

**ENY-5226C, Principles of Urban Pest Management
Distance Education**

My goal for this distance education class is to maintain the same schedule as students taking the class on campus and in the classroom. Lecture CDs, official syllabus, official course schedule, class notes, and assignments are available for download from the University of Florida e-Learning (Sakai) (<http://lss.at.ufl.edu>) website or alternatively, the course website (<http://entomology.ifas.ufl.edu/koehler/eny3225/>). Both sites are restricted to only students officially enrolled in the class. The following is a general concept for keeping on schedule:

Lectures M W F-- Lectures should be accomplished on or before the date listed
Laboratories -- Activities due and submitted on date listed

Instructor: Philip G. Koehler
Office: Urban Entomology Building, Bldg 1278
Phone: 352-392-2484
Email: pgk@ufl.edu
Office Hours: 8:00-5:00 weekdays
eLearning Website: <http://lss.at.ufl.edu> (login with UF gatorlink username and password)
Course Website: <http://entomology.ifas.ufl.edu/koehler/eny3225/>
Username: **UFAD/UFgatorlinkusername**
Password: **UFgatorlinkpassword**
Pre/ Co-requisite: ENY 3005- Principles of Entomology

Email - 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.](#)

Course Description: This is a 3 credit hour course and will cover the methods of managing urban pests, such as cockroaches, fleas, termites, flies, stored food pests, and ants. Chemical and nonchemical methods of control will be emphasized and will emphasize that you

1. Learn to manage urban pest populations
2. Understand methods of managing major pest species
2. Learn methods of managing cockroaches.
3. Learn methods of managing blood-sucking insects.
4. Understand the management techniques for the major pest ant species.
5. Develop strategies for managing important stored food pests.

Special Research Project: Special research project must be approved by instructor, and should be an in-depth review of the scientific literature. The research project report must be written as a scientific paper in Entomological Society of America format. Powerpoint presentation and written script will be a 10 minute scientific paper suitable for presentation at a scientific meeting. Student has the option of presenting the research

Text: Mallis, Arnold. *Handbook of Pest Control*. 10th Edition. 2011 Mallis Handbook Co., Cleveland, OH. ISBN: 978-1-890561-02-4. Library of Congress Catalogue Card No.: 2010928977

Grading: The exams will be timed exams taken on eLearning. The final exam will be comprehensive of all lectures. An identification portion of the exam may be posted on the class website. The course is based on 1100 total points:

Exam 1	200 points
Exam 2	200 points
Final exam	300 points
Special research topic --	200 points
Laboratory	200 points

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

Class CDs: Contain lectures, reading assignments, class notes, class schedule, and syllabus. The CDs should be downloaded to your computer.

Lecture Notebook: Print this on your own. You can have it printed/bound at a copy store if you desire.

Laboratory: The laboratory grades are based on an average grade for the weekly laboratory activities (usually two laboratory activities per week). Students can do the activities as often as necessary until the due date and turn in the best grade obtained.

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.

Plagiarism.

Plagiarism is a serious violation of the [Student Honor Code](#). The Honor Code prohibits and defines plagiarism as follows:

Plagiarism. A student shall not represent as the student's own work all or any portion of the work of another. Plagiarism includes (but is not limited to):

- a. Quoting oral or written materials, whether published or unpublished, without proper attribution.
- b. Submitting a document or assignment which in whole or in part is identical or substantially identical to a document or assignment not authored by the student.

(University of Florida, Student Honor Code, 15 Aug. 2007

<<http://www.dso.ufl.edu/judicial/honorcode.php>>)

University of Florida students are responsible for reading, understanding, and abiding by the entire [Student Honor Code](#).

Important Tip: You should never copy and paste something from the Internet without providing the exact location from which it came.

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".

Course Directions

Log onto the eLearning (<http://lss.at.ufl.edu>) or course website (<http://entomology.ifas.ufl.edu/koehler/eny3225/>) using your gatorlink username and password. If you have difficulty, contact the instructor.

- a. Click on Lecture CDs
 - b. Click on desired CD Download (e.g., ENY 3225 CD1)
 - c. If yellow security bar appears, click and allow download
 - d. Extract the zip files to a zipfolder and then to CD or hard drive
1. Read the assignment in textbook for each class before listening to the lecture.
 2. Print the lecture notes for each class. You may want to go to a copy store to have the notes printed and bound.
 3. Put lecture notebook and pen/pencil at a convenient place in front of a computer.
 - A. You will need sound so make sure the computer has speakers and sound capabilities turned on.
 4. Insert CD into computer. It should autoloading. If autoloading is turned off:
 - A. Windows
 1. Go to Windows desktop.
 2. Double click "My computer"
 3. Double click on the ".exe" file
 - B. Mac : the CD will not work properly on a Mac computer
 4. Each lecture has
 - A. A title slide that has the time you need to plan for completion of each lecture.
 - B. An objectives slide that presents the objectives of each lecture.
 - C. Content slides that present the lecture information
 - D. Practice essay questions slide: These are for studying. Exams will usually be multiple choice questions.
 - E. A closing video that summarizes the information and presents the next reading assignment.
 4. View each slide. Start each lecture by clicking on the menu on the left. Sound or video is played automatically for each slide.
 - A. The next slide is advanced automatically.
 - B. You can control the sound/video volume and replay sound by sliding the bar controls.
 - C. Video can be advanced or rewound by sliding the bar under the video.
 - C. You can go to other slides by clicking on the menu at the left side of screen.
 5. As each slide is playing sound, take notes in the lecture notes.

Lecture Subjects

1. Pest Management & Insecticide Labels
2. Insecticide Mode of Action, Part I
3. Insecticide Mode of Action, Part II
4. Inorganic insecticides and synergists
5. Insecticide formulations
6. Sites of urban insecticide application
7. Urban insecticide application equipment
8. Control of cockroaches (Blattellidae)
9. Control of cockroaches (Blattidae)
10. Subterranean termite control with soil termiticides
11. Subterranean termite control with soil termiticides
12. Subterranean termite control with baits
13. Drywood termite control techniques
14. Structural fumigation
15. Control of Wood Destroying Beetles
16. Concepts of mosquito control
17. Control of human lice
18. Control of fleas
19. Bedbug control
20. Silverfish control
21. Pest ant control
22. Fire ant control
23. Bee control
24. Wasp control
25. Control of filth breeding flies
26. Stored food insect control
27. Commodity fumigation
28. Control of occasional invaders
29. Pesticide safety
30. Pest control laws and regulations