BARTON COMMUNITY COLLEGE
COURSE SYLLABUS

I. GENERAL COURSE INFORMATION

Course Number: AGRI 1105
Course Title: Crop Protection
Credit Hours: 3
Prerequisites: None
Division/Discipline: Workforce Training & Community Education/Agriculture degrees and Crop Protection certificates
Course Description: This course is designed for students needing an understanding of the principles and practices related to the management of weeds, diseases, and insects in crop protection. This course emphasizes IPM (Integrated Pest Management) as the foundation of pest management. Special emphasis is placed upon preparing students to pass the Kansas Commercial Applicator's License for pest control.

II. IINSTRUCTOR INFORMATION

III. CLASSROOM POLICY

Students and faculty of Barton Community College constitute a special community engaged in the process of education. The college assumes that its students and faculty will demonstrate a code of personal honor that is based upon courtesy, integrity, common sense, and respect for others both within and outside the classroom.

The College reserves the right to suspend a student for conduct that is detrimental to the College's educational endeavors as outlined in the College Catalog.

Plagiarism on any academic endeavors at Barton Community College will not be tolerated. Learn the rules of, and avoid instances of, intentional or unintentionall plagiarism.

Anyone seeking an accommodation under provisions of the Americans with Disabilities Act should notify Student Support Services. Additional information about academic integrity can be found at the following link: http://academicintegrity.bartonccc.edu/

IV. COURSE AS VIEWED IN THE TOTAL CURRICULUM

This course is part of the curriculum designed for students to gain proficiency in the area crop production, specifically integrating the techniques and principles involved in IPM. The primary focus is to prepare students to successfully complete the Commercial Applicator's Exam and be employable in the crop protection industry. The course is required for all Crop Protection students and as an elective for Agricultural Business Management. This course also fulfills the requirement as an elective for the A.S. in Agriculture, however, transfer credit to four-year institutions varies based on the institution's requirements.

V. ASSESSMENT OF STUDENT LEARNING

Barton Community College is committed to the assessment of student learning and to quality education. Assessment activities provide a means to develop an understanding of how students learn, what they know, and what they can do with their knowledge. Results from these various activities guide Barton, as a learning college, in finding ways to improve student learning.

Core Outcomes, Competencies, and Supplement Competencies

A. Acquire the requisite technical skills and knowledge necessary to obtain the appropriate license to apply restricted use pesticides in Kansas.
   1. List the requirements for Commercial and Private Pesticide Applicators in Kansas and for businesses commercially applying pesticides.
   2. List, define, describe and demonstrate the proper pest control methods using the materials prescribed by the State of Kansas for the commercial application of pesticides. This includes but is not limited to the following:
      a. Agricultural pests and control methods.
      b. Pesticide formulations
      c. Environmental quality and pollution.
      d. Application equipment.
      e. Pesticide safety.
      f. Application equipment calibration
      g. Federal and state laws and regulations
      h. Pest control terminology
      i. Integrated Pest Management (IPM).
      j. IPM in field crops.
      k. Insect and mite pests of fruit crops.
      l. Vegetable crop pests.
      m. Crop plant diseases.
      n. Weed management in field crops.
      o. Pasture and rangeland weed control
B. Properly and safely use pesticides in an agricultural environment.
   1. Accurately use a pesticide label to determine pests controlled, use rates, personal protective equipment needed and environmental precautions.
   2. Demonstrate the ability to accurately determine rates and amounts of chemicals used in crop protection as well as other relevant agricultural mathematics.
   3. List and define the modes of actions of common pesticide classes.
C. Use materials to properly and accurately identify pests to properly and safely manage them.
   1. Demonstrate the proper use of pest identification materials to accurately identify common agricultural pests.
   2. After properly identifying pests, accurately determine the appropriate control method.

VI. INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS

VII. TEXTBOOKS AND OTHER REQUIRED MATERIALS

VIII. REFERENCES

IX. METHODS OF INSTRUCTION AND EVALUATION

X. ATTENDANCE REQUIREMENTS

XI. COURSE OUTLINE