

## Cover Sheet: Request 16072

### Insect Ecology Lab new undergraduate course

#### Info

Process	Course New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Philip Hahn hahnp@ufl.edu
Created	4/7/2021 4:35:35 PM
Updated	9/12/2021 11:36:29 AM
Description of request	I am requesting to offer a new course, ENY4xxxL Insect Ecology Lab. A graduate version of this course is currently offered (ENY6203L). There is a lecture associated with this course, which I have submitted as a separate request (ENY4xxx).

#### Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Entomology and Nematology 60140000	Heather Mcauslane		4/9/2021
ENY4xxxL CALS CC Checklist.pdf					4/7/2021
ENY6203L Insect Ecology Lab_F21.docx					4/7/2021
College	Approved	CALS - College of Agricultural and Life Sciences	Joel H Brendemuhl	Requested edits of the CALS CC have been addressed.	6/2/2021
ENY4xxxL Insect EcologyLab_DRAFT_v3.docx					6/2/2021
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			6/2/2021
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Catalog					
No document changes					
Student Academic Support System					
No document changes					
College Notified					
No document changes					

# Course|New for request 16072

## Info

**Request:** Insect Ecology Lab new undergraduate course

**Description of request:** I am requesting to offer a new course, ENY4xxxL Insect Ecology Lab. A graduate version of this course is currently offered (ENY6203L). There is a lecture associated with this course, which I have submitted as a separate request (ENY4xxx).

**Submitter:** Joel H Brendemuhl brendj@ufl.edu

**Created:** 6/2/2021 3:23:36 PM

**Form version:** 3

## Responses

### Recommended Prefix

*Enter the three letter code indicating placement of course within the discipline (e.g., POS, ATR, ENC). Note that for new course proposals, the State Common Numbering System (SCNS) may assign a different prefix.*

Response:

ENY

### Course Level

*Select the one digit code preceding the course number that indicates the course level at which the course is taught (e.g., 1=freshman, 2=sophomore, etc.).*

*Note: 5000 level courses must be submitted through the undergraduate new course process*

Response:

4

### Course Number

*Enter the three digit code indicating the specific content of the course based on the SCNS taxonomy and course equivalency profiles. For new course requests, this may be XXX until SCNS assigns an appropriate number.*

Response:

xxx

### Category of Instruction

*Indicate whether the course is introductory, intermediate or advanced. Introductory courses are those that require no prerequisites and are general in nature. Intermediate courses require some prior preparation in a related area. Advanced courses require specific competencies or knowledge relevant to the topic prior to enrollment.*

Response:

Advanced

- 1000 level = Introductory undergraduate
- 2000 level = Introductory undergraduate
- 3000 level = Intermediate undergraduate
- 4000 level = Advanced undergraduate
- 5000 level = Introductory graduate
- 6000 level = Intermediate graduate
- 7000 level = Advanced graduate
- 4000/5000= Joint undergraduate/graduate
- 4000/6000= Joint undergraduate/graduate

*\*Joint undergraduate/graduate courses must be approved by the UCC and the Graduate Council)*

**Lab Code**

*Enter the lab code to indicate whether the course is lecture only (None), lab only (L), or a combined lecture and lab (C).*

Response:

L

**Course Title**

*Enter the title of the course as it should appear in the Academic Catalog. There is a 100 character limit for course titles.&nbsp;*

Response:

Insect Ecology Lab

**Transcript Title**

*Enter the title that will appear in the transcript and the schedule of courses. Note that this must be limited to 30 characters (including spaces and punctuation).*

Response:

Insect Ecology Lab

**Degree Type**

*Select the type of degree program for which this course is intended.*

Response:

Baccalaureate

**Delivery Method(s)**

*Indicate all platforms through which the course is currently planned to be delivered.*

Response:

On-Campus

**Co-Listing**

*Will this course be jointly taught to undergraduate, graduate, and/or professional students?*

Response:

Yes

**Co-Listing Explanation**

*Please detail how coursework differs for undergraduate, graduate, and/or professional students. Additionally, please upload a copy of both the undergraduate and graduate syllabus to the request in .pdf format. For more information please see the [Co-Listed Graduate Undergraduate Courses Policy](#).*

Response:

The graduate version of this course is currently offered. Difference in assessments between ENY4xxxL and the current graduate-level offering ENY6203L

- Graduate students have one additional learning objective: Evaluate and critique primary ecological literature for content and scientific quality
- Graduate students provide a written critique of a scientific paper (50 points).
- All students will write paper based on the results of the herbivory lab. Additionally, graduate students will be required to submit a revised version of the paper addressing comments from the instructor (50 points).
- Total points for undergraduates = 400 and graduate students = 500. Points for graduate students is 25% great than for undergraduates.

### **Effective Term**

*Select the requested term that the course will first be offered. Selecting "Earliest" will allow the course to be active in the earliest term after SCNS approval. If a specific term and year are selected, this should reflect the department's best projection. Courses cannot be implemented retroactively, and therefore the actual effective term cannot be prior to SCNS approval, which must be obtained prior to the first day of classes for the effective term. SCNS approval typically requires 2 to 6 weeks after approval of the course at UF.*

Response:

Earliest Available

### **Effective Year**

*Select the requested year that the course will first be offered. See preceding item for further information.*

Response:

Earliest Available

### **Rotating Topic?**

*Select "Yes" if the course can&nbsp;have rotating (varying) topics. These course titles can vary by topic in the Schedule of Courses.*

Response:

No

### **Repeatable Credit?**

*Select "Yes" if the course may be repeated for credit. If the course will also have rotating topics, be sure to indicate this&nbsp;in the question above.*

Response:

No

### **Amount of Credit**

*Select the number of credits awarded to the student upon successful completion, or select "Variable" if the course will be offered with variable credit and then indicate the minimum and maximum credits per section. Note that credit hours are regulated by Rule 6A-10.033, FAC. If you select "Variable" for the amount of credit, additional fields will appear in which to indicate the minimum and maximum number of total credits.*

Response:

**S/U Only?**

Select "Yes" if all students should be graded as S/U in the course. Note that each course must be entered into the UF curriculum inventory as either letter-graded or S/U. A course may not have both options. However, letter-graded courses allow students to take the course S/U with instructor permission.

Response:

No

**Contact Type**

Select the best option to describe course contact type. This selection determines whether base hours or headcount hours will be used to determine the total contact hours per credit hour. Note that the headcount hour options are for courses that involve contact between the student and the professor on an individual basis.

Response:

Regularly Scheduled

- Regularly Scheduled [base hr]
- Thesis/Dissertation Supervision [1.0 headcount hr]
- Directed Individual Studies [0.5 headcount hr]
- Supervision of Student Interns [0.8 headcount hr]
- Supervision of Teaching/Research [0.5 headcount hr]
- Supervision of Cooperative Education [0.8 headcount hr]

Contact the Office of Institutional Planning and Research (352-392-0456) with questions regarding contact type.

**Weekly Contact Hours**

Indicate the number of hours instructors will have contact with students each week on average throughout the duration of the course.

Response:

2

**Course Description**

Provide a brief narrative description of the course content. This description will be published in the Academic Catalog and is limited to 500 characters or less. See course description guidelines.

Response:

This course is an introduction to ecological methods and analysis with emphasis on insects. Methods to explore 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.

**Prerequisites**

Indicate all requirements that must be satisfied prior to enrollment in the course. Prerequisites will be automatically checked for each student attempting to register for the course. The prerequisite will be published in the Academic Catalog and must be formulated so that it can be enforced in the registration system. Please note that upper division courses (i.e., intermediate or advanced level of instruction) must have proper prerequisites to

target the appropriate audience for the course.  
Courses level 3000 and above must have a prerequisite.  
Please verify that any prerequisite courses listed are active courses.

Response:  
BSC 2005(C) & BSC 2005L(C) or BSC 2010(C) & BSC 2010L(C)

Completing Prerequisites on UCC forms:

- Use “&” and “or” to conjoin multiple requirements; do not use commas, semicolons, etc.
- Use parentheses to specify groupings in multiple requirements.
- Specifying a course prerequisite (without specifying a grade) assumes the required passing grade is D-. In order to specify a different grade, include the grade in parentheses immediately after the course number. For example, “MAC 2311(B)” indicates that students are required to obtain a grade of B in Calculus I. MAC2311 by itself would only require a grade of D-.
- Specify all majors or minors included (if all majors in a college are acceptable the college code is sufficient).
- “Permission of department” is always an option so it should not be included in any prerequisite or co-requisite.
- If the course prerequisite should list a specific major and/or minor, please provide the plan code for that major/minor (e.g., undergraduate Chemistry major = CHY\_BS, undergraduate Disabilities in Society minor = DIS\_UMN)

Example: A grade of C in HSC 3502, passing grades in HSC 3057 or HSC 4558, and undergraduate PBH student should be written as follows: HSC 3502(C) & (HSC 3057 or HSC 4558) & UGPBH  
&nbsp;

### Co-requisites

Indicate all requirements that must be taken concurrently with the course. Co-requisites are not checked by the registration system. If there are none please enter N/A.

Response:  
ENY4xxx. Lecture and lab sections should be taken together.

### Rationale and Placement in Curriculum

Explain the rationale for offering the course and its place in the curriculum.

Response:  
This course will broaden undergraduate offerings in ecology and will be one of the few undergraduate lab courses in ENY. The course will also be only ecology course covering basic ecological principles across all major subdisciplines of ecology (evolutionary, population, community, landscape, and ecosystems).

### Course Objectives

Describe the core knowledge and skills that student should derive from the course. The objectives should be both observable and measurable.

- Response:
- Explain fundamental ecological principles in population, community, landscape, and ecosystem ecology using insects as examples
  - Employ field sampling and quantitative techniques commonly used by ecologists
  - Develop ecological questions and hypotheses
  - Create, manage, and analyze ecological datasets

### Course Textbook(s) and/or Other Assigned Reading

Enter the title, author(s) and publication date of textbooks and/or readings that will be assigned. &nbsp;&nbsp;&nbsp;Please provide specific examples&nbsp;&nbsp;&nbsp;to evaluate the course and identify required textbooks.&nbsp;&nbsp;&nbsp;

Response:

- R software: available for free download at r-project.org
- R Studio: helpful alternative to the default R graphical user interface
- Tidyverse: a collection of user-friendly R packages designed for data science that share an underlying design philosophy, grammar, and data structures.

**Weekly Schedule of Topics**

Provide a projected weekly schedule of topics. This should have sufficient detail to evaluate how the course would meet current curricular needs and the extent to which it overlaps with existing courses at UF.

Response:

Week	Date	Lab Module	Lab Topic	Lab Assessment	Lab activity
1	25-Aug	1	Critique scientific paper		

Scientific paper

2	1-Sep	2	Population modeling	Worksheet 1	Exponential growth
3	8-Sep	2	Population modeling	Worksheet 2	Logistic growth
4	15-Sep	3	Herbivory lab		

Proposal

Herbivory planning

5	22-Sep	3	Herbivory lab		
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Herbivory surveys

6	29-Sep	3	Herbivory lab		
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Herbivory surveys/data entry

7	6-Oct	3	Herbivory lab		
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Herbivory data analysis

8	13-Oct	4	Predator prey lab	Worksheet 3	Functional responses
9	20-Oct	5	Community lab	Herbivory paper	Community lab prep/samplings
10	27-Oct	5	Community lab	Community lab	sampling
11	3-Nov	5	Community lab		

Community lab data processing

12	10-Nov	5	Community lab		
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Community lab data processing

13	24-Nov				
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NO LAB - holiday

14	1-Dec	5			
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PresentCommunity group presentations

15	8-Dec	5			
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PresentCommunity group presentations

## Grading Scheme

List the types of assessments, assignments and other activities that will be used to determine the course grade, and the percentage contribution from each. This list should have sufficient detail to evaluate the course rigor and grade integrity. Include details about the grading rubric and percentage breakdowns for determining grades. If participation and/or attendance are part of the students grade, please provide a rubric or details regarding how those items will be assessed.

Response:

Available Points and critical dates

Category	Points	Percent of grade	Due date		
Worksheet 1	50	12.5%	Sept 1st		
Worksheet 2	50	12.5%	Sept 8th		
Worksheet 3	50	12.5%	Oct 13th		
Herbivory lab proposal	50	12.5%	Sept 15th		
Herbivory lab write-up (final)	100	25%	Oct 20th		
Community ecology lab presentation (group)	100	25%	Dec 1-8		
Total	400				

Final Grade

Scale: percentage	Letter grade	Minimum points required
90-100	A	360
88-89.9	B+	352
80-87.9	B	320
78-79.9	C+	312
70-77.9	C	280
68-69.9	D+	272
60-67.9	D	240
0-59.9	E	= 239

## Instructor(s)

Enter the name of the planned instructor or instructors, or "to be determined" if instructors are not yet identified.

Response:

Philip G Hahn

## Attendance & Make-up

Please confirm that you have read and understand the University of Florida Attendance policy.

A required statement related to class attendance, make-up exams and other work will be included in the syllabus and adhered to in the course. Courses may not have any policies which conflict with the University of Florida policy. The following statement may be used directly in the syllabus.

• Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

Response:

Yes

## Accommodations

Please confirm that you have read and understand the University of Florida Accommodations policy.

A statement related to accommodations for students with disabilities will be included in the syllabus and adhered to in the course. The following statement may be used directly in the syllabus:



• *Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.*

Response:  
Yes

### **UF Grading Policies for assigning Grade Points**

*Please confirm that you have read and understand the University of Florida Grading policies. Information on current UF grading policies for assigning grade points is require to be included in the course syllabus. The following link may be used directly in the syllabus:*

• <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Response:  
Yes

### **Course Evaluation Policy**

*Course Evaluation Policy*

*Please confirm that you have read and understand the University of Florida Course Evaluation Policy. A statement related to course evaluations will be included in the syllabus. The following statement may be used directly in the syllabus:*

• *<span style="font-size:11.0pt">Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/public-results/>. 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*

*&nbsp;*

Response:  
Yes

**Insect Ecology Lab**  
**ENY 6203L, Fall 2021, 1 credit**

**Delivery:** face-to-face and asynchronous  
**Lab:** Wednesday, 1:55-3:50pm, Room 3118  
**Zoom:** add link when available

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

**Office Hours:** One hour after lecture or email to arrange a time. All meetings will occur via Zoom (<https://ufl.zoom.us/j/7044620919>).

**Meetings:** If you are on campus in Gainesville you are expected to attend in person. Online students will complete the lab asynchronously.

**Course Description:** This course is an introduction to ecological methods and analysis with emphasis on insects. Methods to explore 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
- Evaluate and critique primary ecological literature for content and scientific quality
- Employ field sampling and quantitative techniques commonly used by ecologists
- Develop ecological questions and hypotheses
- Create, manage, and analyze ecological datasets

**Prerequisites:**

ENY 3005, Principles of Entomology, or equivalent

**Required Materials:**

- R software: available for free download at [r-project.org](http://r-project.org)
- R Studio: helpful alternative to the default R graphical user interface
- Tidyverse: a collection of user-friendly R packages designed for data science that share an underlying design philosophy, grammar, and data structures.

**Attendance and Make-Up Work:** Students are expected to attend all sessions in person. Online 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**

Lab sections will typically be spent using techniques and quantitative tools to apply concepts covered in lecture. We will use a combination of quantitative models in the coding program R, collecting insects and data in the field, entering and analyzing ecological data, and presenting the findings to peers through writing and presenting.

**Assessment & Evaluation**

*Critique of scientific paper-* During the first week we will read and discuss a scientific paper. Students will write a short critique of the paper.

*Worksheets-* Several lab activities will have worksheet assignments to complete and submit via canvas.

*Herbivory lab-* The herbivory lab will have three assignments, 1) an initial proposal that will be in the form of a short video shot from the field where you measure herbivory, 2) a write-up in the form of a scientific paper, and 3) a revised paper that addresses the instructor’s comments in the form of a peer-reviewed article.

*Community ecology lab-* There will be presentations based on the results of sampling of insect communities.

**Available Points**

Category	Points	Percent of grade	Due date
Critique scientific paper	50	10%	Aug 30 <sup>th</sup>
Worksheet 1	50	10%	Sept 1 <sup>st</sup>
Worksheet 2	50	10%	Sept 8 <sup>th</sup>
Worksheet 3	50	10%	Oct 13 <sup>th</sup>
Herbivory lab proposal	50	10%	Sept 15 <sup>th</sup>
Herbivory lab write-up (final)	100	20%	Oct 20 <sup>th</sup>
Herbivory lab write-up (revisions)	50	10%	Nov 23 <sup>rd</sup>
Community ecology lab presentation	100	20%	Dec 1-8
<b>Total</b>	<b>500</b>		

**Final Grade**

Scale: percentage	Letter grade	Minimum points required
90-100	A	448
88-89.9	B+	440
80-87.9	B	398
78-79.9	C+	390
70-77.9	C	348
68-69.9	D+	340
60-67.9	D	298
0-59.9	E	≤ 297

## Weekly Course Schedule

Week	Date	Lab Module	Lab Topic	Lab Assessment	Lab activity
1	25-Aug	1	Critique scientific paper	Critique write-up	Scientific paper
2	1-Sep	2	Population modeling	Worksheet 1	Exponential growth
3	8-Sep	2	Population modeling	Worksheet 2	Logistic growth
4	15-Sep	3	Herbivory lab	Proposal	Herbivory planning
5	22-Sep	3	Herbivory lab		Herbivory surveys
6	29-Sep	3	Herbivory lab		Herbivory surveys/data entry
7	6-Oct	3	Herbivory lab		Herbivory data analysis
8	13-Oct	4	Predator prey lab	Worksheet 3	Functional responses
9	20-Oct	5	Community lab	Herbivory paper	Community lab prep/samplings
10	27-Oct	5	Community lab		Community lab sampling
11	3-Nov	5	Community lab		Community lab data processing
12	10-Nov	5	Community lab		Community lab data processing
13	24-Nov		NO LAB - holiday	Paper revisions	
14	1-Dec	5		Present	Community group presentations
15	8-Dec	5		Present	Community group presentations

**Grades and Grade Points:** For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>

**Online Course Evaluation Process:** 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>.

**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>.

**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.

**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](#).

**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, <https://disability.ufl.edu/>

**Campus Helping Resources:** Students experiencing crises or personal problems that interfere with their general wellbeing 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](http://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/](http://www.umatter.ufl.edu/)
- Career Connections Center, First Floor JWRU, 392-1601, <https://career.ufl.edu/>.

**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://sccr.dso.ufl.edu/policies/student-honor-code-studentconduct-code/>
- Online Course: <http://www.distance.ufl.edu/student-complaint-process>

# **Insect Ecology Lab FOR CURRICULUM REVIEW**

**ENY 4xxxL, Fall 2021, 1 credit**

**Delivery:** face-to-face

**Meeting time and location:** Wednesday, 1:55-3:50pm, Room 3118

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

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

**Meetings:** All students are expected to attend in person.

**Course Description:** This course is an introduction to ecological methods and analysis with emphasis on insects. Methods to explore 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
- Employ field sampling and quantitative techniques commonly used by ecologists
- Develop ecological questions and hypotheses
- Create, manage, and analyze ecological datasets

## **Prerequisite:**

BSC 2005 & BSC 2005L or BSC 2010 & BSC 2010L; with minimum grades of C.

## **Corequisite:**

Enrolled in ENY4xxx - Insect Ecology Lecture

## **Required Materials:**

- R software: available for free download at [r-project.org](http://r-project.org)
- R Studio: helpful alternative to the default R graphical user interface
- Tidyverse: a collection of user-friendly R packages designed for data science that share an underlying design philosophy, grammar, and data structures.

**Attendance and Make-Up Work:** Students are expected to attend all sessions in person. 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**

Lab sections will typically be spent using techniques and quantitative tools to apply concepts covered in lecture. We will use a combination of quantitative models in the coding program R,

collecting insects and data in the field, entering and analyzing ecological data, and presenting the findings to peers through writing and presenting.

**Assessment & Evaluation**

*Worksheets*- Several lab activities will have worksheet assignments to complete and submit via canvas.

*Herbivory lab*- The herbivory lab will have two assignments, 1) an initial proposal that will be in the form of a short video shot from the field where you measure herbivory, and 2) a write-up in the form of a scientific paper.

*Community ecology lab*- There will be presentations based on the results of sampling of insect communities.

**Available Points and critical dates**

Category	Points	Percent of grade	Due date
Worksheet 1	50	12.5%	Sept 1 <sup>st</sup>
Worksheet 2	50	12.5%	Sept 8 <sup>th</sup>
Worksheet 3	50	12.5%	Oct 13 <sup>th</sup>
Herbivory lab proposal	50	12.5%	Sept 15 <sup>th</sup>
Herbivory lab write-up (final)	100	25%	Oct 20 <sup>th</sup>
Community ecology lab presentation (group)	100	25%	Dec 1-8
<b>Total</b>	<b>400</b>		

**Final Grade**

Scale: percentage	Letter grade	Minimum points required
90-100	A	360
88-89.9	B+	352
80-87.9	B	320
78-79.9	C+	312
70-77.9	C	280
68-69.9	D+	272
60-67.9	D	240
0-59.9	E	≤ 239



## Weekly Course Schedule

Week	Date	Lab Module	Lab Topic	Lab Assessment	Lab activity
1	25-Aug	1	Critique scientific paper		Scientific paper
2	1-Sep	2	Population modeling	Worksheet 1	Exponential growth
3	8-Sep	2	Population modeling	Worksheet 2	Logistic growth
4	15-Sep	3	Herbivory lab	Proposal	Herbivory planning
5	22-Sep	3	Herbivory lab		Herbivory surveys
6	29-Sep	3	Herbivory lab		Herbivory surveys/data entry
7	6-Oct	3	Herbivory lab		Herbivory data analysis
8	13-Oct	4	Predator prey lab	Worksheet 3	Functional responses
9	20-Oct	5	Community lab	Herbivory paper	Community lab prep/samplings
10	27-Oct	5	Community lab		Community lab sampling
11	3-Nov	5	Community lab		Community lab data processing
12	10-Nov	5	Community lab		Community lab data processing
13	24-Nov		NO LAB - holiday		
14	1-Dec	5		Present	Community group presentations
15	8-Dec	5		Present	Community group presentations

**Attendance and Make-Up Work:** Students are expected to attend all sessions in person. 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>

**Grades and Grade Points:** For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>

**Course Evaluation Process:** Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at [gatorevals.ua.ufl.edu/students/](http://gatorevals.ua.ufl.edu/students/). 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/](http://ufl.bluera.com/ufl/). Summaries of course evaluation results are available to students at [gatorevals.ua.ufl.edu/public-results/](http://gatorevals.ua.ufl.edu/public-results/).

**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 (<https://www.dso.ufl.edu/sccr/process/student-conducthonor->

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.

**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:** 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, <https://disability.ufl.edu/>

**Campus Helping Resources:** Students experiencing crises or personal problems that interfere with their general wellbeing 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.

- *U Matter, We Care:* If you or someone you know is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu), 352-392-1575, or visit [U Matter, We Care website](#) to refer or report a

concern and a team member will reach out to the student in distress.

- *Counseling and Wellness Center:* [Visit the Counseling and Wellness Center website](#) or call 352-392-1575 for information on crisis services as well as non-crisis services.
- *Student Health Care Center:* Call 352-392-1161 for 24/7 information to help you find the care you need, or [visit the Student Health Care Center website](#).
- *University Police Department:* [Visit UF Police Department website](#) or call 352-392-1111 (or 9-1-1 for emergencies).
- *UF Health Shands Emergency Room / Trauma Center:* For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; [Visit the UF Health Emergency Room and Trauma Center website](#).

### **Academic Resources:**

- *E-learning technical support:* Contact the [UF Computing Help Desk](#) at 352-392-4357 or via e-mail at [helpdesk@ufl.edu](mailto:helpdesk@ufl.edu).
- *Career Connections Center:* Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services.
- *Library Support:* Various ways to receive assistance with respect to using the libraries or finding resources.
- *Teaching Center:* Broward Hall, 352-392-2010 or to make an appointment 352-392-6420. General study skills and tutoring.
- *Writing Studio:* 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers.
- *Student Complaints On-Campus:* [Visit the Student Honor Code and Student Conduct Code webpage for more information](#).
- *On-Line Students Complaints:* [View the Distance Learning Student Complaint Process](#).

### **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](#).

### **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://sccr.dso.ufl.edu/policies/student-honor-code-studentconduct-code/>
- Online Course: <http://www.distance.ufl.edu/student-complaint-process>

# CALS Curriculum Committee

## Submission Checklist

**NOTE: This checklist must be included with all course and certificate submissions.**

The checklist below is intended to facilitate course and certificate submissions to the University of Florida Academic Approval Tracking System (<https://approval.ufl.edu/>). The checklist consists of the most common items that can cause a submission to require changes or be recycled. Contrary to information provided on the UF approval site, the CALS Curriculum Committee requires a syllabus be submitted with each new course or course modification request. Please note that submitters are encouraged to attend the CALS CC meeting at which their item is being reviewed. This allows the submitter to answer any potential questions that may arise that could cause the item to not be approved. Also, be aware that when completing the UCC form the section Description of Request is asking for a brief statement about what you are doing. This is **not** the place for a course description. A statement such as “Proposal of a new undergraduate course” is all that is needed. Please do not submit documents in pdf format. All documents should be submitted in Word to facilitate editing on our end if necessary.

**CHECKLIST: PLEASE INITIAL OR MARK N/A FOR EACH STATEMENT TO INDICATE YOUR COMPLIANCE.**

  X   It is required when making a submission that you consult your department’s representative to the CALS CC. A list of current members can be found on the committee site located at: <https://cals.ufl.edu/faculty-staff/committees/>.

  X   You **MUST** comply with the CALS Syllabus Policy, including items 1 through 8 and all standard syllabus statements. This document can be viewed at the committee site(<https://cals.ufl.edu/faculty-staff/committees/>) by clicking on the Curriculum Committee – Information & Documents heading and scrolling down to Forms, Checklists, and Other documents. The other items included here are all very helpful when making a curriculum submission. Some will be mentioned in other checklist items below.

  NA   Submission of a course modification requires both the current version of the course syllabus and the proposed version.

  X   Joint course submissions must include 1.) both graduate and undergraduate syllabuses and 2.) a separate document outlining the substantial (more than one) differences in assignments between the two courses. These assignments must account for at least a 15% difference in graded material between the two levels. If this is a new course submission both courses must be submitted for approval simultaneously.

  X   The course description on the UCC form and in the syllabus must match. Any other information you wish to include needs to be under a different heading such as background or additional information.

  X   The course learning objectives must be consistent with Bloom’s taxonomy. Please see the following link at the CALS Curriculum site. ([https://cals.ufl.edu/content/PDF/Faculty\\_Staff/cals-course-objectives.pdf](https://cals.ufl.edu/content/PDF/Faculty_Staff/cals-course-objectives.pdf) ). Do not use the words demonstrate or understand when listing learning objectives.

X The course schedule should be concise and include the appropriate number of weeks in the semester.

NA All graduate course submissions must include a reading list if a textbook is not required. The reading list should include at least some current readings (within the last 5 years). All readings do not need to be current.

NA Outside consultations are required if there is a possibility of the proposed course covering material taught in another department or college on campus. There must be a consult form completed by the chair of the department from who you are seeking the consult. Instructors may provide additional consults. The form can be found at: <https://registrar.ufl.edu/pdf/uccconsult.pdf>. Graduate version currently taught.

X Prerequisite courses are required for 3000 and 4000 level courses. This line of the approval form cannot be “none” or left blank. Junior or senior standing is an acceptable option. A phrase such as “a course in basic biology” is not acceptable.

X Decimal points must be included in the grading scale if grade cut-offs are based on percentages. While this is not a university policy it is a CALS standard practice to avoid any confusion when final grades for the course are determined.

X The attendance and make-up policy in a syllabus cannot contradict the university’s policy. Do not include any additional wording to this policy. A statement and link regarding this is included in the CALS Syllabus Statements. For the approval process the college suggests a less is more view when it comes to this policy.

X The most recent version of the CALS Syllabus Statements boiler plate must be included in all syllabuses. This document is included in the CALS Syllabus Policy and can be copied and pasted to the syllabus. Do not use the boilerplate statements from an old syllabus as they are likely to be out of date.

### **Certificates**

If proposing a new undergraduate or graduate level certificate that includes any courses outside of the submitters department a statement regarding any possible impact on those courses needs to be included. An email from the instructor is acceptable. Also, any courses required for the certificate must have permanent prefixes and course numbers. The submission must include intended catalog copy. (Contact Dr. Joel Brendemuhl ([brendj@ufl.edu](mailto:brendj@ufl.edu)) for further instruction)

Difference in assessments between ENY4xxxL and the current graduate-level offering ENY6203L

- Graduate students have one additional learning objective: Evaluate and critique primary ecological literature for content and scientific quality
- Graduate students will read and provide a written critique of a scientific paper. The written critique will be 2-3 pages and is required to address all sections of the article: Title, Abstract, Introduction, Methods, Results, Discussion, Metadata. (50 points).
- All students will write a paper based on the results of the herbivory lab. Additionally, graduate students will be required to submit a revised version of the paper and a document describing how each comment from the instructor was addressed (50 points).
- Total points for undergraduates = 400 and graduate students = 500. Points for graduate students is 25% greater than for undergraduates.