

ENTMLGY 4600 - Introduction to Insect Science Syllabus

Instructor:

Dr. Joseph Raczkowski
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All questions about the course should be directed to Dr. Raczkowski, preferably via email.

Contributing faculty:

Dr. Joseph Raczkowski: Module 1- Where do Arthropods fit into all living organisms?
Module 2 - Arthropod Diversity

Dr. Celeste Welty: Module 3 - Hexapod Diversity, Lower Orders
Module 4 - Hexapod Diversity, Higher Orders

Dr. Joseph Raczkowski: Module 5 - Digestion and Excretion
Module 6 - Respiration and Circulation
Module 7 - Nervous System, Perception, Endocrine System

Dr. Luis Canas and
Dr. David Shetlar: Course design

Learning Objectives

This course provides basic information on insects to students intending to take additional coursework in entomology. By the time the student completes this course, they will:

- 1) Understand the five kingdoms of life and arthropods' place in it.
- 2) Be able to identify the main physical/morphological characteristics of arthropods, and the biodiversity of important classes of non-insect arthropods.
- 3) Have a basic understanding of insect structure, life cycles, and diversity at the ordinal level.
- 4) Understand the basic organ systems of insects, the underlying physiology, and identify and discuss comparable systems in humans.

Course structure

The course is entirely online and consists of seven modules that cover various aspects of insect biology. A quiz is due every Tuesday, starting September 1, 2020. Students are required to view the module overview and the module lecture before taking a 30-point quiz (15 questions, 2 points each) on the material. Students are given two attempts to take the quiz and the highest score will be recorded. Students will have one attempt to take the comprehensive final exam (70 questions, 3 points each). Posting Packback Questions and Answers (6 Questions and 12 Answers) is required with the first submissions due on Sept 1, 2020.

Course Schedule

Week 1	Module 1 - Where do arthropods fit into all living organisms?
Week 2	Module 2 - Arthropod diversity
Week 3	Module 3 - Hexapod Diversity, Lower Orders
Week 4	Module 4 - Hexapod Diversity, Higher Orders
Week 5	Module 5 - Digestion and Excretion
Week 6	Module 6 - Respiration and Circulation
Week 7	Module 7 - Nervous System, Perception, Endocrine System

Quizzes and Final Exam Due Dates

Quiz 1	October 22
Quiz 2	October 29
Quiz 3	November 5
Quiz 4	November 12
Quiz 5	November 19
Quiz 6	November 26
Quiz 7	December 3
Final Exam	December 7

Packback Due Dates

October 22
October 29
November 5
November 12
November 19
November 26
December 3

* See Packback Syllabus and Packback First Day of Class for more details

Grades:

7 Quizzes (30 points each)	= 210
Final Exam	= 210
<u>Packback Activites</u>	<u>= 80</u>
Total Points	= 500

Grading Scale

93-100	A
90-92.9	A-
87-89.9	B+
83-86.9	B
80-82.9	B-
77-79.9	C+
73-76.9	C
70-72.9	C-
67-69.9	D+
60-66.9	D
<60	E

Course technology

For help with your password, university e-mail, Carmen, or any other technology issues, questions, or requests, contact the OSU IT Service Desk. Standard support hours are available at <https://ocio.osu.edu/help/hours>, and support for urgent issues is available 24x7.

Self-Service and Chat support: <http://ocio.osu.edu/selfservice>

Phone: 614-688-HELP (4357)

Email: 8help@osu.edu

TDD: 614-688-8743

Baseline technical skills necessary for online courses:

Basic computer and web-browsing skills

Navigating Carmen

Accessibility of course technology

This online course requires use of Carmen (Ohio State's learning management system).

If you need additional services to use these technologies, please request accommodations with your instructor.

Academic integrity policy for this online course

Quizzes and exams: You must complete the quizzes and final exam yourself.

Academic Misconduct

Academic integrity is essential to maintaining an environment that fosters excellence in teaching, research, and other educational and scholarly activities. Thus, The Ohio State University and the Committee on Academic Misconduct (COAM) expect that all students have read and understand the University's Code of Student Conduct, and that all students will complete all academic and scholarly assignments with fairness and honesty. Students must recognize that failure to follow the rules and guidelines established in the University's Code of Student Conduct and this syllabus may constitute

The Ohio State University's Code of Student Conduct (Section 3335-23-04) defines academic misconduct as: Any activity that tends to compromise the academic integrity of the University, or subvert the educational process. Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. Ignorance of the University's Code of Student Conduct is never considered an excuse for academic misconduct, so I recommend that you review the Code of Student Conduct and, specifically, the sections dealing with academic misconduct.

If I suspect that a student has committed academic misconduct in this course, I am obligated by University Rules to report my suspicions to the Committee on Academic Misconduct. If COAM determines that you have violated the University's Code of Student Conduct (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the University.

If you have any questions about the above policy or what constitutes academic misconduct in this course, please contact me
Safe and Healthy Buckeyes

Health and safety requirements:

All students, faculty and staff are required to comply with and stay up to date on all university safety and health guidance (<https://safeandhealthy.osu.edu>), which includes wearing a face mask in any indoor space and maintaining a safe physical distance at all times. Non-compliance will result in a warning first, and disciplinary actions will be taken for repeated offenses.

Disability Accommodations

The university strives to make all learning experiences as accessible as possible. In light of the current pandemic, students seeking to request COVID-related accommodations may do so through the university's request process, managed by Student Life Disability Services. If you anticipate or experience academic barriers based on your disability (including mental health, chronic, or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: slds@osu.edu; 614-292-3307; slds.osu.edu; 098 Baker Hall, 113 W. 12th Avenue.

Counseling and Consultation Services/Mental Health

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life Counseling and Consultation Services (CCS) by visiting ccs.osu.edu or calling (614) 292- 5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at (614) 292-5766 and 24 hour emergency help is also available through the 24/7 National Prevention Hotline at 1-(800)-273-TALK or at suicidepreventionlifeline.org.

David Wirt, wirt.9@osu.edu, is the CFAES embedded mental health counselor. He is available for new consultations and to establish routine care. To schedule with David, please call 614-292-5766. Students should mention their affiliation with CFAES when setting up a phone screening.

Creating an environment free of harassment, discrimination, and sexual misconduct

The Ohio State University is committed to building and maintaining a community to reflect diversity and to improve opportunities for all. All Buckeyes have the right to be free from harassment, discrimination, and sexual misconduct. Ohio State does not discriminate on the basis of age, ancestry, color, disability, ethnicity, gender, gender identity or expression, genetic information, HIV/AIDS status, military status, national

origin, pregnancy (childbirth, false pregnancy, termination of pregnancy, or recovery therefrom), race, religion, sex, sexual orientation, or protected veteran status, or any other bases under the law, in its activities, academic programs, admission, and employment. Members of the university community also have the right to be free from all forms of sexual misconduct: sexual harassment, sexual assault, relationship violence, stalking, and sexual exploitation.

To report harassment, discrimination, sexual misconduct, or retaliation and/or seek confidential and non-confidential resources and supportive measures, contact the Office of Institutional Equity:

1. Online reporting form at equity.osu.edu,
2. Call 614-247-5838 or TTY 614-688-8605,
3. Or Email equity@osu.edu

The university is committed to stopping sexual misconduct, preventing its recurrence, eliminating any hostile environment, and remedying its discriminatory effects. All university employees have reporting responsibilities to the Office of Institutional Equity to ensure the university can take appropriate action:

- All university employees, except those exempted by legal privilege of confidentiality or expressly identified as a confidential reporter, have an obligation to report incidents of sexual assault immediately.
- The following employees have an obligation to report all other forms of sexual misconduct as soon as practicable but at most within five workdays of becoming aware of such information: 1. Any human resource professional (HRP); 2. Anyone who supervises faculty, staff, students, or volunteers; 3. Chair/director; and 4. Faculty member.

This course adheres to The Principles of Community adopted by the College of Food, Agricultural, and Environmental Sciences. These principles are located on the Carmen site for this course; and can also be found at <https://go.osu.edu/principlesofcommunity>. For additional information on Diversity, Equity, and Inclusion in CFAES, contact the CFAES Office for Diversity, Equity, and Inclusion (<https://equityandinclusion.cfaes.ohio-state.edu/>). If you have been a victim of or a witness to a bias incident, you can report it online and anonymously (if you choose) at <https://studentlife.osu.edu/bias/report-a-bias-incident.aspx>.

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