6. Describe how the confidentiality of the student's work and grades will be maintained.

7. If the course has a lab component, describe how lab work is to be conducted and how student work is to be evaluated.

8. If the course requires specialized equipment, including computer and computer software or other equipment, identify the equipment, and describe how it is to be accessed by students.

Note: Students will be encouraged by instructors of this course to direct themselves to the College's Disabled Students' Programs and Services (DSP&S) department if they believe they have a learning disability.

Check if Section D is not applicable

D. DISTANCE EDUCATION COURSE SECTIONS (online, ITV, hybrid)

Online education

is a mode of delivery in which all instruction occurs online via the Internet. Student and instructor access to email and the Internet is required. Students are required to complete class work using email, chat rooms, discussion boards and other instructional online venues.

Interactive television (ITV)

is a mode of synchronous delivery in which instruction occurs via interactive television (closed circuit).

Hybrid instruction

is a combination of face-to-face instruction and online instruction.

1. Describe the methods of instruction.

2. Describe the methods of evaluating of student performance.

3. Describe how regular, effective contact between the instructor and a student is maintained.

4. Describe procedures that help verify the individual submitting class work is the same individual enrolled in the course section.

5. Describe procedures that evaluate the readiness of a student to succeed in an online, ITV or hybrid course section.

6. Describe how the confidentiality of the student's work and grades will be maintained.

7. If the course has a lab component, describe how lab work is to be conducted and how student work is to be evaluated.

8. If the course requires specialized equipment, including computer and computer software or other equipment, identify the equipment, and describe how it is to be accessed by students.

Note: Students will be encouraged by instructors of this course to direct themselves to the College's Disabled Students' Programs and Services (DSP&S) department if they believe they have a learning disability.

E. REPRESENTATIVE TEXTBOOKS AND OTHER READING AND STUDY MATERIALS:

List author, title, and current publication date of all representative materials.

Bhomont, B. L. (2006). The standard pesticide user's guide (7th ed.). Upper Saddle River, NJ: Prentice Hall or most recent edition

Marer (2000). The safe and effective use of pesticides (2nd ed.). University of California, publication 3324 or most recent edition

Pesticide Safety (2006). A reference manual for private for private applicators (2nd ed.). University of California, publication 3383 or most recent edition

SIGNATURES

COURSE INITIATOR: _____

DATE: _____

DIVISION CHAIR: _____

DATE: _____

LIBRARY: _____

DATE: _____

CHAIR OF CURRICULUM COMMITTEE: _____

DATE: _____

SUPERINTENDENT/PRESIDENT: _____

DATE: _____