

Syllabus

ORH 4804L Annual and Perennial Gardening Lab

Spring 2015 – Gainesville Location

2 Credits

Instructor: Dr John C. Peterson

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Course Description

The lab concentrates on the production, identification, use, and management of a wide array of herbaceous annuals and perennials in the Florida landscape.

Learning Objectives: At the conclusion of this course, the student will be able to:

- Identify 100+ annual and perennial plants by common and scientific name. This ability will be measured by weekly lab quizzes.
- Understand the cultural needs of certain annuals and perennials in production.
- Apply an understanding of site selection, preparation, design, installation and maintenance by creating and maintaining an annual/perennial landscape project.

Optional Texts

Your Florida Guide to Bedding Plants. 1997. R. Black & E. Gilman. UF/IFAS.
(ISBN: 0916287173).

Your Florida Guide to Perennials. 2006. S. Park Brown & R. Schoellhorn, University Press of Florida
(ISBN: 0813029279)

Website

Annuals and Perennials Plant Database with images
<http://hort.ufl.edu/faculty/orh4804/index.shtml>

Lab Format and Structure

- **Format:** Lab time is Wednesdays from 5:30 – 7:30 pm. The use of tools and some outdoor, physical work can be expected. You will be notified when these outdoor activities are scheduled so that you can dress appropriately. An all-day field will also be scheduled.

- **Plant Production:** Each student will be assigned a group of plants to produce from a liner stage to a marketable plant. You will be asked to report specific information about them and to keep a photo log of your plants in a Lab Record Book.

- **Plant Identification:** Students will learn and be quizzed on 10 sets of plants consisting of approximately 10 plants per set. On quiz days, plan on taking a 20 minute exam followed by a 20-30 minute lecture on new plant materials for the next quiz. The quizzes are cumulative, meaning that by the end of the semester the identification quizzes will cover all plants.

- **Landscape Maintenance Project:** Each student will be assigned a section and a container in the student gardens to plant and maintain during the semester.

- **Landscape Design Project:** Students will design, install and maintain one or more garden projects at the UF/Plant City campus using the plants grown and studied in class.

- **Written Assignments:** Five written exercises in the Lab Workbook and a written field trip report will be assigned. These are due the following week.

Student Responsibilities

- *Attendance:* You are expected to attend all meetings of the class, including a scheduled fieldtrip.
- *Preparation:* You are responsible for printing the lab hand-outs and additional assigned readings from the website.
- *Plant ID Quizzes:* In order to do well in this portion of the lab, students will need to spend considerable time studying the living samples and power points presented, and practicing rote memorization of the scientific, common and, in some cases, family names. A digital camera can aid you in this aspect of the lab. Only students with a valid and prior excuse will be given make-up tests.
- *Handing in written assignments:* Unless otherwise stated, all assignments must be turned in at the beginning of class on the due date.
- *Late or make-up assignments:* Assignments will be marked down 5 percentage points for each day late. Please remember, homework is assigned to prepare the student for class discussions. If you do not complete the assignments, your participation will suffer.
- *Completion of all assignments:* You must complete all assignments and participate in class in order to pass the course. Grades missing any assignment will not be averaged.
- *Common courtesy:* Cell phones and other electronic devices must be turned off and put away during class. Students who receive or make calls/messages during class will be asked to leave. The instructor reserves the right to ask any student engaging in disruptive behavior (e.g., talking, texting, etc.) to leave the class. Repeat violations of these rules will result in dismissal from the class.

Student Evaluation

You will be graded on the accuracy, conciseness, and grammar of your work. Any questions regarding your performance on any test are welcome. Grading follows University standards and will be based on the following scale:

	Activity	Points towards Final Grade
94-100% A	10 plant quizzes	200
90-93% A-	Plant Production/Lab Record Book	50
87-89% B+	5 Lab Workbook Exercises	75
83-86% B	Field Trip Report	5
80-82% B-	A & P Garden Design Project	10
77-79% C+	A & P Garden Maintenance Project	10
73-76% C		
70-72% C-	Total	350 pts
67-69% D+		
63-66% D		
60-62% D-		
< 59% E		

Please feel free to stop by, call or email your instructor to discuss the class or your grades.

Optional readings:

1. *Southern Living Annuals & Perennials*. 1998. Oxmoor House, Inc. (ISBN: 0848718542).
2. *Your Florida Garden*. Watkins and Wolfe. (ISBN: 0813002338).
3. *Best Garden Color for Florida*. Vol. 2. 2003. P. Crawford. Color Garden Inc. (ISBN:0-9712220-1-0)
4. *Easy Gardens for South Florida*. 2001. P. Crawford. Color Garden Inc. (ISBN) 0-9712220-2-0)
5. *Container Gardens for Florida*. 2005. P. Crawford. Color Garden Inc. (ISBN 0971222037)

ORH 4804L Annual and Perennial Gardening Lab Schedule

Week 1

- Introduction of students/faculty;
- Overview of lab syllabus / Information on lab organization;
- Plant seedling and rooted liners
- Lab lecture: Review of Plant Nomenclature/Vegetative Characteristics and factors for planning a garden

Week 2

- Crop Management
- Gather info needed for *Site Info and Production Protocol* (Lecture Web Assignment #2)
- Lab lecture: Plant Group 1
- Due: Lab Workbook Exercise #1 – Taxonomy

Week 3

- Plant ID - Quiz 1
- Crop management
- Lab lecture: Plant Group 2
- Group work on *Site Info and Production Protocol* (Lecture Web Assignment #2)

Week 4

- Plant ID – Quiz 2
- Crop management
- Lab Lecture: Plant Group 3
- Due: Lab Workbook Exercise #2 – Leaf Terminology
- Group Work on *Site Info and Production Protocol* (Lecture Web Assignment #2)

Week 5

- Plant ID – Quiz 3
- Crop Management
- Lab lecture: Plant Group 4

Week 6

- Plant ID – Quiz 4
- Crop management
- Gather data for *Plant Report #1* (Lecture Web Assignment #3)
- Lab lecture: Plant Group 5
- Due: Lab Workbook Exercise #3 – Flower Anatomy

Week 7 –

- Plant ID – Quiz 5
- Crop Management
- Lab lecture: Plant Group 6
- Group Work on *Plant Report #1* (Lecture Web Assignment #3)

Week 8 – (Mid-term Exam Week)

- Plant ID – Quiz 6
- Crop management
- Lab lecture: Plant Group 7

Week 9 – Spring Break – No Lab

Week 10

- Plant ID – Quiz 7
- Crop Management
- Lab lecture: Plant Group 8

Week 11

- Plant ID – Quiz 8
- Crop management – Final Measurements
- Collect data for *Plant Report #2* (Web assignment #4)
- Lab lecture: Plant Group 9

Week 12

- Plant ID – Quiz 9
- Container Garden Design and Planting
- Lab Lecture: Plant Group 10
- Group Work on *Plant Report #2* (Web Assignment #4)

Week 13

- Plant ID – Quiz 10
- Site Analysis of flower bed(s)
- Flower Bed Design – Group discussion and planning
- Due: Lab Workbook Exercise #4 – Site and Soil Analysis

Week 14

- Flower Bed Planting
- Due: Lab Record Book

Week 15

Statewide (or local) Field Trip – No Lab

Week 16

- Due: Field Trip Report
- Planting and Maintenance of Flower Beds and Containers

Week 17

- **As Thur is a reading day this work is to be done by Wed as it can be scheduled**
- Greenhouse clean-up & Plant Distribution
- Due: Lab Workbook Exercise #5 – Plant Selection, Garden Layout, Cost Analysis

Week 18 Lecture Final Exam – No Lab

In 1995 the UF student body enacted a new honor code and voluntarily committed itself to the highest standards of honesty and integrity. When students enroll at the university, they commit themselves to the standard drafted and enacted by students. In adopting this honor code, the students of the University of Florida recognize that academic honesty and integrity are fundamental values of the university community. Students who enroll at the university commit to holding themselves and their peers to the high standard of honor required by the honor code. Any individual who becomes aware of a violation of the honor code is bound by honor to take corrective action. The quality of a University of Florida education is dependent upon community acceptance and enforcement of the honor code. **The 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, the following pledge is either required or implied: **“On my honor, I have neither given nor received unauthorized aid in doing this assignment.”**

The university requires all members of its community to be honest in all endeavors. A fundamental principle is that the whole process of learning and pursuit of knowledge is diminished by cheating, plagiarism and other acts of academic dishonesty. In addition, every dishonest act in the academic environment affects other students adversely, from the skewing of the grading curve to giving unfair advantage for honors or for professional or graduate school admission.

Therefore, the university will take severe action against dishonest students. Similarly, measures will be taken against faculty, staff and administrators who practice dishonest or demeaning behavior. Students should report any condition that facilitates dishonesty to the instructor, department chair, college dean or Student Honor Court. (*Source: 2007-2008 Undergraduate Catalog*) It is assumed all work will be completed independently unless the assignment is defined as a group project, in writing by the instructor. This policy will be vigorously upheld at all times in this course.

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.

Campus Helping Resources

Students experiencing crises or personal problems that interfere with their general wellbeing are encouraged to utilize the university's counseling resources. Both the Counseling Center and Student Mental Health Services provide 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. The Counseling Center is located at 301 Peabody Hall (next to Criser Hall). Student Mental Health Services is located on the second floor of the Student Health Care Center in the Infirmary.

- *University Counseling Center*, 301 Peabody Hall, 392-1575, www.counsel.ufl.edu
- *Career Resource Center*, CR-100 JWRU, 392-1602, www.crc.ufl.edu/
- *Student Mental Health Services*, Rm. 245 Student Health Care Center, 392-1171, www.shcc.ufl.edu/smhs/

- Alcohol and Substance Abuse Program (ASAP)
- Center for Sexual Assault / Abuse Recovery & Education (CARE)
- Eating Disorders Program
- Employee Assistance Program
- Suicide Prevention Program

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. 0001 Reid Hall, 392-8565, www.dso.ufl.edu/drc/