

# College of Science and Engineering Technology

Department of Agricultural Sciences

## COURSE SYLLABUS

### **PLSC 4397 – Integrated Pest Management**

3 credit hours (3-0 Format)

Spring 2018 semester

**LOCATION/TIME:** Tuesday & Thursday, 9:30 a.m. – 10:50 a.m., Pirkle 210 A

**INSTRUCTOR:** Robert A. Lane, Professor  
Pirkle 450A, phone 294-1225  
e-mail: [blane@shsu.edu](mailto:blane@shsu.edu)  
Office hours: See schedule on office door. E-mail for alternate appointment.

**TEXT:** All PowerPoint presentations used in lecture will be made available through BlackBoard either before or while the lecture is being presented in class. You should take adequate notes in class to supplement these materials. Recording of lectures is acceptable and even recommended. Readings and additional study from various sources will be assigned, both in class and through announcements on BlackBoard. You are expected to keep up with all assignments. You are also expected to use the internet to find additional information related to the subjects being discussed in class.

**COURSE OBJECTIVES:** Upon completion of this course, students should be capable of identifying major insect, weed, disease, and other pests of agricultural significance and around the household. They should also be familiar with common methods of pest control including sanitation, cultural practices, biological and chemical techniques among others. Knowledge of safe handling and proper storage of pesticides is imperative.

### **COURSE OUTLINE:**

- I. Introduction, History and Principles of Pest Management
- II. Insects and mites
  - A. Insect/mite classification and identification
    1. Plant feeders
    2. Animal feeders
    3. Household pests
  - B. Control methods
    1. Cultural
    2. Biological
    3. Chemical

- III. Weeds
  - A. Weed identification and classification
  - B. Control methods
  - C. Herbicide resistance mechanisms and prevention
  - D. Plant Defoliant and Desiccants
- IV. Plant diseases
  - A. Disease causing organisms and identification
  - B. Host plant resistance
  - C. Fungicides, bactericides, algicides and disinfectants
- V. Other common pests – identification and management
  - A. Mollusks and nematodes
  - B. Mammals
  - C. Birds
  - D. Fish
- VI. Toxicity and Hazards of Pesticides
- VII. Safe Handling and Storage of Pesticides

#### **COURSE EVALUATION:**

Two hourly exams plus the final will comprise 70% of the student's grade. The three exams will cover approximately the same amount of material and will carry equal weight. Of the remaining thirty percent, 15% will be derived from completion and performance on out-of-class assignments, short quizzes and various other assignments, while the other 15% will be derived from completion of a Wiki Page assignment. Instructions will be given later.

<b>Percentage</b>	<b>Item Description</b>
70%	Exams <ul style="list-style-type: none"> <li>• Exam 1</li> <li>• Exam 2</li> <li>• Exam 3 (Final Exam)</li> </ul>
15%	Assignments <ul style="list-style-type: none"> <li>• Identification quizzes</li> <li>• Reading quizzes</li> <li>• Class assignments</li> <li>• Case studies</li> </ul>
15%	Completion of a new Wiki Page and editing of existing page
<b>100 %</b>	<b>Total Grade</b>

**\*\*\*Students taking this course for graduate credit will be required to conduct an independent research project. Consult with the instructor for details.**

## **MAKEUP POLICY**

There will be no makeups for missed assignments. Lecture exam makeups will be administered at the end of the semester, but only with a valid and verifiable excuse.

## **RECOMMENDED OR REQUIRED READINGS:**

Reading assignments covering materials on the internet or electronic references will be made regularly. Students are expected to keep up with readings and will be held responsible for them on examinations.

## **ATTENDANCE POLICY**

Regular and punctual class and lab attendance are expected. My attendance policy will be in accordance to that established by the university. Attendance will be recorded daily. Please do not make a habit of arriving to class late.

## **ACADEMIC DISHONESTY:**

All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials. For a complete listing of the university policy, see:

<http://www.shsu.edu/administrative/faculty/sectionb.html#dishonesty>

## **STUDENT ABSENCES ON RELIGIOUS HOLY DAYS POLICY:**

Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. Section 51.911 (a) (2) defines a religious holy day as: “a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20...” A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.

University policy 861001 provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe (a) religious holy day(s) shall present to each instructor involved a written statement concerning the religious holy day(s). The instructor will complete a form notifying the student of a reasonable timeframe in which the missed assignments and/or examinations are to be completed. For a complete listing of the university policy, see:

[http://www.shsu.edu/~vaf\\_www/aps/documents/861001.pdf](http://www.shsu.edu/~vaf_www/aps/documents/861001.pdf)

## **STUDENTS WITH DISABILITIES POLICY:**

It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the University. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance are expected to visit with the Office of Services for Students with Disabilities located in the Counseling Center. They should then make arrangements with their individual instructors so that appropriate strategies can be considered and helpful procedures can be developed to ensure that participation and achievement opportunities are not impaired.

SHSU adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Counseling Center and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: No accommodation can be made until you register with the Counseling Center. For a complete listing of the University policy, see:

[http://www.shsu.edu/~vaf\\_www/aps/811006.html](http://www.shsu.edu/~vaf_www/aps/811006.html)

#### **VISITORS IN THE CLASSROOM:**

Only registered students may attend class. Exceptions can be made on a case-by-case basis by the professor. In all cases, visitors must not present a disruption to the class by their attendance. Students wishing to audit a class must apply to do so through the Registrar's Office.

#### **CELL PHONE USAGE:**

Unless one is expecting an urgent call or communication, I expect cell phones to be silenced and put away during class/lab. I consider text messaging and other means of communicating with others while class is in session to be distracting and disrespectful. If an urgent contact is expected, please let me know before class. Inattention to this request may result in expulsion from class.