

# WELCOME TO ENY 3005/5006

## PRINCIPLES OF ENTOMOLOGY and GRADUATE SURVEY OF ENTOMOLOGY

### Online Course



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**Teaching Assistant:**

Class E-Learning url: <https://lss.at.ufl.edu/>

**Please come by for a visit!**

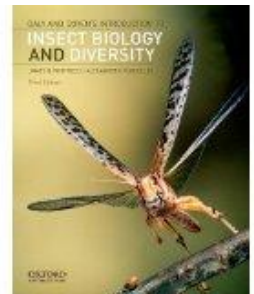
**Office Hours:** ENY 2208 MW 2:00-4:00

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**

**Daly and Doyen's Introduction to Insect Biology and Diversity** Third Edition

James B. Whitfield and Alexander H. Purcell III  
ISBN# 978-0-19-538067-5, Oxford University Press



This is the text that will be referenced in the web lecture. There are required readings listed in the course outline for each week.

**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**

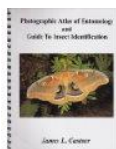


Peterson Field Guide Series, Borror and White.

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	Web Lecture/Activity Color Code Assignments Exam date Readings/Lectures	Textbook readings
1	<b>Week 1 Class Registration Drop/Add, Purchase class materials</b> - Take online pre-test (Tests & Quizzes), take syllabus quiz (Assessments) and post introduction to Sakai (Discussion)	
2	<b>Unit 1 - Arthropod Classification</b> <b>Unit 2 - Insect Evolution and Classification</b> (Assignment - Wing Evolution – 10 points)	Chapter 1 Chapters 2 and 16
3	<b>Unit 3 - Insect Orders</b> <i>Note – Having a good understanding of this lecture and the readings will give you an advantage in the lab and on the lecture exam Be sure to invest the time in completing your readings and understanding how to identify insect orders by their characteristics.</i>	Introductions to orders (first 2-3 pages) of Chapters 18-46 (~80 pages)
4	<b>Unit 4 - Integument, Development and Reproduction</b> (Assignment - JH Mimics – 10 points) <b>Unit 5 - Maintenance and Movement</b>	Chapters 3 and 4 Chapter 5
5	<b>Unit 6 - Reception &amp; Integration</b> Journal Assignments due (Units 2&4)– 5:00 PM EST Thursday Graduate Students - Paper Topic Due by 5:00 PM Thursday! EXAM REVIEW Online Chat Room (Sakai)-Thursday 8:00 – 9:00PM EST <b>*EXAM I - Friday Units 1-5, 100 points (Sakai Assessment with ProctorU)</b>	Chapter 6
6	<b>Unit 7 - Getting Together</b>	Chapter 7
7	<b>Unit 8 - Social Relationships</b> (Assignment - Social Insects – 10 points)	Chapter 8
8	<b>BREAK</b>	
9	<b>Unit 9 - Adaptations to Habitats</b>	Chapter 9
10	<b>Unit 10 - Plant – Insect Interactions</b>	Chapter 10
11	<b>Unit 11 - Parasites</b> (Assignment - Endo-Ectoparasite – 10 points) Journal Assignments due (Unit 8) – 5:00 PM EST Thursday <b>*EXAM 2 - Friday Units 6-10, 100 points (Sakai Assessment with ProctorU)</b>	Chapter 11
12	<b>Unit 12 - Insect Pest Management</b>	Chapter 13
13	<b>Unit 13 - Insecticides</b>	Chapter 13
14	<b>Unit 14- Biological Control</b> (Assignment - Bio-Control – 10 point)	Chapter 11
15	<b>Unit 15 - Medical Entomology</b> ENY 5006 Literature Reviews Due– 5:00 PM EST Monday the 28 <sup>th</sup> Journal Assignments due – 5:00 PM EST Sunday the 3rd	Chapter 12
16	<b>*EXAM 3 –Monday- 150 points (~100 points units 11-15, 50 points comprehensive)</b> • (Sakai Assessment with ProctorU)	*If you need to take an exam on an alternate date, please arrange 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. 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/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 in the discussion section of Sakai (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. Journal Assignments are "inline" posts, so if you write your assignments on a computer, you will need to copy and paste the text into the Sakai assignment window. 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 (example and paper on writing a review posted on Sakai homepage)

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*. A literature review is a "state of the science" collection of research that you summarize into a paper. 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 2008 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/>. UF has a very nice library system, so be sure to log in before doing your web surfing for articles. You should not have to pay for articles you need. If you find an article that won't allow free access, call the UF distance education librarian (link above) or use the interlibrary loan system. 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. Your paper should have a title, abstract, introduction, body, and conclusion. The body of the paper should address the research done in the topic of your choice. It is helpful to make an outline of what you would like to address. As you read the papers, take notes under each of your outline headings. Keep track of your references and who did what research. It is helpful to number your references, or color code them so you can use your numbering or color system as you take notes. It takes about a month to gather and read your resources, so be sure to get started on this early in the semester. **Remember, you must review and comment on the research results, not just give an overview of topic facts.** A sample paper will be posted for you on the Sakai homepage.

### 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.

**EXAMS**—Exams will be delivered through **ProctorU** using the **Assessment feature of Sakai**. There will be three closed-book exams during the semester. Exam 1 covers material from units 1-5, Exam 2 will cover material from units 6-10, and Exam 3 will cover approximately 100 points from units 11-15 and 50 points of comprehensive information. **IMPORTANT:** *Please visit <http://www.proctoru.com/portal/ufl/> to set up your account and test your webcam and computer set-up prior to exam 1.*

**Exams are to be taken individually. No collaboration is allowed. The instructor reserves the right to submit all exams to “Turn It In” for plagiarism evaluation. Exams are not to be copied, recorded, or shared in any way.** The exam will consist of multiple-choice, matching, fill in the blank, and short answer/essay questions. You will see the questions one at a time, but may go back to review previous questions if time allows. *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.*

**NO MAKE-UP EXAMS WITHOUT PRIOR APPROVAL** - If you would like to take your exam on a day prior to the listed exam date or time, 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.

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

Because we are depending on computers for the online exams, 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. Be sure to call the help desk to document your issue before contacting the instructor.

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

### 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. Both on-campus and distance students will have an ELearning link for the lab. This is listed as ENY3005L/5006L in Sakai. The “L” indicates the lab section. The lab has a separate syllabus, so be sure to communicate with your lab TA and copy me if you have any questions. **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	
100-93	A
90-92	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-
67-69	D+
63-66	D
60-62	D-
0-59	E

## EVALUATION

Lecture Exam I	100
Lecture Exam II	100
Journal Assignments	50
Lecture Final Exam	150
ENY 5006 Literature Review (100 points)	
Total	<b>ENY 3005</b> 400 points
	<b>ENY 5006</b> 500 points

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.

Be sure to complete the journal assignments. Late assignments will not be graded.

## UF POLICIES

**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: <http://www.dso.ufl.edu/SCCR/honorcodes/honorcode.php>. **Copying, screen printing, or photographing of exam materials is a violation of the UF Honor Code.** Plagiarism in this class will not be tolerated. For more information about plagiarism, please see <http://web.uflib.ufl.edu/msl/subjects/Physics/StudentPlagiarism.html>. You may also wish to read [www.nursing.ufl.edu/Plagiarism%20Handout%2008\\_17.doc](http://www.nursing.ufl.edu/Plagiarism%20Handout%2008_17.doc). All work submitted must be in your own words and proper citations must be given for sources of ideas.

**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/](http://www.counseling.ufl.edu/cwc/) Counseling Services, Groups and Workshops, Outreach and Consultation, Self-Help Library, Training Programs, Community Provider Database*
- *Career Resource Center, First Floor JWRU, 392-1601, [www.crc.ufl.edu/](http://www.crc.ufl.edu/)*

**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/](http://www.dso.ufl.edu/drc/)

**Distance Education** - 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.