

**ENY-3222C, Biology and Identification of Urban Pests, 3 Credits
Distance Education**

(Check official course website for current course syllabus)

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 from the official course website (<http://entomology.ifas.ufl.edu/koehler/eny3222/>) for download. You will have to email the instructor to obtain the password for the site. The following is a general concept for keeping on schedule:

Lectures M W -- Lectures should be accomplished on or before the date listed

Laboratories F -- Assignments due and submitted to instructor by email on date listed

Instructor:	Philip G. Koehler
Office:	Urban Entomology Building
Phone:	352-392-2484
Email:	pgk@ufl.edu
Office Hours:	8:00-5:00 weekdays
Web Site:	http://entomology.ifas.ufl.edu/koehler/eny3222/
Course Log-in	Username: UFAD/UFgatorlinkusername Password: UFgatorlinkpassword

Email: Each student must have an active email account. The *University of Florida requires that you obtain a student ID number 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 course will cover the life cycle, behavior, and biology of urban pests, such as cockroaches, termites, fleas, stored food insects, flies, and ants. Understanding of the damage these insects cause and sources of infestations will be emphasized.

Course Objectives:

1. Learn to recognize wood destroying insects and their damage and understand their biology and life cycles.
2. Learn to recognize cockroaches, their biology, and life cycles.
3. Identify blood-sucking insects and understand their biology
4. Recognize pest ant species and their colony structure.
5. Recognize important stored food pests.

Text: Mallis, Arnold. *Handbook of Pest Control*, 9th Edition. 1997. Mallis Handbook and Technical Training Co., Cleveland, OH. ISBN: 1-890561-01-0. Library of Congress Catalogue Card No. 2003117135.

Class CDs: Contain lectures, reading assignments, and class notes. The CDs should be downloaded from the class website.

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

Grades: This course is based on 500 points:

Midterm exam	–	200 points
Final exam	–	200 points
Laboratory Section	–	100 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

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”.

Specific Directions for CDs

Log onto the course website (<http://entomology.ifas.ufl.edu/koehler/eny3222/>) using your gatorlink username and password. If you have difficulty, contact the instructor.

- a. Click on Lecture CDs
 - b. Click on desired CD Download
 - 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 "UrbanBioEntCD.exe"
 - B. Mac : the CD will not work properly on a Mac computer.
 5. 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.
 6. 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.
 7. As each slide is playing sound, take notes in the lecture notes.
 8. Complete the practice essay questions.
 - A. These questions are good examples for you to study. However, exams will usually be multiple choice questions.
 9. **Laboratories:**
 - A. Laboratories are located on the course website.
 - B. Open the course.
 - C. Click on the Laboratory quiz link on the left column.
 - D. Download the appropriate quiz.
 - E. Work on the quiz at your own pace.
 - F. Repeat working on the quiz until you master the information.
 - G. Submit your best grade to the instructor on or before the due date for the assignment.

You will have unlimited time to complete each assignment. You will be able to work ahead, if you desire. It is your responsibility to submit your grades on time. Make sure you complete the lectures on or before the date on the syllabus.

10. It is your responsibility to stay on schedule. Make sure you complete the lectures on or before the date on the class schedule.

List of Lectures

1. Overview of Urban Entomology
2. Orders of Arthropods that are Urban Pests
3. Cockroaches
4. Cockroaches (Problems)
5. Cockroaches (Blattellidae)
6. Cockroaches (Blattidae)
7. Composition and Structure of Wood
8. Termites
9. Subterranean termites
10. Non-Subterranean termites
11. Wood-boring Beetles
12. Wood Decay and Other WDOs
13. Pests in Damp Locations
14. Delusory Parasitosis
15. Biting flies and Mosquitoes
16. Lice and bugs
18. Bedbugs
19. Fleas
20. Ticks and Mites
21. Pests of Fabric
22. Pests of Paper
23. Ants
24. Pest Ants
25. Wasps
26. Bees
27. Spiders and Scorpions
28. Envenomization
29. Stored Food Pests
30. Filth Flies and Small Flies (Gnats)