

# WELCOME TO ENY 3005/5006

## PRINCIPLES OF ENTOMOLOGY and GRADUATE SURVEY OF ENTOMOLOGY Online Course Fall 2012



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Class Information:  
<http://entomology.ifas.ufl.edu/baldwin/webbugs/>

**Please come by for a visit!**  
**Office Hours:** ENY 2208 MW 2:00-4:00  
(in person, by email, or phone)  
Other times are available by appointment.  
I would appreciate a call or e-mail to set up an appointment. \*If office hours are cancelled, it will be posted on the Sakai calendar.

### REQUIRED TEXTBOOK

#### The Insects: An Outline of Entomology 4<sup>th</sup> Edition (2010)

P.J. Gullan and P.S. Cranston

ISBN# 978-1-4443-3036-6, Blackwell Publishing

This is the text that will be referenced in the web lecture. There are required readings listed in the course outline for each week. There is a copy on reserve in the Marston Science Library for students in Gainesville.



**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

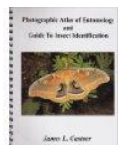


Peterson Field Guide Series, Borror and White.

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 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 an insect class.

General Class Objectives:

1. Know characteristics of the major insect orders.
2. Understand the general external and internal anatomy and physiology of insects.
3. Realize the impacts of insects on man and the environment.

# ENY 3005/5006 COURSE OUTLINE

\*date indicates the week of for all except exams, assignments, and reviews

Week	*Date* week of	Web Lecture/Activity <u>Color Code</u> Assignments   Exam date   Readings	Textbook readings (Gullan and Cranston) Fourth Edition
	8/22	Class Registration Drop/Add, Purchase class materials	
1	8/27	<a href="#">Unit 1 - Arthropod Classification</a>	pg.2-21, 190-221
2	9/3	<a href="#">Unit 2 - Insect Evolution and Classification</a> (Assignment - Wing Evolution – 10 points)	pg.224-239
3	9/10	<a href="#">Unit 3 - Insect Orders</a>	pg. 461-497
4	9/17	<a href="#">Unit 4 - Integument, Development and Reproduction</a> (Assignment - JH Mimics – 10 points)	pg.152-167, 122-149
5	9/24	<a href="#">Unit 5 - Maintenance and Movement</a>	pg.24-89
	9/27	Graduate Students - Paper Topic Due by 5:00 PM Thursday! Journal Assignments due – <b>5:00 PM EST Thursday</b> <b>EXAM REVIEW Online -Thursday 8:00 – 9:00PM EST</b>	
	9/28	<b>*EXAM I Units1-5 – 100 points (GNV students register on Doodle)</b>	
6	10/1	<a href="#">Unit 6 - Reception &amp; Integration</a>	pg. 92-120
7	10/8	<a href="#">Unit 7 - Getting Together</a>	
8	10/15	<a href="#">Unit 8 - Social Relationships</a> (Assignment - Social Insects – 10 points)	pg.308-336, 167-187
9	10/22	<a href="#">Unit 9 - Adaptations to Habitats</a>	pg.366-384, 258-274
10	10/29	<a href="#">Unit 10 - Plant – Insect Interactions</a>	pg.278-306
	11/1	Journal Assignments due – <b>5:00 PM EST Th</b>	
	11/2	<b>*EXAM 2 – Units 6-10 – 100 points (GNV students register on Doodle)</b>	
11	11/5	<a href="#">Unit 11 - Parasites</a> (Assignment - Endo-Ectoparasite – 10 points)	pg.340-362
12	11/12	<a href="#">Unit 12 - Insect Pest Management</a>	pg.408-422
13	11/19	<a href="#">Unit 13 - Insecticides</a>	pg.423-440
		<a href="#">Unit 14- Biological Control</a> (Assignment - Bio-Control – 10 points) Research Article Review Due 5:00 PM EST on <b>Friday</b>	
14	11/26	<a href="#">Unit 15 - Medical Entomology</a> ENY 5006 Literature Reviews Due– 5:00 PM EST on <b>Friday</b> Journal Assignments due – 5:00 PM EST <b>Sunday</b>	pg.386-405
15	12/3	<b>* Exam 3 - 150 points (50 points comprehensive)</b>	*If you need to take an exam on an alternate date, please arrange a day and time with Dr. Baldwin.

## DESCRIPTION OF ASSIGNMENTS AND EXAMS

### Getting Started

#### E-mail Protocol

You will be required to get a free Gatorlink computer account through the university in order to access your e-mail and ELearning account. Instructions for getting a Gatorlink account can be found at <http://www.gatorlink.ufl.edu/>. **You must correspond through this e-mail account.** Other servers such as aol, yahoo, msn, etc. have trouble communicating with UF. **If you use an account other than Gatorlink, your e-mails may not be received by your instructor.** Also, I will communicate with you via a course listserv or Sakai mail using **only Gatorlink** accounts. You will receive class information via e-mail the first week of class. **IMPORTANT:** Please e-mail Dr. Baldwin through Gatorlink, [baldwinr@ufl.edu](mailto:baldwinr@ufl.edu), with the following protocol. **Subject line:** Must be in the format "3005 - Last name, First name: Subject." Also, please see if your question can be answered by the syllabus before sending an e-mail. Because of the volume of messages received, please allow several days for a reply to messages.

#### ELearning Instructions

- 1) Go to <http://lss.at.ufl.edu/>, and click Sakai. (Note: Sakai works best with the Firefox browser.)
- 2) Enter your Gatorlink username and password and click ok.
- 3) Click on ENY 3005 or ENY 5006 on the top of the page to reach the homepage.
- 4) Scroll down the page to see the syllabus, announcements, assignments, and clickable links to the lectures.

### Assignments

#### Journal Assignments - Everyone

Your journal is a collection of clearly articulated answers to five assignments, each worth 10 points (300 word minimum). There is a practice posting (Unit 1) to introduce yourself to your instructor and classmates. Please include a bit about yourself and include a bug story of some kind. This first post is un-graded, but will familiarize you with the posting system. The remainder of the assignments are found in various lecture units and are listed under the assignments link on the left menu in Sakai. These assignments are fair game for the exam and will be graded the week of the exam. Please see the assignment section of the course outline for the units with journal assignments. **Assignments should be posted to the assignment link in Sakai and have a 300 word minimum.** *Please follow the due date on this syllabus.* Because of the class size, you may only receive feedback on the assignments if points are deducted. **Journal assignments are due by 5:00 PM the night before the exam is posted. (unit 1-5 assignments before Exam 1, units 6-10 before Exam 2, and units 11-15 before the final exam) Late submissions will not be graded.**

**ALL JOURNAL ASSIGNMENTS ARE DUE BY 5:00 PM EST - THE NIGHT BEFORE THE EXAM IS POSTED.**

#### Literature Review - ENY 5006 only ([click here for example](#))

For this assignment, graduate students will be required to write a literature review based on one of the following topics: Biological Control of Insects, Insect Pest Management (IPM, Insecticides, agricultural crops, etc.), or Medical Entomology. 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 **10 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 2007 or newer. This assignment will be due **before** the final exam. If you have questions about which journal articles are acceptable, please ask. (Websites are typically not considered to be a peer-reviewed reference.) You can visit the UF library page and go to quick links to find great databases for articles. Try [Science Direct](#) or Google Scholar to find some full articles online! If you are off campus, the UF library has information for remote use at <http://www.uflib.ufl.edu/distance/>. This assignment is worth 100 points! You will be graded on content and quality of sources as well as organization and format. This report will be submitted to Turn-it-In anti-plagiarism software, so be careful about plagiarism and citations. You are expected visit the UF Student Honor Code website at <http://www.dso.ufl.edu/studentguide/studentconductcode.php#s40431> for more information on plagiarism. Any plagiarized work will receive a zero and may be submitted to the graduate committee and UF judicial affairs. A sample paper will be posted for you.

## **Exam Information**

### **Practice Exam**

There will be a practice exam posted online one week prior to the first exam so you can see the exam format. This exam is brief and will not be graded.

### **Review Session**

There will be a review session in the online chat room the night before the first exam at 8:00 pm (EST). The chat will last for 1 hour and you may post questions to be answered in real time from the instructor. If you are not able to attend the review, you may view the chat log in ELearning. You may need to install JAVA to use the chat function.

**Exams – Exam 1 (Units 1-5), Exam 2 (Units 6-10), Online Final (all + Units 11-15)**

*Note: There will be two versions of exams 1 and 2, one for students in and near Gainesville, and one for those of you who are truly distance students.*

There will be three exams during the semester, each covering 5 units of material. The final exam will be comprehensive and will be composed of 100 points of new material and 50 points of previous material **The instructor reserves the right to submit all exams to “Turn It In” for plagiarism evaluation.**

### **ON-CAMPUS STUDENTS – IMPORTANT – EXAMS 1 AND 2 WILL BE GIVEN IN ENY 1031 (EXAM 3 FORMAT TBA)**

Students who are on-campus (taking the on-campus lab) will be required to take the first two exams at the Entomology and Nematology Department in ENY 1031. To gain access to the exam, you need to have 2 pencils and your student ID. You will not be allowed to bring other items (notebooks, backpacks, etc.) into the exam room. The exams are closed book and will be a combination of multiple-choice, matching, and true false questions answered on a scantron answer sheet (provided by the instructor) as well as essay questions written on the exam. You will receive an e-mail link for a Doodle poll where you may choose an exam time. Times will be given on a first come first served basis and are limited to 60 students per exam time. The exam dates are posted so please make work arrangements around the exam times. The exam time will likely be at 1:30. The exam will begin promptly, so please use office hours or the online chat review time to ask questions. Working through the study guides will help to prepare you for the exam. Please see online exam information and troubleshooting section below. You will have to write a review of a research paper as part of your final exam. It will be due one week before the exam.

### **NO MAKE-UP EXAMS WITHOUT PRIOR APPROVAL.**

If you would like to take your exam on a day prior to the listed exam date, please contact your instructor at least one week in advance. You will not be allowed to take the exam after the exam date unless prior arrangements have been made. If you are ill, you need to contact the instructor before the exam. A doctor or infirmary must confirm illness before you may schedule a make-up exam.

### **DISTANCE STUDENTS – ALL EXAMS ONLINE**

The exams will be available from 8:00 AM until 11:59 PM on the dates indicated on the course outline page. You must log in before 11:59 PM. You must independently answer all questions. You may not cut and paste information or consult current or former students for answers. Once you begin the exam, it must be submitted. On average, the exam takes about 90 minutes to complete. *You will be allowed 1 hour for exams 1 and 2 and 1.5 hours for exam 3. Grades will be posted one week following the exam using the online grade book.*

### **Troubleshooting for online exams - 352-392-HELP**

Because we are depending on computers for the exam, problems may occur. Don't panic. I know things happen and we will do what we can to fix the problem. Here are a few pointers. If you get disconnected from the internet while you are taking the exam, leave your browser open and then reconnect. You should be able to pick up the exam where you left off. Be sure to save answers as you go. If you still have difficulties, please call the help desk (352-392-HELP) then inform your instructor. If you experience other problems, try to save what you have completed .

*Make sure to try out the practice exam to see that you can log in and properly view the exam questions.*

### **Saving Exam Answers**

Once you begin the exam, all questions will appear at once and you can answer them in any order. You may also change your answer as many times as you like. After each answer, be sure to click *save answer* and if you change your answer, click save answer again. At the end of the exam, you will need to click submit. Again, grades will be posted approximately one week after the exam in the ELearning grade book.

### LAB INFORMATION – The lab is a required as a co-requisite.

The 1 credit hour lab part of the course is offered for all ENY 3005 and 5006 students, and you **must** register for the lab separately. For those of you off campus, you will either attend a lab scheduled by your local UF/IFAS Research and Education Center or you will register for an online lab through the Entomology Department - (352) 273-3912. On-campus students may visit <http://entomology.ifas.ufl.edu/barfield/basicentomology/> for lab information including the syllabus and handouts. Distance students will have an ELearning link for the lab. You may visit <http://entomology.ifas.ufl.edu/baldwin/webbugs/> for more information.

**Students taking classes in Gainesville must take the on-campus lab.**

**\*You must return any UF lab equipment to your lab TA when you turn in your collections.\***

FINAL GRADING Scale: Percentage		EVALUATION
100-93	A	Lecture Exam I 100
90-92	A-	Lecture Exam II 100
87-89	B+	Journal Assignments 50
83-86	B	Lecture Final Exam 150 (including the research paper review)
80-82	B-	ENY 5006 Book Review(100 points)
77-79	C+	Total <b>ENY 3005</b> 400 points
73-76	C	<b>ENY 5006</b> 500 points
70-72	C-	
67-69	D+	
63-66	D	
60-62	D-	
0-59	E	

**NOTE:** Before the final exam, you should receive an e-mail about an electronic evaluation from the Dean's office at UF. Please fill out this evaluation to assess the quality of this course.

There will be NO extra point opportunities for this class. The 50 point journal counts as any extra points, so be sure to complete all assignments. Late assignments will not be graded.

Please visit <http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html> for the UF policy on grading.

### UF POLICIES

#### 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.** Plagiarism in this class will not be tolerated. For more information about plagiarism, please see the information on the class homepage. 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.