AG-170
(Principles of Entomology)
Fall 2013

Instructor: Dr. B. Singh
Schedule: M- T-W 5:30pm-6:45pm, 6:55pm-9:00pm
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Course Description: This course provides a working knowledge of principle of classification, identification , anatomy, physiology, ecology, management and collecting of arthropods(i.e., insects ,spiders ,mites,etc.)with emphasis on those of importance to agriculture in CA and with special refrence to Imperial Valley . Laboratory activities will be used in conjunction with lecture and class discussions.This will include collection & study of the major insects of field and vegetable crops grown in the United States.

Required Text: *Entomology and Pest Management by Larry P. Pedigo @ Marlin E. Rice. Pearson Publications*

Course Outline/Topics:

- Introduction to course , importance of entomology and basics of Insect science.
- Learn principles of classification and identification of insects.
- Understand the anatomy and physiology of arthropods, insects ,spiders ,mites,etc.
- Study importance of insect & ecosystem interactions
- Identify major insects of agronomic, grain, orchards and forage crop species important to the United States in general and the Imperial Valley in particular.
- Identify the harmful effects of poisonous insects and their prevention
- Learn the role of IPM and its importance in management of pests.
- Understand the different options for prevention and control of insects
- Understand the proper and safe use of the pesticides in respect to CA laws
- Learn to read, understand, interpret and apply the information contained in research reports

SLO's for Course

1. Identify, link and report common pests to the crop and type of damage (ILO1, ILO2, ILO4).
2. Prepare mounted specimens and label according to discipline protocol (ILO1, ILO2, ILO4).
3. Identify and discuss interrelations between host crop, pest insect & beneficial insects (ILO1, ILO2, ILO4)

Methods of Evaluation:

- Grades are based on class participation, attendance, assignment completion, quizzes and tests throughout the semester. All material

presented in the text, handouts, visual presentations and guest speakers will be included in the process.

- **Assignments turned in late will <u>not</u> be accepted**, they can, however, be turned in early.
- No eating or drinking when class in session (water is fine).
- **There will be NO make-up tests given.**

Attendance and Class Policies:

Regular attendance in all classes is expected of all students enrolled. Instructors are required to include a students' attendance record in computing grades. A student may be excluded from further attendance in a class during a semester when absences, after the close of registration, have exceeded the number of units for the class.

You should come to class prepared to be an active participant in the learning process. Enhanced learning occurs through interaction with others.

It is your responsibility to make an appointment with the instructor if you have concerns about your progress in the class.
It is **<u>Student's responsibility</u>** to complete a DROP REQUEST if you are withdrawing from the class.

You are considered TARDY if you arrive in class after roll has been called. Three tardies constitute once absence. A tardy is valued at 2 points, and an absence is valued at 6 points.

Assignments: Each student will be required to keep a class notebook which will include laboratory class notes and handouts. Points will be awarded for completeness and neatness.

Exams & Quizzes: Quizzes as needed ("pop") 10 points each, midterm & final exams worth 100 100, & 100 points respectively.Exam points are flexible to overall class performance

Grading (Points):

Attendance	30
Exams & Quizzes	300
Laboratory Exercises	70
Special projects	50

A <u>≥</u> 90%
B= 80 -89%
C= 70-79%
D= 60-69%
F=59% and below