

## **ENY 4230, Urban Pesticide Application, 3 Credits** Distance

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**Office Hours:** 8:00-5:00 weekdays

**Course Description:** This course is to give the student practical experience in use of pesticides in urban environments. Students will have the opportunity to see certain pest management problems and how they are handled by professional pest managers. Students will also get experience in selecting and applying appropriate control methods.

**Registration:** You must contact the instructor at least 2 months before registering for this course. Registration is contingent on the instructor being able to arrange for you to get practical experience with a local pest management firm.

**Credits:** 3 credits

**Prerequisite or Corequisite:** ENY 3005C, Principles of Entomology

### **Course Objectives:**

1. Recognize infestations and damage caused by urban pests.
2. Learn to evaluate the need for pesticide application.
3. See signs, symptoms, and damage caused by urban pest infestations.
4. Learn the basics of pesticide safety.
5. Learn various methods of pesticide application.

### **Course Format:**

Students will be required to schedule 9 hours (3 hours of time for every 1 credit) of hands-on experience weekly with either Campus Pest Control or a local pest control company. Coordination of student's participation with pest control facilities will be handled by the instructor. However, students will be responsible to schedule arrival and departure times directly with the local pest control supervisor. The supervisor will assign an employee to accompany the student on pest control routes and problem calls. The employee will have primary responsibility for the route or problem call, but the student will participate in diagnosis and treatment of pest problems that occur during the semester. Evaluation of the student will be by the instructor who will receive input from the pest control supervisor about attendance, cooperation, participation, and initiative. The student will be required to submit a report of their activities, procedures, and pest problems encountered, and well as a summary of corrective actions for each type of pest.

**Text Books:** Koehler, P. G. and R. Belmont. 1997. Basic Pesticide Training. Florida Cooperative Extension Service, Gainesville, FL. 75 pp. (available from IFAS Publication Office).

Koehler, P. G, W. H. Kern and R. Pereira. 2008. General Household Pest Control, 2<sup>nd</sup> ed.. Florida Cooperative Extension Service, Gainesville, FL. 254 pp. (available from IFAS Publication Office).

**Required Equipment:** The following items are needed for this course:

- calculator
- pocketknife
- hand magnifying lens
- vials and alcohol for preservation of specimens

**Report of Activities:** Students will be required to submit a written report of activities accomplished during the internship. The report should be a sampling of situations encountered and should include pictures of infestations, identification processes, equipment, and treatment.

**Grades:** This course will have no written examinations. Grades will be based on:

- Weekly evaluations (14) of performance– 80%
  - Attendance (0- poor to 1.0 excellent),
  - Cooperation (0- poor to 1.0 excellent)
  - Participation (0- poor to 1.0 excellent)
  - Initiative (0- poor to 1.0 excellent)
  - (Points will be totaled and percentage rating calculated)
- Written report of activities– 20%

**Grade scale will be:**

- 94-100 A
- 90-<94 A-
- 87-<90 B+
- 83-<87 B
- 80-<83 B-
- 77-<80 C+
- 74-<77 C
- 70-<74 C-
- 67-<70 D+
- 64-<67 D
- 60-<64 D-
- <60 E

**Use of Pesticides:** Students may have to pass a respiratory capacity test in order to wear personal protective equipment for pesticide application. A pesticide applicators license is not required; students will work under direct supervision of a licensed pest control operator.

**E-mail:** Each student must have an active email account. *The University of Florida requires that you obtain a student ID # and a Gatorlink email account as part of your registration process.* The instructor may post class notices to your Gatorlink email account. While many of you already have independent email accounts, you must also obtain a University of Florida Gatorlink email account for use as a registered student. *Please send the instructor an email message as soon as you have successfully registered for this course.*

**Academic Honesty:** As a result of completing the registration form at the University of Florida, every student has signed the following statement: “I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University”.

*We, the members of the University of Florida, pledge to hold ourselves and peers to the highest standards of honesty and integrity.*

**UF Counseling Services:** Resources are available on campus for students having personal problems or lacking clear career and academic goals which interfere with their academic performance. These resources include:

1. University Counseling Center, 302 Peabody Hall, 392-1575 personal and career counseling
2. Student Mental Health, Student Health Care Center, 392-1171, personal counseling
3. Sexual Assault Recovery Services, Student Health Center, 392-1161, sexual counseling
4. Career Resource Center, Reitz Union, 392-1601, career development assistance and counseling

**Software Use:** All faculty, staff and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damage and/or criminal penalties for the individual violator. Because such violations are against University policies and rules, disciplinary action will be taken, as appropriate.

**Information for Students with Disabilities:** Students with disabilities are encouraged to register with the Office for Student Services to determine the appropriate classroom accommodations. Any student requesting classroom accommodations must be registered with the Dean of Students Office, P202 Peabody Hall, 392- 1261(TDD - 392-3008), and have documentation on file in the office of Student Services in order to receive classroom and/or examination accommodations. For students with hearing disabilities trying to

contact an office that does not list a TDD, please contact the Florida Relay Service at 1-800-955-8771.

**UF Policy on E-mail:** “Official University business email will be communicated to students using the University GatorLink email account. That is, official email will be sent exclusively to GatorLinkUserName@ufl.edu. The preferred email address recorded for all students will be the GatorLink address. This is the email address displayed in the online phonebook. Students may continue to use the forwarding mechanism to deliver their email to other mail services, if they wish. However, it is the student’s responsibility to insure that the forwarding address is current so that they receive official communications from the University”.

**Plagiarism:** Plagiarism is a serious problem in academia today, especially with the ease of obtaining information from the World Wide Web. Plagiarism is defined as representing the words or ideas of another person as one’s own, without attribution to the source. All words and ideas must be attributed to a source unless they are considered common knowledge (i.e., widely known by many people and found in many different sources). There are many kinds of plagiarism, as you will read on the Guide to Plagiarism website referenced below.

Plagiarism is unethical, unacceptable in science, and prohibited by the UF Student Honor Code (<http://www.dso.ufl.edu/sccr/honorcodes/honorcode.php>). The consequences for plagiarism while at the University of Florida range from receiving a grade of zero for the plagiarized assignment or a failing grade for the course, to, for repeated offenses, expulsion from the university. Plagiarism after graduate training calls into question one’s scientific integrity and can lead to banning of publication in journals and the loss of jobs/careers.

In some countries, it is an acceptable practice to write in a manner that faculty members at the University of Florida consider to be plagiarism. Students studying in our university and with plans to publish their research in the English language need to know what plagiarism is and how to avoid it.

Students who plagiarize will be caught and consequences will be applied. I check all written assignments using an anti-plagiarism software called Turnitin® (<http://www.at.ufl.edu/~turnitin/about.html>). Students who plagiarize will receive a grade of zero on the assignment. The second instance of plagiarism in the course will result in an automatic failing grade in the course.

For further information and examples of plagiarism, I strongly suggest that you please read the George Smathers’ Library Guide to Plagiarism <http://www.uflib.ufl.edu/msl/07b/students.html>.

Please understand that our purpose in bringing to your attention the matter of plagiarism is to help train you to be ethical scientists, not to impugn your character.