

ENY4932: Entomology Research Exploration
Seminar Spring, 1 Credit
Lecture time and location: Friday, 10:40 am-11:30 am
Room 1031, Steinmetz Hall

Instructors:

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Lecture delivery mode: In-person

Office Hours: After the class or by appointment

Course Overview: This course is designed to give students an overall idea about the diverse research scope in Entomology by directly learning about ongoing research by top-notch researchers around the United States. The class consists of multiple seminars throughout the semester, each of which an invited researcher will share his/her/their research through an interactive PowerPoint presentation. At the end of the presentation, the floor is open for the students to ask questions, learn, and discuss more about the research. Additionally, the course instructions will discuss the scope of entomology research and its diversity and how to deliver research talks to different audiences. Additionally, students will have the opportunity to network with the invited seminar speakers.

Learning Objectives: By the end of this course, students will be able to:

1. Identify specific areas of entomology research they wish to pursue in the future.
2. Gain a foundational understanding of the breadth and significance of the field of entomology.
3. Acquire an overview of current entomology research trends in the United States.
4. Develop skills for presenting research findings to various audience groups.
5. Become familiar with different entomology graduate programs in the US and entomology conferences where they can present their research or engage in professional development opportunities.

Prerequisites: There are no prerequisites for this course. However, a prior background in entomology/biology will be helpful in understanding the essence of the seminar talks.

Required materials: No textbook is required.

Graded Work and Assignments:

Attendance (15 points): Attendance is mandatory since there are points for attendance. Please let us know if you can't be present for a class. Make-up work will be provided if you want to get the attendance point for that class you missed; however, that opportunity will be available for only one absence occurrence.

Introduction (5 points): Please post an introduction of yourself on the Canvas page, detailing your background, interests, career goals, and the reasons for enrolling in this seminar course, as well as your expectations for the class. This submission is due by 11:59 pm on January 16th, 2025.

PowerPoint Presentation (55 points): At the end of the semester, each student is required to deliver a 10-minute PowerPoint presentation. The presentation should focus on a published research paper of your choice within a field of interest. You may select a paper presented by one of our seminar speakers or choose a different one. If you have difficulty selecting a paper, we will assist you in the selection process. The objective of this assignment is to provide you with the opportunity to present research to an audience. Your presentation will be evaluated using the Entomological Society of America's (ESA) Student 10-Minute Paper Competition rubrics, allowing you to become familiar with this prestigious competition. For students interested in pursuing research in entomology, this experience will be valuable preparation, as you may have the opportunity to participate in an ESA competition in the future. Additionally, you will receive anonymous feedback and evaluations from instructors and peers to help you improve your presentation skills for future opportunities.

Filling Out the Presentation Review Form (10 points): You must complete at least two review forms, providing evaluations and constructive feedback on your classmates' presentations. While your feedback will remain anonymous to your peers, the instructor will be able to identify the reviewer. The review forms will be assessed based on the quality of your analysis and the thoughtfulness of your comments.

Seminar Summary (15 Points): You are required to write a one-page summary of a presentation that you found particularly interesting during the seminar series, delivered by one of our guest speakers. The summary should be between 300 and 500 words. We will discuss the details and expectations of this assignment further during class.

Grade Breakdown:

Activity	Points
Attendance	15
Introduction	5
PowerPoint Presentation	55
Review form	10
Seminar summary assignment	15
Total	100

Grading Scale:

Grade	Percentage (%)
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
D-	60-62
E	0-59

Course Schedule:

Week	Date	Seminar topic	Seminar Speaker/Instructor
1	Jan 17	Insect Ecology and Biological Pest Control	Jessica Kansman, Montana State University
2	Jan 24	IPM of Field Crop Pests	Julie Peterson, University of Nebraska-Lincoln
3	Jan 31	TBD	TBD
4	Feb 7	Know Your Audience: Optimizing Research Presentation for Target Audiences	Tafsir /Andrew Mongue
5	Feb 14	Extension Entomology	Erin Hodgson, Iowa State University
6	Feb 21	Medical Entomology, Integrated Mosquito Management Research and Extension	Eva Buckner, University of Florida
7	Feb 28	Ecological and Evolutionary Physiology	Goggy Davidowitz, University of Arizona
8	Mar 7	Chemical Ecology and Plant-Insect interactions	Andre Kessler, Cornell University
9	Mar 14	Small Fruit Crops Entomology	Sriyanka Lahiri, UF/IFAS Gulf Coast Research & Extension Center
10	Mar 21	Veterinary & Urban Entomology	Edwin R. Burgess IV
11	Mar 28	Insect Systematics, Honey Bee Toxicology and Insect-Microbe Interactions	Andrea Lucky, Cameron Jack & Adam C.N. Wong
12	Apr 4	No Class (Reading Week)	
13	Apr 11	Exam	
14	Apr 18	Exam	
15	Apr 25	Exam	

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>.