Insect Ecology Lecture
ENY 6203, Fall 2022, 3 credit

Delivery: face-to-face, online synchronous, online asynchronous
Lecture time and location: MWF, 11:45am-12:35pm, Steinmetz 1031
Zoom: https://ufl.zoom.us/j/91666525164?pwd=QnVPeTITQXRI0NWKnJUdVBRckhBUT09

Instructor: Phil Hahn, office: Steinmetz 2109, phone: (352) 273-3960, email: hahnp@ufl.edu,
zoom meeting room: https://ufl.zoom.us/j/7044620919

Office Hours: After lecture or email to arrange a time. All meetings will occur in my office or via Zoom (https://ufl.zoom.us/j/7044620919).

Lecture: All Gainesville students are expected to attend in person. REC students are expected to join synchronously via zoom. Online students are welcome to join synchronously via zoom or can view the recorded lecture asynchronously. All lectures will be recorded and posted on Canvas within 24 hours.

Course Description: This course is an introduction to ecological concepts with emphasis on insects. The relationships of insects with their biotic and physical environments, along with the roles of insects in nature, will be emphasized. The basics of ecological research will be covered.

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

- Explain fundamental ecological principles in population, community, landscape, and ecosystem ecology using insects as examples
- Describe the theoretical underpinning for understanding the causes and consequences of how insects interact with other species
- Translate ecological literature into lay public-accessible scientific news
- Apply fundamental ecological principles underlying the development and application of insect pest management and insect conservation
- Evaluate and critique primary ecological literature for content and scientific quality
- Synthesize and communicate scientific results to an audience

Prerequisites:
ENY 3005, Principles of Entomology, or equivalent

Required Materials:

Attendance and Make-Up Work: Students are expected to attend all sessions either in person or via zoom. Asynchronous students are expected to watch the videos and complete the exercises posted to Canvas. Please contact the instructor in advance if you plan to miss a class.
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
Structure of the Course
This course is designed to be very interactive so expect to be actively engaging with the material, either by asking questions, describing ecological processes, or discussing concepts with the instructor and peers. Mondays and Wednesdays will be spent presenting and discussing new content. Lectures will utilize PowerPoint presentations, handouts, discussions, and group activities. Occasionally, there will be additional readings, short videos, or other instructional materials utilized during class. Once per week (Fridays) we will discuss a scientific paper.

Assessment & Evaluation
Discussion: Fridays will be spent discussing a paper from the scientific literature related to that week’s topic. Discussion days may vary, for example if a holiday disrupts the schedule, so keep an eye on canvas for exact discussion dates. One or two students will be assigned to present a summary of the paper and lead the discussion (graduate students only). There will be one presentation and discuss per week led by a single group. Students attending synchronously will present live (posted on zoom after class); asynchronous students will post a narrated PowerPoint to Canvas prior to lecture. All synchronous students are expected to participate in discussion, while asynchronous students should post comments on the canvas discussion forum. All graduate students will be expected to be actively participate in discussions when not presenting. Discussion points will be awarded for sharing answers to general discussion questions posted on Canvas and providing additional thoughts during the discussion.

Insect Ecology in the News (blog posts and responses): Each week a student(s) will sign up to write a blog to post to canvas. Student will work independently to select a recent paper from the ecological literature related to the lecture topic for the week and write a press release of the article (700-800 words for graduate students). In the two weeks following the blog posts, graduate students will be expected to read and respond to four blog posts.

Writing assessments: Exams will be take-home open book exams. Questions will be a mix of short-answer, long-answer, and essay questions. All students will have at least 48 hours to complete the exams.

Available Points and critical dates

<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
<th>Percent of grade</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussion participation (13 total, 10 points per discussion)</td>
<td>130</td>
<td>19%</td>
<td>Semester long</td>
</tr>
<tr>
<td>Discussion presentation</td>
<td>50</td>
<td>7%</td>
<td>Varies</td>
</tr>
<tr>
<td>Insect Ecology in the News (blog post)</td>
<td>100</td>
<td>15%</td>
<td>Oct 20</td>
</tr>
<tr>
<td>Insect Ecology in the News Responses (4 total, 25 points each)</td>
<td>100</td>
<td>15%</td>
<td>Nov 12</td>
</tr>
<tr>
<td>Exam 1</td>
<td>100</td>
<td>15%</td>
<td>Sept 22</td>
</tr>
<tr>
<td>Exam 2</td>
<td>100</td>
<td>15%</td>
<td>Oct 27</td>
</tr>
<tr>
<td>Exam 3</td>
<td>100</td>
<td>15%</td>
<td>Dec 11-17</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>680</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Final Grade - Lecture

<table>
<thead>
<tr>
<th>Scale: percentage</th>
<th>Letter grade</th>
<th>Minimum points required</th>
</tr>
</thead>
<tbody>
<tr>
<td>93-100</td>
<td>A</td>
<td>632</td>
</tr>
<tr>
<td>90-92.99</td>
<td>A-</td>
<td>612</td>
</tr>
<tr>
<td>87-89.99</td>
<td>B+</td>
<td>592</td>
</tr>
<tr>
<td>83-86.99</td>
<td>B</td>
<td>564</td>
</tr>
<tr>
<td>80-82.99</td>
<td>B-</td>
<td>544</td>
</tr>
<tr>
<td>77-79.99</td>
<td>C+</td>
<td>524</td>
</tr>
<tr>
<td>73-76.99</td>
<td>C</td>
<td>496</td>
</tr>
<tr>
<td>70-72.99</td>
<td>C-</td>
<td>476</td>
</tr>
<tr>
<td>60-69.99</td>
<td>D</td>
<td>408</td>
</tr>
<tr>
<td>0-59.99</td>
<td>E</td>
<td>≤ 407</td>
</tr>
</tbody>
</table>

### Weekly Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Lecture module</th>
<th>Lecture Topic</th>
<th>Lecture Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>24-Aug</td>
<td>1</td>
<td>Overview of Insect Ecology</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>29-Aug</td>
<td>2</td>
<td>Insects and climate</td>
<td>*Lead discussion</td>
</tr>
<tr>
<td>3</td>
<td>5-Sep</td>
<td>3</td>
<td>Life history strategies</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><em>Monday holiday</em></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>12-Sep</td>
<td>4</td>
<td>Resource niche and competition</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>19-Sep</td>
<td>5</td>
<td>Plant-herbivore interactions I</td>
<td>Writing assessment 1</td>
</tr>
<tr>
<td>6</td>
<td>26-Sep</td>
<td>5</td>
<td>Plant-herbivore interactions II</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>3-Oct</td>
<td>6</td>
<td>Mutualisms</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><em>Friday Homecoming</em></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>10-Oct</td>
<td>7</td>
<td>Predator-prey interactions I</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>17-Oct</td>
<td>7</td>
<td>Predator-prey interactions II</td>
<td>News blog</td>
</tr>
<tr>
<td>10</td>
<td>24-Oct</td>
<td>8</td>
<td>Community ecology I</td>
<td>Writing assessment 2</td>
</tr>
<tr>
<td>11</td>
<td>31-Oct</td>
<td>8</td>
<td>Community ecology II</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>7-Nov</td>
<td>8</td>
<td>Landscape ecology I</td>
<td>Blog responses</td>
</tr>
<tr>
<td>13</td>
<td>14-Nov</td>
<td>9</td>
<td>Landscape ecology II</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>21-Nov</td>
<td>9</td>
<td>Ecosystem ecology I</td>
<td>No Discussion</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><em>Wed &amp; Fri holiday</em></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>28-Nov</td>
<td>10</td>
<td>Ecosystem ecology II</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>5-Dec</td>
<td></td>
<td>Wrap-up and review</td>
<td></td>
</tr>
<tr>
<td>10-16</td>
<td>Dec</td>
<td></td>
<td>Final exam week</td>
<td>Writing assessment 3</td>
</tr>
</tbody>
</table>

* Leading discussion date will depend on your selected paper/topic

**Schedule subject to change**
**Reading List for Discussion** (numbers correspond to week):

   News article: [https://www.sciencenews.org/article/insect-apocalypse-declines-biodiversity](https://www.sciencenews.org/article/insect-apocalypse-declines-biodiversity)

**Grades and Grade Points**: More information on UF grading policy may be found at: [UF Graduate Catalog](http://www.ufl.edu/Registrar/catalog/gradCatalog.html) [Grades and Grading Policies](http://www.ufl.edu/Registrar/catalog/gradCatalog.html)

**Course Evaluation**

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. [Click here for guidance on how to give feedback in a professional and respectful manner.](https://www.gatorevals.com/gatornews/2019/06/24/gatornews-20190624) Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via ufl.bluera.com/ufl/. [Summaries of course evaluation results are available to students here.](http://www.ufl.edu/Registrar/catalog/gradCatalog.html)

**University Honesty Policy**: UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to
the highest standards of honor and integrity by abiding by the Honor Code. On all work
submitted for credit by students 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.” The Honor Code specifies a number of behaviors that are in violation of this
code and the possible sanctions. Furthermore, you are obligated to report any condition that
facilitates academic misconduct to appropriate personnel. If you have any questions or concerns,
please consult with the instructor or TAs in this class.

Online recording policy: Our class sessions will be audio visually recorded for students in
the class to refer back and for enrolled students who are unable to attend live. Students who
participate with their camera engaged or utilize a profile image are agreeing to have their video
or image recorded. If you are unwilling to consent to have your profile or video image recorded,
be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute
during class and participate orally are agreeing to have their voices recorded. If you are not
willing to consent to have your voice recorded during class, you will need to keep your mute
button activated and communicate exclusively using the "chat" feature, which allows students to
type questions and comments live. The chat will not be recorded or shared. As in all courses,
unauthorized recording and unauthorized sharing of recorded materials is prohibited.

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. We, the
members of the University of Florida community, pledge to uphold ourselves and our peers to the
highest standards of honesty and integrity.

Student Privacy
There are federal laws protecting your privacy with regards to grades earned in courses and on
individual assignments. For more information, please see the Notification to Students of FERPA
Rights.

Statement of diversity, equity, and inclusion: It is my goal that students from diverse
backgrounds, as well as differences in learning styles and personality, will be welcomed and well
served in this course. My definition of diversity includes race, ethnicity, gender, sexual
orientation, physical ability, cultural, academic or economic background. I plan to present the
material in such a way that it is accessible and relatable to all students. I encourage you to
contact me if you have suggestions for how I can improve upon this goal. It is also expected that
students will treat each other with respect and no harassment of any kind will be allowed. To
report harassment, inappropriate behavior, or discuss issues with a neutral party, please contact
the UF RESPECT Team.

Students Requiring Accommodations:
Students with disabilities who experience learning barriers and would like to request academic
accommodations should connect with the Disability Resource Center. It is important for students
to share their accommodation letter with their instructor and discuss their access needs, as early
as possible in the semester.
Student Feedback and Complaints:
I am always interested to hear feedback from students on how to improve this course. The goal, overall, is for students to get as much out of this course as possible. Please contact me with any thoughts or comments you have that might improve the course. When possible, I will incorporate this feedback immediately. Other times, changes may be implemented to improve future versions of this course. To register formal complaints, please refer to the following:
• Residential Course: https://seccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/
• Online Course: https://distance.ufl.edu/getting-help/

In-Class Recording Policy:
Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A “class lecture” is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without permission of the instructor is prohibited. To “publish” means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

Campus Resources:
Health and Wellness

<table>
<thead>
<tr>
<th>U Matter, We Care:</th>
</tr>
</thead>
<tbody>
<tr>
<td>If you or a friend is in distress, please contact <a href="mailto:umatter@ufl.edu">umatter@ufl.edu</a> or 352 392-1575 so that a team member can reach out to the student.</td>
</tr>
</tbody>
</table>

| Counseling and Wellness Center: counseling.ufl.edu/cwc, and 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies. |

| Sexual Assault Recovery Services (SARS) |
Student Health Care Center, 392-1161.

University Police Department at 392-1111 (or 9-1-1 for emergencies), or police.ufl.edu.

Academic Resources

E-learning technical support, 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu.

Career Resource Center, Reitz Union, 392-1601. Career assistance and counseling.

Library Support, Various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring.

Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers.

Student Complaints Campus

On-Line Students Complaints