

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, and plant selection by creating 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 Thursday from 1:55 – 3:50 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 and / or seedling 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 and Garden Information:** 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 15 to 20 minute exam on the previous weeks plants and garden information, followed by a 20-30 minute lecture on new plant and garden information. By the end of the semester the identification quizzes will have covered all plants and gardening information topics.

- **Landscape Design Project:** Students will design an annual / perennial garden project at a location and having a theme selected by the student, and agreed upon with the course instructor. The project will utilize a minimum of 15 plant species included in the Annuals and Perennials Plant Database (see above). Creativity, appropriate character for the selected location, fit to the agreed upon garden theme, proper selection and placement of plants will be important considerations in the grading of the project.

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

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 20% 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	Percent of Final Grade
94-100% A		
90-93% A-	10 quizzes	50%
87-89% B+	Plant Journals	15%
83-86% B	Lab Assignments	20%
80-82% B-	A & P Garden Design Project	10%
77-79% C+	Participation	5%
73-76% C		
70-72% C-		Total 100%
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
- Lab lecture: Review of Plant Nomenclature, Taxonomy, and seed sowing procedures.
- Tour of Greenhouse facility
- Sowing seeds and potting rooted plants

Week 2

- Lab lecture: Plant Group 1
- Flowers and Inflorescences
- Plant Baby and Plant Record Keeping Projects Briefing
- Potting Plants and Crop Management
- Due: Lab Assignment #1

Week 3

- Plant ID & Lab - Quiz 1
- Lab lecture: Plant Group 2
- Factors for Planning a Garden Part 1
- Garden Design Project Briefing
- Crop management
- Due: Lab Assignment #2

Week 4

- Plant ID & Lab – Quiz 2
- Lab Lecture: Plant Group 3
- Factors for Planning a Garden Part 2
- Crop management
- Due: Garden Design Proposal

Week 5

- Plant ID & Lab – Quiz 3
- Lab lecture: Plant Group 4
- On Campus Garden Tour

Week 6

- Plant ID & Lab – Quiz 4
- Lab lecture: Plant Group 5
- Garden Preparation - Soil
- Crop management
- Due: Assignment #3

Week 7 –

- Plant ID & Lab – Quiz 5
- Crop Management
- Lab lecture: Plant Group 6
- Plant Selection

Week 8 – (Mid-term Exam Week)

- Plant ID & Lab – Quiz 6
- Lab lecture: Plant Group 7

Week 8 , continued

- Planting and Establishing Plants
- Crop management
- Due: Provide copy of plant baby journal for review

Week 9 – Spring Break – No Lab

Week 10

- Plant ID & Lab – Quiz 7
- Lab lecture: Plant Group 8
- Maintaining Plants
- Crop Management
- Due: Assignment #4

Week 11

- Plant ID & Lab – Quiz 8
- Lab lecture: Plant Group 9
- Critters and Pests
- Crop management

Week 12

- Plant ID & Lab – Quiz 9
- Container Gardening
- Lab Lecture: Plant Group 10
- Crop management
- Due: Assignment #5

Week 13

- Plant ID & Lab – Quiz 10
- Flower Bed Planting & Crop management
- Due: Baby Plant Journal

Week 14

- Planting and Maintenance of Flower Beds and Containers & Crop management
- Due: Lab Record Book / Journal

Week 15

Statewide (or local) Field Trip – No Lab

Week 16

- Flower Bed Planting and Maintenance & Crop management
- Due: Field Trip Report

Week 17

- **As Thur. is a reading day, activities and assignments for this week's work is to be done and is due by Wed of this week.**
- Greenhouse Clean-up & Plant Distribution
- Due: Garden Design Project

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/