

# LANDSCAPE IPM: ORNAMENTALS AND TURF

IPM 4254

3 CREDITS, DISTANCE DELIVERY, **6 WEEKS**

SUMMER B 2016

**MEETING TIME AND PLACE:** Online delivery of this course will be facilitated using Canvas. Canvas login at <http://elearning.ufl.edu/>

**INSTRUCTOR:** Dr. Jennifer Gillett-Kaufman, Associate Extension Scientist Entomology and Nematology Department. Office number 3006, Entomology and Nematology Building on Natural Area Drive. Office phone: (352) 273-3950. [gillett@ufl.edu](mailto:gillett@ufl.edu)

**OFFICE HOURS:** Dr. Gillett-Kaufman will be available to students **by appointment** on Skype, FaceTime, or phone (usernames will be provided in Canvas or via email). She can be reached on e-mail [gillett@ufl.edu](mailto:gillett@ufl.edu) at all times.

**COURSE WEBSITE:** Canvas login at <http://elearning.ufl.edu/>

**COURSE COMMUNICATIONS:** General questions should be posted on the course discussion board. Private questions about grades and course difficulties should be sent to [gillett@ufl.edu](mailto:gillett@ufl.edu).

**REQUIRED TEXT (NO TEXTBOOK REQUIRED):** Readings and lectures will be posted on the Canvas website.

**COURSE DESCRIPTION:** This course will have online guest lectures by 24 State and County faculty members with different areas of expertise. Guests are listed below by the lectures they support and include faculty from the following departments: Agronomy (Pesticide Information Office), Entomology and Nematology, Environmental Horticulture, Horticultural Sciences, Plant Pathology, Soil and Water Science.

This course is intended for students with a plant (e.g., Environmental Horticulture, Horticultural Sciences, Agronomy, Forestry) or Entomology and Nematology, urban/landscape pest management background, or those pursuing pesticide certification, or Landscape Maintenance Association certification.

**PREREQUISITES:** ENY3005 or NEM3002 or PLP3002C or seek instructor approval.

**PURPOSE OF COURSE:** Pest pressure in landscapes is influenced by abiotic factors and cultural practices. To develop a sound Integrated Pest Management plan for landscapes one needs to understand these other factors and pest biology. Course focuses on the identification of abiotic factors, weeds, insects, mites, pathogens, and nematodes that occur on landscape ornamentals, turfgrass and palms found throughout Florida. Information provided on care for residential and commercial lawns will include chemical and nonchemical pest management tactics, such as irrigation and fertility practices as well as safety concerns and business practices. Integrated pest management concepts and strategies will focus on cultural controls but will include additional available options.

**COURSE GOALS AND/OR OBJECTIVES:** *By the end of this course, students will:*

1. Be able to identify common causes of insect pressure in landscapes and explain the mechanisms that promote population growth.
2. Know how insect and nematode morphology contributes to their ability to persist in landscapes.
3. Be able to choose the best current techniques used in the study and management of insects, plant diseases, weeds and nematodes.
4. Have a better understanding of business practices that facilitate IPM programs in lawns and landscapes.
5. Produce written material on the role that arthropods, nematodes, weeds, diseases, cultural practices and local site conditions play in landscape pest management.

### **COURSE EXPECTATIONS**

Students should read the reading assignments provided and view the assigned narrated lectures each week to keep up with the schedule of topics. Written lesson assessments will follow groups of core material, and students will be asked to reflect on how the material can be integrated into a pest management plan.

Lectures can be accessed in Canvas, by going to the Canvas login- <https://lss.at.ufl.edu>. The student's UF Gatorlink username and password are necessary to log into the system. Tutorials are available in Canvas under "Help," if needed. If you are sending the instructor an email students should **only** use their Gatorlink email or Canvas mail (e.g., Gmail, Yahoo, AOL and others often end-up being caught by spam filters and you might not get a response if you use these email addresses to contact the instructor).

## COURSE POLICIES:

**ATTENDANCE POLICY:** Interaction with the other attendees on Canvas Discussions will be graded as these facilitate learning. Although this course is taught entirely online, students who do not work on this class weekly or who skip online lectures and reading material do not do well in this course.

### EXAM POLICY:

1. Assessments and lecture exam-papers are open-book critical thinking writing exercises. These should be completed without assistance from others. For each exam up to 80 points will be awarded for content and up to 20 points will be awarded for spelling and grammar.
2. Concerns about an assessment or exam-paper grade can be discussed privately after the assessment period has closed.
3. Student writings will all be scored with the Turnitin® system. This system will check for plagiarism. Students will be warned of the first plagiarism infraction and asked to redo an assignment with a 20% point reduction. The second infraction will result in a zero for the course grade and will be reported to the University of Florida. See the section below on plagiarism.
4. See the UF Student Honor Code below and report suspicious behavior.
5. Grades cannot be provided over the telephone or by email, but will be available on Canvas in the Gradebook tab.

If these conditions are not met you will be assigned a failing grade unless you complete a CALS Incomplete Grade Contract by the published last day of the semester. If you fill out, and we agree on terms in a CALS Incomplete Grade Contract, your final grade after completing missed assignments or tests will be reduced by a full letter grade, unless you provide a University of Florida accepted excuse (see below for examples).

**MAKE-UP POLICY:** 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>

### ACCEPTED EXCUSES

1. Required student participation in a University sponsored event: These events will be excused with official documentation from the appropriate faculty or staff member.

Documentation must be received PRIOR to the event and every attempt to complete the assignment prior to the event should be made.

2. Religious Holidays: Religious holidays are always excused; however, please notify the instructors, in writing, within the first two weeks of class so that appropriate accommodations may be made. Every attempt to complete the course (or assessment) prior to the holiday should be made.

3. Medical Emergencies: Medical emergencies are excused with appropriate documentation from a health care provider.

4. Family Emergencies: These emergencies are only excused with written documentation.

**COURSE TECHNOLOGY:** A computer that can view PowerPoint, Flash, and .pdf files, has adequate memory and speed, and meets the minimum standards for UF computer use is needed. The following website explains the University of Florida computer hardware and software policy: [http://dell.techhub.ufl.edu/computer\\_requirement.html](http://dell.techhub.ufl.edu/computer_requirement.html). Flash is needed. You will be prompted to download the most current version if it is not already on your computer. Contact the UF Computing Help Desk (352-392-4357; [helpdesk@ufl.edu](mailto:helpdesk@ufl.edu)) with any technology problems.

## **PLAGIARISM**

Plagiarism is a serious problem in academia today, especially with the ease of obtaining information from the World Wide Web. Plagiarism is defined as representing the words or ideas of another person as one's own, without attribution to the source. All words and ideas must be attributed to a source unless they are considered common knowledge (i.e., widely known by many people and found in many different sources). There are many kinds of plagiarism, as you will read on the Guide to Plagiarism website referenced below.

Plagiarism is unethical, unacceptable in science, and prohibited by the UF Student Honor Code (<http://www.dso.ufl.edu/sccr/honorcodes/honorcode.php>). The consequences for plagiarism while at the University of Florida range from receiving a grade of zero for the plagiarized assignment or a failing grade for the course, to, for repeated offenses, expulsion from the university. Plagiarism after graduate training calls into question one's scientific integrity and can lead to banning of publication in journals and the loss of jobs/careers.

Students who plagiarize will be caught and consequences will be applied. I check all written assignments using anti-plagiarism software called Turnitin® (<http://www.at.ufl.edu/~turnitin/about.html>). Students will be warned of the first plagiarism infraction and asked to redo an assignment with a 20% point reduction. The second infraction will result in an automatic failing grade in the course and will be reported to the University of Florida.

For further information and examples of plagiarism, I strongly suggest that you read the George Smathers' Library Guide to Plagiarism at <http://www.uflib.ufl.edu/msl/07b/students.html>

Please understand that our purpose in bringing to your attention the matter of plagiarism is to help train you to be ethical scientists, not to impugn your character.

*This information on plagiarism modified from guidance provided by Dr. Heather McAuslane.*

## GRADING POLICIES:

### EXAMS AND GRADING

Grades will be based on:

- 3 lecture exam-papers (100 points each, 300 total)
- 5 lesson assessments (30 points each, 150 total)
- 10 discussion posts (5 points each, 50 total)
- Total = 500 points

### GRADING SCALE:

A	450-500
B+	440-449
B	400-439
C+	390-399
C	350-389
D+	340-349
D	300-339
E	< 299

**The UF Grading Policy is at:**

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

## UF POLICIES:

**UNIVERSITY POLICY ON ACCOMMODATING STUDENTS WITH DISABILITIES:** Students requesting accommodation for disabilities must first register with the Dean of Students Office (<http://www.dso.ufl.edu/drc/>). The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. You must submit this documentation prior to submitting assignments or taking the quizzes or exams. Accommodations are not retroactive, therefore, students should contact the office as soon as possible in the term for which they are seeking accommodations.

**UNIVERSITY POLICY ON ACADEMIC MISCONDUCT:** Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the UF Student Honor Code at <http://www.dso.ufl.edu/students.php>.

**\*\*NETIQUETTE: COMMUNICATION COURTESY:** All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats. [Describe what is expected and what will occur as a result of improper behavior [See Sample Netiquette Document](#)]

## GETTING HELP:

For issues with technical difficulties for E-learning in Canvas, please contact the UF Help Desk at:

- [Learning-support@ufl.edu](mailto:Learning-support@ufl.edu)
- (352) 392-HELP - select option 2
- <https://lss.at.ufl.edu/help.shtml>

**\*\* Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from LSS when the problem was reported to them. The ticket number will document the time and date of the problem. You MUST e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.**

Other resources are available at <http://www.distance.ufl.edu/getting-help> for:

- Counseling and Wellness resources
- Disability resources
- Resources for handling student concerns and complaints
- Library Help Desk support

Should you have any complaints with your experience in this course please visit <http://www.distance.ufl.edu/student-complaints> to submit a complaint.

## COURSE SCHEDULE:

**PLEASE START EARLY!** This is a six week class, all assignments can be turned in early, please start on assignments as soon as possible to avoid late penalties!

**DISCLAIMER:** This syllabus represents my current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.

**FINAL EXAM: Must be complete by NOON on August 4<sup>th</sup>, 2016.**

**More information on discussion posts and lesson assignments will be posted on Canvas in the weekly modules.**

Module	Week begins	Topic
Week 1	June 27	Introduction to Landscape IPM- Gary Brinen & Dr. Jennifer Gillett-Kaufman Plant Health for Prevention- Multiple UF/IFAS authors Why Landscapes Fail- Celeste White & Dr. Gary Knox Florida Turf- Dr. Laurie Trenholm General Pest Types- Dr. Jennifer Gillett-Kaufman Helpful Lawn and Landscape Organisms-Dr. Jennifer Gillett-Kaufman <b>Lesson Assignment 1 Due before noon on July 6<sup>th</sup>.</b>
Week 2	July 5	Lawn Health, Insects- Dr. Barbra Larson & Dr. Eileen Buss Insect Pests of Ornamentals- Dr. Jennifer Gillett-Kaufman & Dave Palmer General Monitoring and Scouting- Dr. Eileen Buss & Dr. Barbra Larson Sampling for Insects- Dr. Jennifer Gillett-Kaufman Nematode Pests of Ornamentals and Turfgrass- Dr. Billy Crow Sampling for Nematodes- Dr. Billy Crow <b>Lesson Assignment 2 Due before noon on July 13<sup>th</sup>.</b>
<b>Test 1</b> encompasses the material you have covered to this point. Due before noon on July 15 <sup>th</sup> . If you have questions about the material please contact an instructor before beginning the test.		
Week 3	July 11	Lawn Health, Weeds- Dr. Phil Busey Mulches & Ornamental Weed IPM- Gary Brinen & Dr. Phil Busey Lawn Health, Diseases- Dr. Phil Harmon

		Ornamentals Plant Health - Diseases Dr. Phil Harmon Sampling for Diseases- Dr. Jennifer Gillett-Kaufman <b>Lesson Assignment 3 Due before noon on July 20<sup>th</sup>.</b>
Week 4	July 18	Basic Botany- Cathy Feser Tree and Shrub - Design, Selection, and Maintenance- Celeste White Pruning- Henry Mayer Irrigation Myth Busters- Dr. Michael D. Dukes Irrigation Scheduling- Dr. Michael D. Dukes & Melissa Baum Haley Palm Identification and Maintenance- Stephen Brown Palm Insects- Dr. Doug Caldwell Palm Diseases- Dr. Monica Elliott Palm Nutrient Deficiencies- Dr. Tim Broschat <b>Lesson Assignment 4 Due before noon on July 27<sup>th</sup>.</b>
<p><b>Test 2</b> encompasses the Week 3 to Week 4 material. Due before noon on July 29<sup>th</sup>. If you have questions about the material please contact an instructor before beginning the test.</p>		
Week 5	July 25	Urban Soils and Their Management- Dr. Amy Shober & Dr. Jennifer Gillett-Kaufman Physical, Chemical and Biological Properties of Soils- Dr. Amy Shober & Dr. Jennifer Gillett-Kaufman Soil Sampling and Testing- Dr. Amy Shober General Safety- Mary Beth Henry Personal Commitment to Safety- Mary Beth Henry Safety in Dealing with Nature - Mary Beth Henry Pesticide Safety- Mary Beth Henry Pesticide Hazards and First Aid- Dr. Fred Fishel <b>Lesson Assignment 5 Due before noon on August 2<sup>rd</sup>.</b>
Week 6	August 1	IPM Business Plan- Dr. Barbra Larson & Dr. Jennifer Gillett-Kaufman Operators Guide- Ed Skvarch Customer Education- Dr. Jennifer Gillett-Kaufman Customer Communication- Susan Williams & Dr. Barbra Larson Record Keeping-Susan Williams IPM Initial Site Visit Walkabout- Dr. Jennifer Gillett-Kaufman
<p align="center"><b>Final Test covers the all course material. Must be complete by NOON on August 4th, 2016</b></p>		
<p>This timeline is a suggestion for completing the course by the end of the semester without rushing. If you choose to complete the course faster it is your choice. Be advised that the dates for submitting assignments are static; if you are late you will lose points for that component of your grade. The date listed for the final test is the last date that the test will be available. The final test must be submitted before noon on the posted date, or after completion of the final your final grade will be reduced by a full letter grade (see earlier comments on test policy).</p>		

### COMPLAINTS ABOUT DISTANCE COURSES?

The instructor will work with you to resolve complaints, however each online distance



learning program has a process for, and will make every attempt to resolve, student complaints within its academic and administrative departments at the program level. See <http://distance.ufl.edu/student-complaints> for more details.

Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu) so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.