

WELCOME TO ENY 3005/5006

PRINCIPLES OF ENTOMOLOGY and GRADUATE SURVEY OF ENTOMOLOGY Distance Course

Summer 2007

Instructors: Dr. Pete Coon Frank Wessels
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Office Hours:

Please call to schedule an appointment with Pete or Frank.
Please email **both** instructors with **all** communications during the semester.

REQUIRED TEXTBOOK

The Insects: An Outline of Entomology 3rd Edition, P.J. Gullan and P.S. Cranston ISBN#1-4051-1113-5, Blackwell Publishing

This book can be purchased at the UF bookstore, Orange and Blue Textbooks, or at an online store. This is an excellent text that will be used in the distance lecture.

Lecture exams will include questions from the readings assigned in this text.

OPTIONAL (These are good reference books and can really help you out in lab.)

A Field Guide to the Insects of North America North of Mexico, Peterson Field Guide Series, Borror and White.

Big bug bang for the buck. This is a super little field guide that you may use in the laboratory and will refer to often in the years to come.

Photographic Atlas of Entomology and Guide to Insect Identification, J. L. Castner

This is a great reference book. The book contains beautiful color photographs that will greatly aid in the identification of common insects.

WHAT YOU WILL LEARN

By the end of this course you should be able to pick up a common insect (a feat in itself for some people) and tell your friends what kind of bug it is, how it moves, how it eats and digests its food, why it looks the way it does, where it usually lives, whether it is harmful to people or animals, how it's controlled if it is a pest, and how it and other insects impact our lives. Pretty cool for a bug class.

WHY TAKE THIS COURSE?

1. Insects have an amazing impact on us ranging from devastating plagues to butterfly print wallpaper.
2. Insects are just about everywhere you look.
3. Insects are amazing; some are amazingly disgusting, others are amazingly beautiful, and all are amazingly complex and interesting to study.
4. Insects are just plain fun to learn about and work with.



COURSE OUTLINE

Week	*Date Due and Time*	Web Lecture/Activity <u>Color Code</u> Assignments Exam date Readings	Readings in Gullan and Cranston
1	5/18 Fri 5:00 PM 5:00 PM	Unit 1 -Arthropod Classification (Assignment – Classification of Insect) Unit 2 - Insect Evolution and Classification (Assignment - Wing Evolution)	pg.4-19 pg.208-211
2	5/25 Fri	Unit 3 - Insect Orders Graduate Students ONLY Choose paper topic! See syllabus and contact instructor. DO NOT WAIT!!!	pg.2-3, 178-199, 230-236, 252-259, 289-297, 325-326, 348-351, 389-392, 499-505
3	6/01 Fri 5:00 PM	Unit 4 - Integument, Development and Reproduction (Assignment - JH Mimics)	pg.22-28, 142, 151-175, 81-84
4	6/08 Fri	Unit 5 - Maintenance and Movement	pg.61-81
5	6/11 Mon	EXAM 1 (Units1- 5) Posted On WebCT 8:00 AM	
6	6/13 Wed	EXAM I must be submitted by NOON. NO EXCEPTIONS!!! Submit exam on WebCT.	
6	6/15 Fri	Unit 6 - Reception & Integration	pg.56-61, 86-109
6	6/22 Fri 5:00 PM 5:00 PM	Unit 7 - Getting Together (Assignment - Looking Good) Unit 8 - Social Relationships (Assignment - Social Insects)	pg.114-139, 356-373 pg.300-326
7	6/25-29	Summer Break No Classes	
8	7/04 Wed	July 4th Holiday No Classes	

8	7/06	Unit 9 - Adaptations to Habitats Unit 10 - Plant – Insect Interactions	pg.216-236, 240-261 pg.264-298
9	7/09 Mon	<u>EXAM 2</u> (Units 6- 10) Posted On WebCT 8:00 AM	
10	7/11 Wed	<u>EXAM 2</u> must be submitted by <u>NOON</u> . <u>NO EXCEPTIONS!!!</u> Submit exam on WebCT	
11	7/13 Fri 5:00 PM 5:00 PM	Unit 11 - Parasites (Assignment - Endo-Ectoparasite) (Why are insects small?)	pg.328-352
11	7/20 Fri 5:00 PM	Unit 12 - Insect Pest Management (Assignment - Pest) Unit 13 - Insecticides	pg.396-404 pg.404-407
12	7/26 Fri 5:00 PM 5:00 PM	Unit 14 - Biological Control (Assignment - Bio-Control) (Assignment - Mole Cricket)	pg.407-423
13	8/03 Fri	Unit 15 - Medical Entomology	pg.376-392
14	8/06 Mon	<u>FINAL EXAM 150 Points</u> (Units 11- 15 & previous material). Posted On WebCT 8:00 AM.	
15	8/08 Wed	<u>EXAM 3</u> must be submitted by <u>NOON</u> . <u>NO EXCEPTIONS!!!</u> Submit exam on WebCT	
15	8/09 Thur	<u>Literature Review DUE</u> by NOON. Graduate Students Only!!	

Assignments and readings are due on the dates indicated above. **EXAMS ARE DUE ON THE SPECIFIED DATES INDICATED.**

Getting Started

E-mail/Gatorlink Account

You will be required to get a Gatorlink computer account through the university. This service is free to all students. Using this account, you will be able to send and receive e-mail and access the World Wide Web from home or school. Instructions for getting a Gatorlink account can be found at <http://www.gatorlink.ufl.edu/>. **You must correspond through this e-mail account.** If you use an account other than Gatorlink, your e-mails may not be received by your instructor.

ASSIGNMENTS

On Campus Students Only

If you are registered for the lecture portion of ENY 3005/5006 as an on campus student, you will access the course materials and exams by WebCT using your gatorlink account. High speed internet is needed in order to view videos and hear audio clips that are embedded in course files. **All assignments are found within each lecture unit.** The completed assignments are to be submitted into WebCT as word document files by the deadline in the above class schedule. There are 10 assignments each worth 10 points. **All assignments are due on or before each Friday at 5:00 PM Eastern Standard Time.** Assignments go directly into TURNITIN for verification of originality. All assignments MUST have your name on it when submitted into WebCT. WebCT will not accept late assignments or exams, therefore no credit will be given.

ASSIGNMENTS

Off Campus Students Only

Students located off campus will have the availability to access the course material by WebCT and/or course CDs. It is your responsibility to notify the instructor(s) if you need the CDs. You must supply the instructor(s) with a mailing address as soon as possible so the CDs can be mailed. All assignments are found in each unit lesson on the CD just like that on WebCT. The completed assignments are to be submitted into WebCT as word document files by the deadline in the above class schedule. There are 10 assignments each worth 10 points. **All assignments are due on or before each Friday at 5:00 PM Eastern Standard Time.**

Assignments go directly into TURNITIN for verification of originality. WebCT will not accept late assignments or exams, therefore no credit will be given. All assignments MUST have your name on it when submitted into WebCT. No late submissions will be accepted.

Literature Review - ENY 5006 Graduate Students Only

Graduate students are required to write a literature review based on a topic involving entomology. Examples of areas in entomology are; Biological Control of Insects, Insect Pest Management (IPM, Insecticides, agricultural crops, etc.), or Medical and Veterinary Entomology. Within your area you must focus your paper on a specific topic. Writing on Biological Control of Insects is too broad and must be narrowed down to a specific insect or system within that topic. You must choose a topic and submit it to the instructor before the first exam. The instructor will approve the topic or will suggest some alternate topics for the review. The literature review will consist of a **12 page**, typed (12 point font, 1.5 line spacing, 1.25" margins) paper with a minimum of **15 peer-reviewed journal article references**. At least 5 of these articles must be the year 2001 or newer. This assignment will be due **before** the final exam (see syllabus schedule). If you have questions about what journal articles are acceptable, please ask. You can visit the UF library page and go to quick links to find great databases for articles. Try Science Direct to find some full articles online! If you are off campus, the UF library has information for remote use at <http://web.uflib.ufl.edu/access.html>. This assignment is worth 100 points! You will be graded on content and quality of sources as well as organization and format.

EXAMS

Exam Formats:

The exams are critical thinking questions that are made up of multiple-choice, matching, short answer and/or discussion questions. Exam1 (100 pts) will cover Units 1-5, exam 2 (100 points) will cover Units 6-10 and the Final Exam (worth 150 pts) will cover Units 11-15 combined with selected materials from Units 1-10. The final exam will be comprehensive and will be composed of 100 points of new material and 50 points of previous material. You will not be allowed to take any exam after the exam date unless prior arrangements have been made. Make-up exams will be given in emergency situations only and may not be in the same format as original exam given. Appropriate documentation of the emergency will be required.

Exam Downloading and Submission:

Exams will be posted on WebCT according to above class schedule. Exams are in a .doc format to be down-loaded from WebCT. the exam should be saved as a .doc or rtf file and must include your name. Completed exams are to be submitted back into WebCT on or before the scheduled deadline. **STUDENT'S NAME MUST BE ON SUBMITTED EXAM (No Exceptions).**

TIME ZONES:

UF servers are on Eastern Standard Time, so EST will be used for all due dates. If you live in another time zone, please remember to submit your assignments in WebCT according to Eastern Standard Time.

PLAGIARISM:

*****WARNING***** All assignments turned in are automatically checked by TURNITIN for **plagiarism**. If plagiarism is found, the student will automatically fail the course and possibly appear before the honor court. **NO EXCEPTIONS!**

WHAT IS PLAGIARISM?

Plagiarism is using the ideas of others and passing them off as your own. This may include information from printed material including books and journals, visual and/or audio sources and the internet. Cutting and pasting of information from the internet **will not be tolerated**. If you quote or use information as support for your own written discussion then the author(s) must be given credit by citing them as a proper reference, this includes internet url addresses.

GRADES

Weekly assignment grades will be posted the following Monday of each week. If you have questions concerning the points given for an assignment, please contact the instructors of the course. However, it usually takes about 2 weeks for exams to be graded with comments and remarks placed on each exam and returned to students. If at any time you have questions regarding grades, please let both instructors know.

VISTA Instructions for viewing grades

- 1) Go to <http://lss.at.ufl.edu>
- 2) Enter in your Gatorlink username and password and click ok.
- 3) Click on the link for ENY 3005 or Graduate Students ENY 5006 lecture or lab.
- 4) Click My Grades in the top right corner of screen.

EVALUATION		FINAL GRADING Scale: Percentage	
Lecture Exam I	100	100-90	A
Lecture Exam II	100	89-85	B+
Journal Assignments	100	84-80	B
Lecture Final Exam	150	79-75	C+
ENY 5006 Lit. Review (100 points)		74-70	C
Total	ENY 3005 450 points	69-65	D+
	ENY 5006 550 points	64-60	D
		59-0	E

NOTE: You should receive an electronic evaluation from UF.
Please fill out this evaluation to assess the quality of this course.

There will be NO extra point opportunities for this class. If you are having problems in school or in the course, please make an appointment to see me, or if appropriate, call one of the counseling services listed below. Do not wait until the end of the semester.

UF Counseling Services:

1. University Counseling Center, 301 Peabody Hall, 392-1575, personal and career counseling [Infirmery]) 392-1575, personal and career counseling.
2. Student Mental Health, Student Health Care Center, 392-1171, personal counseling.
3. Sexual Assault Recovery Services (SARS), Student Health Care Center, 392-1161, sexual assault counseling.
4. Career Resource Center, Reitz Union, 392-1601, career development assistance and counseling.

Academic Honesty: As a result of completing registration at the University of Florida, every student has agreed to 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 community, pledge to hold our peers and ourselves to the highest standards of honesty and integrity.

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.

DISABILITY STATEMENT:

The university of Florida has an obligation to accommodate students with known disabilities under the Americans with Disabilities Act ("ADA") and Section 504 of the Rehabilitation Act of 1973 ("Section 504). One of the intended purposes of these federal laws is to secure for individuals with disabilities even-handed treatment and the equal opportunity to participate in and benefit from University Programs. to achieve this result, federal law requires that reasonable accommodations be made to students, who are qualified individuals with disabilities, within the meaning of Section 504 and the ADA. Our state law obligations are consistent with this federal mandate.

It is not permissible for the university to exclude any individuals from participation in a program or to deny them the benefits of that program solely because of a disability. Students should make disabilities requiring accommodation known through the established University procedures as implemented by the Dean of Students Office located in 205 Peabody Hall (392-1261). Notably, it is not a requirement that the University make fundamental modifications in program requirements, or provide services of a personal nature, which will result in undue financial hardship or a lowering of program standards.