

ENY 4230, Urban Pesticide Application, 3 Credits

Distance: Fall 2020

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Course Description: This course is to give the student practical experience in application of pesticides in urban environments. Students will have the opportunity to see certain pest management problems on campus or in residences. Students will also select and see 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. Gain practical experience in urban pesticide application.

Course Format:

Students will be required to schedule 6 hours (2 hours of time for every 1 credit) of hands-on experience weekly with either Campus/Housing 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 document their 135 site treatments on FDACS 13653 form: <http://forms.freshfromflorida.com/13653.pdf> of 45 sites for each of L&O, GHP,

and WDO category of certification. These forms must be signed by the licensed pest control operator and submitted for a grade at least before the last regular day of class.

Text Books: EPA. 2016. Applying Pesticides Correctly: A Guide for Pesticide Applications. IFAS SM-1 (available from IFAS Publication Office).

Koehler, P. G, R. Pereira W. H. Kern, and R. Baldwin. 2019. General Household Pest Control, 3rd ed.. Florida Cooperative Extension Service, Gainesville, FL. 286 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

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

- Weekly evaluations (14) of performance— 60%
 - 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)
- Caption photos of 15 jobs that meet the course objectives—20%
- Documentation of 135 jobs on FDACS Form 13653:
<http://forms.freshfromflorida.com/13653.pdf>— 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.

Grades and Grade Points

For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>.

Attendance and Make-Up Work

Requirements for class attendance and make-up exams, assignments and other work are consistent with university policies that can be found at:

<https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>.

Online Course Evaluation Process

Student assessment of instruction is an important part of efforts to improve teaching and learning. At the end of the semester, students are expected to provide feedback on the quality of instruction in this course using a standard set of university and college criteria. Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals.

Guidance on how to give feedback in a professional and respectful manner is available at:

<https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via

<https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at: <https://gatorevals.aa.ufl.edu/public-results/>.

Academic Honesty

As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: *"We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity."* You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: *"On my honor, I have neither given nor received unauthorized aid in doing this assignment."*

It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks (e.g. assignments, papers, quizzes, exams). Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated.

Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: <http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code>. ed in this course.