



Lab Syllabus

ORH 4804L Annual and Perennial Gardening Lab

Spring 2017

1 Credit

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Course Description:

A hands-on lab to implement identification, production, propagation, installation, and maintenance of annual and perennial specialty garden designs. Activities include assessment (site evaluation and diagnosis), planting (design, site preparation and installation) and maintenance of the color portion of Florida landscapes utilizing a wide array of herbaceous annuals and perennials. A weekend field trip may be required.

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

- ✓ Recognize and identify 50+ annual and perennial plant species by common and scientific name through exposure to locally available live plant samples
- ✓ Application of concepts introduced through hands-on laboratory exercises such as plant propagation, production, transplanting and maintenance activities.
- ✓ Gain annual and perennial plant production experiences via crop management activities, evaluation of crop performance and interpretation of annual and perennial plant growth performance across geographic regions and growth zones.
- ✓ Prepare, design, install and maintain an annual and perennial garden site.

Optional Texts

Your Florida Guide to Bedding Plants. 1997. R. J. Black & E. F. Gilman. UF/IFAS.

Your Florida Guide to Perennials. 2006. S. Park Brown & R. Schoellhorn, University Press of Florida

Useful Readings:

Brickell, C. and E. McDonald, eds. *Southern Living Annuals & Perennials*. 1998. Oxmoor House Inc. Birmingham, AL

The American Horticultural Society-Encyclopedia of Gardening.
DK Publishing, New York, NY.

The American Horticultural Society-A-Z Encyclopedia of Garden Plants. 1997. Brickell, C. and J.D. Zuk, editors. DK Publishing, New York, NY.

Herbaceous Perennial Plants. Armitage, A.M. 1989. Stipes Publishing, L.L.C., Champaign, Ill.

Plug and Transplant Production-A Grower's Guide. 1997. Styer, R.C. and D.S. Koranski. Ball Publishing, Batavia, Ill.

Manual of Herbaceous Ornamental Plants. 1997. Steven M. Still. Stipes Publishing, Champaign, Illinois

Your Florida Garden. Watkins and Wolfe. (ISBN: 0813002338).

Best Garden Color for Florida. Vol. 2. 2003. P. Crawford. Color Garden Inc.

Easy Gardens for South Florida. 2001. P. Crawford. Color Garden Inc.

Container Gardens for Florida. 2005. P. Crawford. Color Garden Inc.

Website

Annuals and Perennials Lab: <http://hort.ifas.ufl.edu/courses/ap/>

Other Web-links

Annuals and Perennials Plant Database with images from prior years: <http://irrecenvhort.ifas.ufl.edu>

Canvas e-Learning: <https://lss.at.ufl.edu>

Lab Format and Structure

- **Format:** Lab meetings will be every Thursday, periods 7-8 (1:55-3:50pm). 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.
- **Semester Plant Production Logbook:** Each student will be assigned a group of plants to produce from a seedling or 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 Semester Plant Production Logbook.
- **Species Group Presentation:** Each student will choose five plants (minimum of three plant families) from the list of plants that we are growing and complete a detailed species report. The report should include data on how the plants are growing in the greenhouse and in the garden. The report also needs to include: scientific name, common name, botanical description, growth form, size, flower description, culture, tolerances, and use.
- **Plant Identification:** Students will learn and be quizzed on 50 plants. There will be three cumulative ID exams. On exam days, plan on taking a 20 minute quiz followed by a 20-30 minute lecture on new plant materials for the next quiz. The exams are cumulative, meaning that by the end of the semester the identification exams will cover all plants.
- **Landscape Maintenance Project:** Each student will be assigned a section in the greenhouse complex to plant and maintain during the semester. We expect students to work a minimum of eight hours in the garden.
- **Design Project:** Students will design, install and maintain one or more garden projects using the plants grown and studied in class.

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 and common 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:

I. Plant Identification			
Quiz 1	15%		
Quiz 2	20%		
Final Exam	<u>25%</u>		
	total	60%	
2. Species Group Presentation:		25%	
3. Semester Plant Production Logbook:		<u>15%</u>	
		total	100%

Grading Scale

94-100%	A
90-93%	A-
87-89%	B+
83-86%	B
80-82%	B-
77-79%	C+
73-76%	C
70-72%	C-
67-69%	D+
63-66%	D
60-62%	D-
< 59%	E

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

Academic Honesty

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/

ORH 4804L - Annual and Perennial Gardening Lab Tentative schedule
Consult with local site instructor to confirm local lab schedules

Week	Lab Activity
1	Introduction of students/faculty; Tour of greenhouses and safety procedures; Planting 1
2	Planting 2
3	ID List 1
4	Propagation 1
5	ID List 2
6	Field Trip
7	ID Quiz 1; ID List 3
8	Personal Container Planting
9	ID List 4
10	Spring Break
11	ID Quiz 2
12	Garden Design and Install
13	ID List 5; Container Design and Planting
14	Group Presentations
15	Cumulative ID Exam