

**IMPERIAL VALLEY COLLEGE
COURSE SYLLABUS
FALL 2013**

DR. Patrick S. Pauley

Division: Science, Math & Engineering
Course Title: Plant Protection & Integrated Pest Management
Lecture Hours: 3
Building: 2700
CRN: 10042
Office hours MW 0700-0800 TTh 0700-0830 **or by Appointment**

Course Number: AG 260
Credit Units: 3
Class Days: MW
Location: 2732
Time: 835-1145 Lec/Dis

Course description:

This course provides a working knowledge of the identification of pests including arthropods, rodents, and plant diseases. Discussion will also address beneficial arthropods and other biological relations within crop systems. The course will explore methods of maintaining pest and resultant damage to a level at or below what is economically acceptable through the use of biological, cultural, and chemical methods. Additional focus will be on laws and safety requirements that are specific to California for recommendation and use of pesticides and spray equipment.

Measurable course objective and minimum standard for grade of C:

Student will:

- Identify ecological principles as they apply to pest management;
- Identify the Integrated Pest Management (IPM) Concept;
- Understand pests;
- Learn management methods for IPM programs;
- Understand the role that light plays in plant growth and energy storage;
- Develop an understanding of monitoring and decision making guidelines;
- Set up monitoring programs and field trials;
- Understand health and environmental concerns;
- Understand natural enemies as allies;
- Understand natural enemies of plant pathogens;
- Understand natural enemies of nematodes;
- Understand natural enemies of weeds;
- Understand enemies, parasites, predators, & pathogens of arthropods;
- Develop a working knowledge of regulations, rules, and laws pertaining to pest control professionals.

Required material:

IPM in Practice principles and methods of integrated pest management.

ANR University of California Publication 3418

Natural Enemies Handbook the illustrated guide to biological pest control

ANR University of California Publication 3386

Pesticide Safety a reference manual for private applicators 2nd edition

ANR University of California Publication 3383

Instructor's information:

Email: patrick.pauley@imperial.edu

Attendance policy:

1. Class attendance and tardy policy follows the regulations in the IVC catalog.
2. Student may be automatically dropped after a total of 7 hours of absent from the lecture and/or laboratory unless a written petition to justify absences is approved by the instructor. A repeat of the above will result in permanent removal from the roll. We are required by federal regulations to report drops to the veteran and financial aid official.
3. You are responsible to drop before any deadline.
4. It is your responsibility to obtain notes and work assignments from a classmate and study them to understand. If class notes and text do not provide sufficient explanation, please call to see the instructor during office hours or make an appointment.
5. You should come to class prepared to be an active participant in the learning process. Enhanced learning occurs through interaction with others.
6. It is your responsibility to make an appoint with the instructor if you have concerns about your progress in the class.
7. It is your responsibility to complete a DROP REQUEST if you are withdrawing from the class.
8. Absence from any class will result in deduction of 5 points

Other school policies:

1. No food or beverage allowed in classroom.
2. No children allowed in classroom.
3. All the electronic devices need to be turned off or in the quiet mode if not being used expressly for this course i.e.: taking notes on an "i-device".
4. Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. DSP&S, Room 2117, Health Science Building (760)355-6312.

Exams and grading procedures:

1. There will be 2 written examinations each worth 150 points. No make ups. (Total 300 points)
2. Project. (Total 200 points)
3. Paper 100.
4. Attendance 50

Assignments turned in late will not be accepted, they can, however, be turned in early.

Total Possible Points: 650

Grading scale: A: Above 90%
 B: 80-89%
 C: 70-79%
 D: 60-69%
 F: below 60%

Interaction with instructor and other students is an integral part of the learning process. However, you must personally complete the assignments. All work submitted for grading must be your own.

Institutional Student Learning Outcomes: **ISLO1** = communication skills; **ISLO2** = critical thinking skills; **ISLO3** = personal responsibility; **ISLO4** = information literacy; **ISLO5** = global awareness

Course Student Learning Outcomes: upon completion of this course, the student will be able to: Demonstrate a working knowledge and understanding of the processes involved in mitigating crop damage and commodity loss to insect and other pest organisms.