

**ENY-5223C, Biology and Identification of Urban Pests, 3 credits
Syllabus, Summer 2015**

Instructor: Dr. Philip G. Koehler
E-mail: pgk@ufl.edu
Phone: 352-392-2484
Office: Urban Entomology Building, Bldg 1278
Office Hours: Weekdays 8:00-5:00
Canvas Website: <http://lss.at.ufl.edu> (login with UF Gatorlink username and password)

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.

Course Objectives:

This course will cover the biology, life cycles, and ways of identifying the major urban pest groups, including wood destroying insects and their damage, cockroaches, blood-sucking insects, pest ant species, flies, stinging insects, and stored food pests. Preferred foods and sources of infestation for each pest group will be discussed. The main urban pest species and their effect on human health and well-being will be covered.

Critical Thinking: Urban pests are found in many situations and are difficult to recognize. Students will be expected to identify the insect pest and recognize the damage they cause. Emphasis will be on determining ways to prevent infestations based on the pest's biology. Critical thinking & communication will be evaluated by downloading a research paper from the course website, analyzing each of the specific portions of the paper (literature review, objectives, materials and methods, results, and discussion), and submitting an evaluation of the downloaded research paper as a Word document.

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 Canvas. The final exam will be comprehensive of all lectures. The course is based on a total of 1700 points:

Exam 1	200 points
Exam 2	200 points
Final exam	400 points
Critical Thinking & Communication	200 points
Special research topic	200 points
Laboratory Assignments	200 points
Laboratory exams	300 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

Specific Evaluations: Your grade in the course will be based on the points you earn and determined by the percentage breakdown of points earned. The percentage is then applied to the grading scale. Exams 1 & 2 and identification exams are not comprehensive and will be timed exams located on Canvas. Final exams (lecture and laboratory) will be comprehensive and also located on Canvas. Your “critical thinking & communication document” will be graded by evaluating the critique of the 5 sections of the downloaded research paper on a scale of 40 points per section.

Class Zipped files: Contain lectures, reading assignments, class notes, class schedule, and syllabus. The files should be downloaded from Canvas

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

Laboratories: Assignments are laboratory activities located at the Canvas website. The site is restricted to only students officially enrolled in the class. Assignments are usually due on Mondays and must be completed on or before the date listed.

Grades and Grade Points

For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Absences 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/ugrad/current/regulations/info/attendance.aspx>.

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: <https://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.

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/cwc/*

Counseling Services
Groups and Workshops
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Self-Help Library
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☐ *Career Resource Center, First Floor JWRU, 392-1601, www.crc.ufl.edu/*

Plagiarism.

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- a. Quoting oral or written materials, whether published or unpublished, without proper attribution.
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(University of Florida, Student Honor Code, 15 Aug. 2007

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

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UF POLICIES:

UNIVERSITY POLICY ON ACCOMMODATING STUDENTS WITH DISABILITIES: Students requesting accommodation for disabilities must first register with the Dean of Students Office (<http://www.dso.ufl.edu/drc/>). The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. You must submit this documentation prior to submitting assignments or taking the quizzes or exams. Accommodations are not retroactive, therefore, students should contact the office as soon as possible in the term for which they are seeking accommodations.

UNIVERSITY POLICY ON ACADEMIC MISCONDUCT: Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the UF Student Honor Code at <http://www.dso.ufl.edu/students.php>.

****NETIQUETTE: COMMUNICATION COURTESY:** All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats. [Netiquette Guide for Online Courses](#)

GETTING HELP:

For issues with technical difficulties for E-learning in Canvas, please contact the UF Help Desk at:

- Learning-support@ufl.edu
- (352) 392-HELP - select option 2
- <https://lss.at.ufl.edu/help.shtml>

**** Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from LSS when the problem was reported to them. The ticket number will**

document the time and date of the problem. You MUST e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

Other resources are available at <http://www.distance.ufl.edu/getting-help> for:

- Counseling and Wellness resources
- Disability resources
- Resources for handling student concerns and complaints
- Library Help Desk support

Should you have any complaints with your experience in this course please visit <http://www.distance.ufl.edu/student-complaints> to submit a complaint.

Lecture Subjects

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 & Other WDOs
13. Pests in Damp Locations
14. Delusory Parasitosis
15. Biting flies & Mosquitoes
16. Lice & bugs
17. Bedbugs
18. Fleas
19. Ticks and Mites
20. Pests of Fabric
21. Pests of Paper
22. Ants
23. Pest Ants
24. Wasps
25. Bees
26. Spiders and Scorpions
27. Envenomization
28. Stored Food Pests
29. Filth Flies & Small Flies (Gnats)

Research Report Requirements

1. Select a specific topic. You may want to select a topic that has been addressed in Annual Review of Entomology articles. Do not choose a general topic select one that addresses a very specific issue.
2. Your job is to dig up and read as many of the original literature papers as possible on the subject and summarize them for publication as an Annual Review of Entomology article of your own.
3. Update the publications with more current literature.
4. Include pertinent data tables and graphs from other researchers in the article.
5. The article must be written in Entomological Society of America format. The style manual is located at: <http://www.entsoc.org/pubs/publish/style>
6. The article must be at least 12 double-spaced pages in length. It should be set up as a manuscript ready for submission to ESA. I will take off for bad formatting.
7. The sections must be Title page, Abstract, Key Words, Body of Report, Literature Cited, Tables, List of Figures, and Figures on separate pages.

In addition to the report, I expect you to prepare a Powerpoint presentation on the subject of the report. The Powerpoint presentation should be in a format for presentation as a 10-minute paper at the ESA annual meeting. I expect the Powerpoint presentation to follow the material in the research report and be scripted so you could go to ESA and present the talk by reading the script.

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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, www.dso.ufl.edu/drc/

On-line Distance Courses.

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.

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