

Entomology 1260: Introductory Insect Field Biology

Instructor

Dr. Joseph M. Raczkowski, Department of Entomology, The Ohio State University
Email: raczkowski.2@osu.edu

Course Logistics

One-week course held at Stone Laboratory, Put-in-Bay, Ohio, July 30 - August 5, 2017.
Sunday check-in and orientation. Class meets Sunday evening; Monday-Friday, 8 am - 5 pm with breaks for lunch and dinner (further evening class activities may also be scheduled); and Saturday, 8 am - 12 pm.

Course Format

2 semester credit hours consisting of lecture, field work and laboratory time

Course Description

An introduction to the biology of insects and their relatives, with emphasis on behavior, ecology, and diversity; collection is required.

- Objectives: 1. To introduce the basic anatomy, life cycles, and diversity of insects in the western Lake Erie region.
2. To introduce commonly used insect collecting techniques and procedures for preserving specimens in a collection.
3. To improve the understanding of the natural history and ecological importance of insects in the environment.

Course Outline (Subject to Change)

- Day 1 (Sun): PM Introduction to course
- Day 2 (Mon): AM Insect anatomy and identification
PM Collecting on South Bass I.
EVENING Pinning and preserving
- Day 3 (Tue): AM More about major arthropod groups
PM Collecting trip to Middle Bass Island
EVENING Pinning and preserving
- Day 4 (Wed): AM/PM Collecting trip to Kelleys Island
EVENING Quiz, work on collection, project
- Day 5 (Thu): AM Insect ecology
PM Return to South Bass if needed
EVENING Work on collections

Day 6 (Fri): AM Insect ecology and behavior, Quiz
PM/EVENING Finish collections and submit

Day 7 (Sat): AM Final exam, collection & project due

Course Materials

Eaton & Kaufman, Field Guide to Insects of North America

Grading Information

Collection (60%): Make a collection of 60 different families of arthropods, (yes, spiders are ok), correctly preserved, labeled and identified. You may take the collection home with you for future reference. We will *not* deduct points for bugs that come back to life while on a pin.

Project (20%): Find a place where insects (or their relatives) are present. This could be a dead fish on the shore, a spiderweb, a group of flowers, under a log ... almost anywhere (as long as it's on Gibraltar Island). Revisit this spot at different times of the day and evening, and keep notes on what you observe. Write a paper of at least 4 pages describing what you saw and interpreting your observations in the light of what you've learned. Submit your notes along with the paper. If you want to work with a partner on your project, that's ok but each of you must turn in his/her own paper.

Quizzes (5%): Quizzes designed to test your ability to identify insects. The lower score of the two quizzes will be dropped from final grade calculation.

Final Exam (15%): Questions designed to test what you have learned. It will cover both in-class presentations as well as some of the observations we have made in the field, especially if we've seen the same things over and over again.

Grading Scale

The course is graded on a percentage basis.

Grade %

A	93-100
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	63-66
E	62 and below

Attendance Policy

Students are expected to actively participate in all class sessions, including lectures, fieldwork and laboratory time.

Academic Misconduct

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed: illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>.

Disability Services

Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated and should inform the instructor as soon as possible of their needs. The Office for Disability Services is located in **089 Baker Hall, 113 W. 12th Ave.;** telephone **614-292-3307, TDD 614-292-0901; <http://www.slds.osu.edu/>.**