

Weed Science, PLS4601c, Section 7644  
University of Florida - Davie

<http://grove.ufl.edu/~turf/weedscience/>

Philip Busey, turf@ufl.edu

954-579-3932 (cell)

May 14, 2009

(revised June 3, 2009)

## Syllabus

### General

Weed Science is a 3-credit hour class consisting of lecture, student readings and other assignments, and laboratory. Resident (in-state) tuition and fees for undergraduates is reported by UF's CFO to be \$126.25 per credit hour, thus this course should cost \$378.75. The parallel graduate level course available for graduate students only is AGR6932, Section 9212, and the tuition for graduate students is reported to be \$341.29 per credit hour. For general information on UF-Davie academic program including B.S. degree offerings, certificates, and classes please call 954-577-6371 and ask for Academic Programs or link to academic programs from the web site above. For general information on University of Florida courses and curricula please visit <http://registrar.ufl.edu>

### Description

Weed Science PLS4601c is an introduction to basic and applied aspects of weed science. Topics are weed biology and ecology, herbicide families and physiology, and weed control techniques including biological and cultural control of weeds. The lab will cover weed identification, weed growth, population ecology, and herbicide application.

### Time and location

First meeting is Thursday, 5:00 - 8:00 p.m., for 13 weeks beginning May 14, 2009 (calendar below); schedule may vary, and we will try to have an all-day field trip. This course has been listed as "Directed study" which means that students who cannot attend in person every session may complete a considerable portion of the course work by correspondence, subject to approval by the instructor. Location: Room 204a at the University of Florida Fort Lauderdale Center (map and directions below).

### Objectives

- to learn the biology and ecology of weeds, which are more than just undesirable plants;
- to strengthen a foundation in biology and plant sciences including plant identification, population biology, physiology;
- to become adept at understanding weed management systems and concepts of optimization in crop management and protection of natural areas.

### Prerequisites

Introductory Botany (BOT 2010C) or Introductory Biology (BSC 2010); and Introductory General Chemistry (CHM 2040) are not required but are highly recommended. Students must

be capable of college-level writing and conducting independent library research. Students using any University networked computer may search references using our institutional subscription to the Turfgrass Information File <http://tgif.msu.edu>

### **Text**

Ross, Merrill A. and Carol A. Lembi. 2009. Applied Weed Science: Including the Ecology and Management of Invasive Plants, 3/E. Prentice Hall, Inc. Upper Saddle River, NJ. ISBN-10: 0135028140 or ISBN-13: 9780135028148. The publisher's suggested retail price is \$95.20 but it is also available through a discount distributor for \$85.63 not including shipping and handling.

### **Background**

Occasionally other readings will be available provided to students. Additional resources are available at public libraries and can be purchased commercially.

### **Other activities**

There may be an all-day field trip.

### **Grading**

The course grade will be determined from a combination of quizzes, 1-hour exams, a final exam, and class and lab participation which may include homework. 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.

94 =>	A	=<	100
90 =>	A-	=<	93.99
87 =>	B+	=<	89.99
83 =>	B	=<	86.99
80 =>	B-	=<	82.99
77 =>	C+	=<	79.99
73 =>	C	=<	76.99
70 =>	C-	=<	72.99
67 =>	D+	=<	69.99
64 =>	D	=<	66.99
60 =>	D-	=<	62.99
0 =>	E	=<	59.99

## Instructor

Dr. Phil Busey, Office: Room 141 Forman Building. Phone: 954-577-6337 or FAX 954-475-4125. If I do not answer, leave a message. Better yet, contact me by e-mail [turf@ufl.edu](mailto:turf@ufl.edu)

## Consultations

By appointment (preferably) and drop-in (if I am available). Available usually Wednesday 3:00 to 5:00, for short visits, other times by appointment.

## 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.

## Pledge

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. Phone 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.