

Landscape IPM, PMA 4242, Section 9431 (3 credit hours)
University of Florida - Fort Lauderdale
<http://grove.ufl.edu/~turf/landscapeIPM/>
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January 12, 2007

Introductory Materials

Syllabus **(subject to changes during the semester)**

Fees

The cost of this class is based on \$106.88 per credit hour for Florida state residents, with no lab fee, thus Landscape IPM is \$320.64 for in-state residents. Fees for non-Florida residents are \$593.03 per credit hour. Class starts January 12, 2007 and will continue on Mondays from 3-5 pm in room 130. For general information on about our B.S. degrees and our many classes please call 954-577-6371 and ask for Academic Programs.

Time and location

Tentatively, Fridays, 3:00-6:00 p.m., for 16 weeks beginning January 12, 2007 (calendar below). Room 129 (Library) at the University of Florida Fort Lauderdale Center (map and directions below).

Objectives

to know the history of Integrated Pest Management in agriculture, before and after the development of synthetic pesticides, involving diseases, insects and mites, nematodes, and weeds;

to understand the core concepts and strategies of IPM including population dynamics, biological control, genetic resistance, environmental modification, economic thresholds, monitoring, and identification;

to become familiar with cases of turf and ornamental IPM.

Prerequisites

Principles of Entomology (ENT 3005), Principles of Nematology (NEM 3002), Fundamentals of Plant Pathology (PLP 3002) or Fundamentals of Pest Management (PMA 3010). PLP 3002 also has prerequisites Introductory Botany (BOT 2010C) or Introductory Biology (BSC 2010). Students must be capable of college-level writing and conducting independent library research.

Text

Students are encouraged to purchase IPM Handbook for Golf Courses by Gail L. Schumann, Patricia J. Vittum, Monica L. Elliott, and Patricia P. Cobb. ISBN-13: 978-1575040653.

Background

There will be many readings provided to students, and additional library research will be required. Students using any University networked computer may search references using our institutional subscription to the Turfgrass Information File <http://tgif.msu.edu>

Other activities

There may be a field trip to observe IPM in practice.

Instructor

Dr. Philip Busey ("call me Phil"). Office: 141 Forman Building. Landline: 954-577-6337 or Mobile: 954-579-3932 or FAX 954-475-4125. If I do not answer, leave a message. Better yet, contact me by e-mail turf@ufl.edu

Consultations

By appointment (preferably) and drop-in (if I am available). Available usually Friday mornings, other times by appointment.

Grading

The course grade will be determined from a combination of three 1-hour exams, a final exam, an electronic term paper, and class discussion. Material covered on exams may come from lectures, discussion, questions and answers in class, the text book, field trips, and student papers. Exam scores will derive at least 50% from multiple-choice questions. There will be no make-up exams. However, students who present unavoidable conflicts may make advance arrangements to take an oral exam. Class participation, which determines at least 10% of the grade, is based on regular attendance, asking questions in class, and being helpful to other students. Grading: A=90%+; B+=85-89.9%; B=80-84.9; C+=75-79.9%; C=70-74.9; D+=65-69.9; D=60-64.9%; E=less than 60%.

Suggestions

You should attend all classes and read the textbook and finish other assignments ahead of the lectures.

University of Florida Honor Code

We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity. 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." ~ enacted by the University of Florida Student Body, fall 1995.

Map and Directions

Directions to the University of Florida Fort Lauderdale, 3205 College Ave., Davie, FL 33314. General phones are 954-577-6300 (Voice) and 954-475-4125 (FAX) . Web site is <http://flrec.ifas.ufl.edu>

From the East

Take I-95 or Florida's Turnpike (from north or south). Exit on I-595 westbound. Go west to Exit #7, Davie Rd. (Ignore Davie Blvd., somewhere else in Broward County.) Watch for signs; after veering to the right off I-595 you must shortly turn left at the Davie Rd. signal light, going underneath the I-595 overpass. Go south 1/2 mile on Davie Rd. Turn right at Nova Drive (signal light). Continue west 1/2 mile on Nova Drive to the first signal light, College Ave. Turn left and go south 1/4 mile on College Ave. to the University of Florida, on the right, at 3205 College Ave. The long cyclone fence opens into an entrance marked by a low blue and white sign.



From the Southwest

Take Turnpike Extension (e.g., from western Dade County) to I-75 north, bear right onto eastbound I-595. (Do not continue straight into the Sawgrass Expressway.) Go east on I-595 to Exit #6, University Drive. Stay on State Road 84 going east until you pass Signature Grand, and just pass the electrical substation where you turn right (go south), which is College Ave. Continue south 0.75 miles (through the traffic light at Nova Drive. The University of Florida will be on the right, at 3205 College Ave. The long cyclone fence opens into an entrance marked by a low blue and white sign.



From the Northwest

Take Sawgrass Expressway south to eastbound I-595. Go east on I-595 to Exit #6, University Drive.

Stay on State Road 84 going east until you pass Signature Grand, and just pass the electrical substation where you turn right (go south), which is College Ave. Continue south 0.75 miles (through the traffic light at Nova Drive. The University of Florida will be on the right, at 3205 College Ave. The long cyclone fence opens into an entrance marked by a low blue and white sign.

From the far West (Collier County, Belle Glade)

Take US-27 south from South Bay or I-75 east from Naples. Get on I-595 eastbound to Fort Lauderdale. About 8 miles east of US-27 you must carefully follow the signs to Fort Lauderdale, merging right onto and straight through the large spaghetti overpass, continuing on I-595 east to Exit #7, Davie Rd. Go south 1/2 mile on Davie Rd. Turn right at Nova Drive (signal light). Continue west 1/2 mile on Nova Drive to the first signal light, College Ave. Turn left and go south 1/4 mile on College Ave. to the University of Florida, on the right, at 3205 College Ave. The long cyclone fence opens into an entrance marked by a low blue and white sign.

Calendar (subject to change)

Class	Date	Topics planned	Exam and assignment deadlines
1	12-Jan-07	Self introductions. Course objectives and summary. Core concepts. Using library resources, including the Turfgrass Information File, http://tgif.msu.edu	
2	22-Jan-07	Ecological models underlying Integrated Pest Management: competition, predation, natural selection, habitat disturbance, definition of landscape	Take home assignment. Develop an IPM scouting plan for your home. Start with a map, a list of plant species, and a list of what to look for. Look up the history of the expression IPM.
3	29-Jan-07	Classes of turf and ornamental pests; pesticides and Silent Spring; the American Lawn; changing cultural views of nature	
4	5-Feb-07	Fundamental practices of IPM	
5	12-Feb-07	Biological control and biopesticides	
6	19-Feb-07	Host plant resistance	
7	26-Feb-07	Monitoring, action thresholds, record keeping	
8	5-Mar-07	Important controversies in IPM	
	12-Mar-07	No class - spring break	
9	19-Mar-07	Business practice of landscape IPM	
10	26-Mar-07		
11	2-Apr-07	Guest lecturer	
12	9-Apr-07		
13	16-Apr-07		
14	23-Apr-07		
15	30-Apr-07		Final Exam (comprehensive)