

ENY 4230: Urban Pest Management Internship 3 Credits



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Course Description: This course is to give the student practical experience in integrated pest management techniques, including identification, inspection, exclusion, proper application of pesticides, and IPM program evaluation in urban environments. The internship-based course will pair a student with a certified pest management professional to feature pest situations in residential areas. The course will allow for synthesis and application of previous course work in a practicum that covers IPM of General Household Pests, Wood Destroying Organisms and Lawn and Ornamental Pests. During the course of the semester, students will gain experience in a minimum of 135 pest management jobs, 45 in each category.

Registration: You must contact the instructor at least 2 months prior to semester registration. Registration is contingent on the availability of a certified pest management partner for the practicum. Registration must be completed through an academic advisor.

Credits: 3 credits

Prerequisites or Corequisites: ENY 3225C Principles of Urban Pest Management,
Recommended: ENY 3222C Biology and Identification of Urban Pests, and ENY 3510C Turf and Ornamental Entomology

Course Objectives:

1. Recognize infestations and damage caused by urban pests.
2. Evaluate the need for pesticide application in the urban environment.
3. Identify signs, symptoms, and damage caused by urban pests.
4. Understand the basics of pesticide safety.
5. Gain practical experience in urban pesticide application.
6. Work as a team to establish a schedule and communicate goals.

Internship Course Format:

Students will be required to schedule 6-9 hours (Minimum of 2-3 hours of time for every 1 credit hour) of hands-on experience weekly with a certified pest control operator. Initial coordination of student's participation with a certified pest control operator will be handled by the instructor. However, students will be responsible to schedule arrival and departure times directly with the local pest control supervisor once the semester begins. 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 use their IPM knowledge to participate in diagnosis and treatment of pest problems that occur during the semester internship. 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> . This includes 45 sites attended for each of L&O, GHP, and WDO areas of certification. Please follow the instructions listed on the Canvas homepage. These forms must be signed by the licensed pest control operator and submitted for evaluation before the due date listed in Canvas. The form must be completed with all jobs for each category in order to receive the letter of completion for the program as well as a grade for the internship. Upon successful completion of the coursework, the letter of completion will accompany the FDACS application and 13653 form if the student wishes to obtain a pest control license in the state of Florida.

Note:

In Canvas, you will be prompted to submit a mid-term evaluation in which you will answer a series of questions about your experience. You will also submit a photo journal and the completed FDACS 13653 form. The internship partner will provide commentary on the attendance, cooperation, participation, and initiative of the student enrolled in ENY4230.

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



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 Books).



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

- PPE (generally provided by certified operator)
- Transportation for the duration of the internship
- Clothing appropriate for the job (in accordance with the label)
- calculator
- pocket knife (optional)
- hand magnifying lens/device
- vials and alcohol for preservation of specimens (optional)



Grades: Intern Partner will use the following rubric to evaluate participation, attendance and initiative.

- Evaluations (of performance– 100 points (16%))

- Attendance (0- poor to 5 excellent),
- Cooperation (0- poor to 5 excellent)
- Participation (0- poor to 5 excellent)
- Initiative (0- poor to 5 excellent)

(Survey to be completed by internship partner,

https://ufl.qualtrics.com/jfe/form/SV_0D05DaOiL39hUoK.

-Proper Documentation of 135 jobs (3 categories with 45 for each) on FDACS Form 13653: (<http://forms.freshfromflorida.com/13653.pdf>)– 200 points (34%)

- Photo Journal/Reflection 100 points (16%)

- Mid-Term Progress Report 100 points (16%)

- Start of Semester Planning Meeting and Communication Exercise 100 points (16%)

- Syllabus Questions on Zoom 10 points (2%)

Grading scale:

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

Grades are not rounded.

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, but students will work under direct supervision of a licensed pest control operator. Students must read and follow the pesticide labels and are expected to have knowledge of the products being used on the job site being documented on the FDACS form. PPE use is according to the pesticide label and is required by the label.

UF POLICIES - If you are having difficulties in class, please make an appointment to see me, or if appropriate, call one of the counseling services below. Please do not wait until the end of the semester!

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 in Canvas. 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>.

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 damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

Services for Students with Disabilities

The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to

the student who must then provide this documentation to the Instructor when requesting accommodation

0001 Reid Hall, 352-392-8565, <https://disability.ufl.edu/>

Campus Helping Resources

Students experiencing crises or personal problems that interfere with their general well-being are encouraged to utilize the university's counseling resources. The Counseling & Wellness Center provides confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.

- *University Counseling & Wellness Center, 3190 Radio Road, 352-392-1575, www.counseling.ufl.edu*
Counseling Services Groups and Workshops Outreach and Consultation Self-Help Library
Wellness Coaching
- U Matter We Care, www.umatter.ufl.edu/
- *Career Connections Center, First Floor JWRU, 392-1601, <https://career.ufl.edu/>. Student Complaints:*
 - Residential Course: <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>.
 - Online Course: <http://www.distance.ufl.edu/student-complaint-process>
Additional information
Instructors may choose to clarify in their syllabus their teaching philosophy, expectations for classroom behavior, utilization of e-learning, and other information that will help students succeed in the course.

Distance Education - Each online distance learning program has a process for, and will make every attempt to resolve, student complaints within its academic and administrative departments at the program level. See <http://distance.ufl.edu/student-complaints> for more details.

UF Online Class Recording Policy

Our class sessions may be audio visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.