

The Insects
ENY 2040
3 credits

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Contacting instructors:

Contact the instructors via the Conservations (Inbox) in Canvas. If you compose your message to **ENY 2040 Teachers**, the message will go to both of us and you are guaranteed a prompt response.

Office Hours: Anytime, contact via email to arrange an appointment!

Course Website: <http://elearning.ufl.edu>

Course Description: The Insects is an introduction to insect biology, insect-other organism interactions, and insect associations with people. The course features discussion of basic biological principles and concepts using insects as examples. The Insects features a combination of online lectures, videos, hands-on activities, readings, and discussions of these topics.

Required Course Materials:

1. Life in the Undergrowth DVD (NOT THE BOOK!) BBC Home Entertainment, 2006. Available for less than \$20 via Amazon Streaming
2. Butterfly rearing kit. \$25 (see Assignment 1 link for details)

Internet Connectivity: This course is conducted entire online via Canvas. It is your responsibility to ensure that you have regular access to high-speed internet to watch lectures and videos as well as to complete assignments, quizzes, and exams. BE sure to check the course website and your Gatorlink email regularly for updates and communications regarding the course.

General Course Objectives:

At the completion of this course, students will be able to:

1. Describe the characteristics and key biological features of the major arthropod classes.
2. Describe the scope of global insect diversity.
3. Name the orders to which common insects belong.
4. Associate key life history characteristics and development type with the major orders of insects.
5. Describe structural and chemical adaptations that insects use to carry out various vital functions.
6. List the roles insects play in different ecological communities.
7. Explain the beneficial and destructive impacts of insects on man.
8. Discuss the importance of insects in science, technology, the media, and popular culture.

Note: In addition to these general course objectives, each lecture begins with a list of specific learning objectives that will very useful in preparation for quizzes and exams. Review questions are available for you to assess your mastery of these objectives.

General Education Purpose of Course Statement:

General Education courses in the biological sciences introduce students to the basic concepts of science and the scientific method and enhance awareness of scientific developments and their impact on society and the environment. This area provides students with an understanding of basic scientific terms, concepts, and theories and the ability to formulate testable hypotheses from the study of living things.

Questions about the course?

1. Please ask general questions about the course in the Discussion forum titled Course Questions so everyone can benefit from the response.
2. Personal questions should be sent via email through the course Conversations (Inbox) directed at **ENY 2040- Teachers**.

Online Classroom Courtesy and Netiquette

- **Respect others and their opinions** in class and in online discussions.
- **Act (and write) professionally**, just as you would in the classroom.
- **Deadlines** for online assignments are firm. Exceptions will be considered only for valid reasons (see below under Exam Make-Up Policy).

Assignments, Quizzes, Discussions, & Exams

Three important things:

1. Assignments, Quizzes, Discussions, and Exams are due Sunday at midnight.
2. Discussions have two deadlines. By the end of the first week, you must respond to my question. By the end of the second week, you must make three responses to classmates' posts.
3. All due dates are listed in this syllabus (last page) and in the calendar on Canvas from the first day of the semester and will not change.

Make-up policy: Requirements for 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>.

Note that if you need to miss an exam for a valid reason, you should provide advanced notice if possible and will need appropriate documentation. Please contact the instructor as soon as possible. Exam retakes without justification are at the discretion of the instructor and will automatically result in a 10-point deduction from the test score. Assignments lose 10% for each day they are late. Discussions and quizzes cannot be completed after the associated deadline.

Technical Difficulties: Any student who has technical trouble with an exam must first contact the UF Computing Help Desk (<http://helpdesk.ufl.edu>) and obtain a ticket number. Please do this before contacting the instructor. Requests to reopen an assessment without an IT Help Desk Ticket number will not be considered.

Quizzes: Each module has associated quizzes that review the class material. Quizzes are found under the Quizzes tab. There are 14 quizzes worth 6 points each. The lowest quiz score is dropped so only 13 quizzes count towards your grade.

Assignments: There are three, insect-based assignments over the course of the semester. One involves purchasing a kit to rear butterfly larvae. These animals take a significant amount of time to develop so make sure you check out the instructions for that assignment on the course site and purchase your butterfly kit immediately. You are required to provide proof that you completed the assignment by providing an image of your photo ID with the developing larvae. If no proof is provided either a photo or proof of purchase, you will receive a zero for that assignment.

Discussions: All students are required to participate in the weekly discussions. To receive full credit, you must:

1. Respond to the original post by Sunday at midnight of the first week the discussion.
2. Respond to three classmates' posts by Sunday at midnight the second week of the discussion.
3. Every post must end in a question that helps to move the discussion forward. If you don't end in a question, you cannot receive full credit.

For an example of how to participate in a discussion and a high-quality discussion post, look in the Discussion topic called Course Questions.

Exams: There are three non-cumulate, closed book (no use of notes or other resources), online exams. These exams are timed. The first two exams have 30 questions and must be completed in 30 minutes. The third exam has 60 questions and must be completed in 60 minutes. The exams open at 7 am on a Sunday and close at midnight on Monday.

Study Tips: Review each lecture topic via the ungraded review quizzes that are provided under the Quizzes tab. Use the learning objectives at the beginning of each lecture to guide your study efforts.

Requirements and Grading

Course grades are based on quizzes, assignments, discussions, and exams. The grading scale is based on 300 possible points. Grades are absolute. There will be additional extra credit at the end of the semester or rounding of grades beyond the extra credit opportunities periodically posted in the announcements. Visit

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

Grade posting: Grade are posed in the online Gradebook on Canvas. If you have questions about grades that have been posted, please email us using "Teachers" as the recipient in the Canvas email tool with your question or schedule an appointment to meet.

Item	% grade	#
Exam 1	10	30
Exam 2	10	30
Exam 3	20	60
Quizzes (14, drop	26	78
Assignments (3)	15	45
Discussions (6)	19	57

Grading Scale	Min. Pts. Required
A	93-100
A-	<93
B+	<90
B	<87
B-	<83
C+	<80
C	<77
C-	<73
D+	<70
D	<67
D-	<63
E	<60

Course Evaluation

Student assessment of instruction is an important part of efforts to improve teaching and learning. At the end of the semester, students are expected to provide feedback on the quality of instruction in this course using a standard set of university and college criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>. Evaluations are typically open for students to complete during the last two or three weeks of the semester; students will be notified of the specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results>.

Student Complaints

For an online course, students can report complaints to: <http://www.distance.ufl.edu/student-complaint-process>

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/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.

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/

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

Counseling Services Groups and Workshops Outreach and Consultation Self-Help Library
Wellness Coaching

U Matter We Care, www.umatter.ufl.edu/

Career Connections Center, First Floor JWRU, 392-1601, <https://career.ufl.edu/>

Sample Syllabus

Week	Date	Topic	Deliverables Due Sunday @ Midnight
1	Aug 20	Module 1: Course Introduction Why Study Insects LIU Episode 1, Part 1	8/25 Introduce Yourself 8/25 Quiz 1 8/25 Quiz 2
2	Aug 26	Module 2: Zoological Nomenclature and Classification Intro to Arthropods and Arachnids LIU 3: Silk Spinners	9/1 Quiz 3 9/1 Purchase Butterfly kit
3	Sep 2	Module 3: Insect Structure & Development Molting	9/8 Quiz 4 9/8 Discussion 1, part 1 9/8 Insects in the News
4	Sep 9	Module 4: Insect Orders 1 & 2 LIU 1 Exam covers Modules 1-4 in Weeks 1-4	9/15 Quiz 5 9/15 Discussion 1, part 2 9/15 EXAM 1 OPENS 7 AM
5	Sep 16	Module 5: Insect Orders 3 & 4	9/16 EXAM 1 CLOSSES 11:59 PM 9/22 Quiz 6 9/22 Discussion 2, part 1
6	Sep 23	Module 6: Chemical Communication Social Insects	9/29 Discussion 2, part 2 9/29 Quiz 7
7	Sep 30	Module 6 (continued): Relatedness LIU 5	10/6 Discussion 3, part 1 10/6 Quiz 8
8	Oct 7	Module 7: Phylogenetics Natural Selection & Speciation	10/13 Discussion 3, part 2 10/13 Quiz 9
9	Oct 14	Module 7 (continued): Adaptive Coloration Mimicry Exam 2 covers Modules 5-7 in Weeks 5-9, including all insect orders!	10/20 Discussion 4, part 1 10/20 Quiz 10 10/20 EXAM 2 OPENS 7 AM
10	Oct 21	Module 8: Pollination Biology 1 & 2 LIU 4	10/21 EXAM 2 CLOSSES 11:59 PM 10/27 Discussion 4, part 2 10/27 Quiz 11
11	Oct 28	Module 9: Reconsidering the Scientific Method Model Organisms	11/3 Discussion 5, part 1 11/3 Insect Short Report

THIS IS A SAMPLE SYLLABUS – Current course syllabus is available within Canvas

12	Nov 4	Module 9 (continued): Invasive Species	11/10 Discussion 5, part 2 11/10 Quiz 12
13	Nov 11	Module 10: Insects and Disease	11/17 Discussion 6, part 1 11/17 Quiz 13
14	Nov 18	Module 11: Insects as Weapons Insects and Art Insects and Industry	11/24 Discussion 6, part 2 11/24 Quiz 14
15	Nov 25	Thanksgiving: No lecture topics	12/1 Butterfly Rearing Assignment
16	Dec 2	No new topics	12/2 EXAM 3 OPENS 7 AM 12/4 EXAM 3 CLOSSES

Sample Syllabus