

Cover Sheet: Request 14892

ORH 4804L Annual and Perennial Gardening Lab

Info

Process	Course Modify Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Mack Thetford thetford@ufl.edu
Created	4/13/2020 10:54:08 AM
Updated	8/21/2020 4:15:49 PM
Description of request	This request is to change the prerequisites for the Annual and Perennial Gardening Lab course (ORH4804L) from two upper division courses (ORH3513 and PLS3223) to Junior standing.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Environmental Horticulture 514918000	Dean Kopsell		4/13/2020
ORH 4804 Lab Syllabus 2019.pdf					4/13/2020
College	Approved	CALS - College of Agricultural and Life Sciences	Joel H Brendemuhl	Approved by CALS CC.	8/21/2020
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			8/21/2020
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

Course|Modify for request 14892

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Submitter: Mack Thetford thetford@ufl.edu

Created: 9/9/2020 9:46:04 PM

Form version: 2

Responses

Current Prefix ORH

Course Level 4

Number 804

Lab Code L

Course Title Annual and Perennial Gardening Lab

Effective Term Earliest Available

Effective Year Earliest Available

Requested Action Other (selecting this option opens additional form fields below)

Change Course Prefix? No

Change Course Level? No

Change Course Number? No

Change Lab Code? No

Change Course Title? No

Change Transcript Title? No

Change Credit Hours? No

Change Variable Credit? No

Change S/U Only? No

Change Contact Type? No

Change Rotating Topic Designation? No

Change Repeatable Credit? No

Change Course Description? No

Change Prerequisites? Yes

Current Prerequisites Prereq: ORH 3513 and PLS 3223; Coreq: ORH 4804.
Proposed Prerequisites BOT 2010C or BSC 2010; Coreq: ORH 4804
Change Co-requisites? No

Rationale The present prerequisites are difficult for the students to obtain (difficulty in sequencing the offering of the three courses) in order to take advantage of the alternate year offering of this course. The plant identification skills available for the presently listed prerequisites are obtained in the preadmission biology requirements (lower division course requirements) for the plant science curriculum. I have taught the course for over 10 years to students who did not have these two course requirements and they have performed very well with the skills and knowledge obtained in the lower division biology courses. BOT 2010C or BSC 2010 are lower division biology requirements for the presently listed prerequisites. This lab requires the co-requisite of the Lecture but there are instances where the Lecture can be approved as an elective independent of the Lab, Hence the co-requisite requirement only for the lab.



Lab Syllabus

ORH 4804L Annual and Perennial Gardening Lab

Spring, Odd years

1 Credit

Milton
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thetford@ufl.edu
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Milton, FL 32570

Ft. Lauderdale
Dr. Kimberly Moore
954-577-6328
Klock@ufl.edu
Room 131 FLREC
3205 College Ave
Davie, FL 33314

Gainesville
Dr. Sandy Wilson
352-273-4576
sbwilson@ufl.edu
108 Mehrhof Hall
Gainesville, FL
32611-0675

Course Description:

ORH 4804L Annual and Perennial Gardening Laboratory

Credits: 1; Prereq: ORH 3513 and PLS 3223; Coreq: ORH 4804.

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 landscapes utilizing local gardens and plants produced in lab. 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 and application of concepts introduced as part of on-line lectures and hands-on laboratory exercises such as plant propagation, production, out-planting 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.
- Assess annual and perennial plant use and practice implementation of garden design concepts through the development of specialty garden designs, compiling lists of recommended plants, and participating in critiques of specialty garden designs.
- Practice implementation of garden management concepts via assessment and analysis of established annual and perennial gardens and development of a management activity plan/outline.

Websites

CANVAS (for supplemental lectures, print-outs, additional readings, plant identification lectures, Lab Workbook, group assignment descriptions, discussions, etc.) <https://lss.at.ufl.edu/>

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

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)

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)

Lab Format and Structure

- **Format:** See local posting for lab day and time. 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. A field trip will also be scheduled and your local lab may occur on a Saturday.

- **Plant Identification:** Students will be exposed to almost 200 different plant species between the lecture and lab components of the class but only quizzed on 50 plants. A core set of plants representing several key groups of annual and perennial species are presented as part of the lecture course in CANVAS beginning in week 2. There will be three cumulative ID exams. On exam days, plan on taking a 20 minute quiz followed by other scheduled lab activities. The exams are cumulative, meaning that by the end of the semester the identification exams will cover all 50 plants. These will be administered and graded by your local instructors for a total of 80 points, as designated below.

- **Written Assignments:** Five written exercises are described within the Lab Workbook. The Lab Workbook Exercises and the written Field Trip Report will be due one week after they are assigned. The Lab Workbook is provided in an electronic format and may be accessed in CANVAS. These written assignments will be submitted via CANVAS

- **Plant Production:** Each lab site will be assigned a group of plants to produce from a liner stage to a marketable plant. You will be asked to measure growth parameters, evaluate the growth and visual quality of these plants and to keep a photo log of your plants. There are three production assignments associated with this group of plants as outlined below. Each assignment will indicate if a single class report or individual student lab reports are assigned. For projects where individual student lab reports are required students will collect data and information as a group but individual and independent lab reports will be prepared. For individual, independent lab reports there shall be no collaboration on synthesis, interpretation or presentation of results. Data collected for these assignments is not optional and must be turned in as scheduled to allow for statewide coordination and comparison of results.

- Annual and Perennial Planting Projects:

Germination of Annual/Perennial Seed: Each student will germinate one or more flats of seed provided in lab and monitor the four stages of plug development. You will be responsible for the care of the seeded trays and present the seedling performance orally and in written format. This assignment is worth 10 points and will be graded using a rubric.

Individual Container Project: Each student will be given a container for greenhouse plants to be transplanted into (you will choose the design and plants for your individual container). You will be responsible for caring for your container garden. This includes watering, fertilizing, weeding, protecting from unusual cold temperatures, etc. This assignment is worth 10 points and will be graded using a rubric.

Student Plant Lecture Presentation: Students will choose plants from the list of plants that we are growing or have in the landscape and complete a detailed species report that will be presented to the class. (Plant selection should avoid plants presented in the plant group presentations from the lecture course). Your student lecture should include: scientific name, common name, botanical description, growth form, size, flower description, culture, tolerances, and use. Information on hybrid parentage, closely related species, or other available cultivars is encouraged. Presentations may use PowerPoint, video, photography, hands-on activities, or other methods. The acceptable formats of the project and methods for presentation will be determined by the local instructor. This assignment is worth 10 points and will be graded using a rubric.

Field Trip: During a required scheduled lab day we will take a field trip to a commercial plug producer. Students will summarize the operation in a one page or less report and submit the following week. Field Trip reports will be submitted via CANVAS This assignment is worth 5 points.

Landscape Project Assessment and Discussion

As a group students will design, install and maintain one or more garden projects using the plants grown and studied in class. These may include container and landscape gardens on campus. This activity is worth 5 points for participation.

Student Evaluation

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

<u>Activity</u>	<u>Points</u>
Plant identification quizzes	80
Lab Workbook Exercises	75
Exercise #1 – Taxonomy, Nomenclature, Terms (10)	
Exercise #2 – Leaf Terminology (10)	
Exercise #3 – Flower Anatomy (10)	
Exercise #4 – Site and Soil Analysis (15)	
Exercise #5 – Plant Selection, Garden Layout and Cost Analysis (30)	
Statewide Production and Assessments	30
Production Assignment 1 - Site Information and Production Protocol (10)	
Production Assignment 2 - Plant Report 1 (10)	
Production Assignment 3 – Plant Report 2 (10)	
Annual and Perennial Planting Projects	30
Germination of annual/perennial seed (10)	
Container design and presentation (10)	
Student presentations of annual/perennial plants (10)	
Field Trip Report	5
Landscape Project Assessment and discussion	5
Total	225

- Grading follows University standards and will based on the following scale:

<u>TOTAL POINTS</u>	<u>PERCENTAGES</u>	<u>ASSIGNED GRADE</u>
212- 225	94 – 100	A
202- 211	90 - 93	A-
195- 201	87 - 89	B+
186- 194	83 - 86	B
179- 185	80 - 82	B-
172- 178	77 - 79	C+
163- 171	73 - 76	C
157- 162	70 - 72	C-
150- 156	67 - 69	D+
141- 149	63 - 66	D+
135- 140	60 - 62	D-
<135	<60	E

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.
- *Plant ID Quizzes:* In order to do well in this lab, students will need to spend considerable time studying living samples and power points, and practicing rote memorization of the scientific, common and family names. A digital camera or smartphone can aid you in this aspect of the lab.
- *Handing in written assignments:* Unless otherwise stated, all assignments must be turned in via CANVAS. For assignments not submitted via canvas the assignment must be turned in at the beginning of class on the due date.
- *Completion of all assignments:* You must complete all assignments and participate in class in order to pass the course. Data collection for group assignments is not optional as student collected data are needed by others for subsequent assignments.

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

Week	Lab Topic	Lab Activity and Assignments	Points
1	Lab organization; Introduction of students/faculty; Tour of greenhouses and Teaching Garden.	Lab safety; Planting of plugs for statewide production projects. Assess greenhouse for Production Assignment 1	
2	Vegetative propagation Seed germination	Due: Production Assignment 1 - Site Information and Production Protocol (group report for your site) Seed Germination	10
3	Plant Nomenclature and Plant Groups Plant ID review	Due: Lab Workbook Exercise #1 Taxonomy & nomenclature	10
4	Morphology review Plant ID review	Due: Lab Workbook Exercise #2 Leaf terminology	10
5	Crop management Plant ID review	Evaluate plants for Production Assignment 2 Due: Lab Workbook Exercise #3 Flower anatomy	10
6	Field Trip	Due: Production Assignment 2 - Plant Report 1 (group report for your site)	10
7	Plant ID review	Plant ID Quiz 1 Due: Field Trip Report	25 5
8	Plant ID review	Evaluate plants for Production Assignment 3 Container planting	10
9	Spring Break		
10	Site and Soil Analysis Plant ID review	Landscape project discussion and planning Due: Production Assignment 3 - Plant Report 2 (Group report for your site)	5 10
11	Plant ID review	Plant ID Quiz 2 Due: Lab Manual Exercise #4 – Site and Soil Analysis	25 15
12	Plant Selection, Garden Layout and Cost Analysis	Student presentations (Container and germination projects)	20
13	Plant ID review	Due: Lab Manual Exercise #5 – Plant Selection, Garden Layout and Cost Analysis	30
14	Student Presentations Plant ID review	Student Presentations	10
15	Landscape Project Assessment and discussion	Cumulative ID Exam Greenhouse clean-up	30
			225

1. Class attendance, make-up exams and other work:

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>. You are required to inform your lab instructor if you must miss a class as some activities require significant preparation time prior to the scheduled date of the activity and you may not have an option to make it up.

2. Accommodations for 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. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation. www.dso.ufl.edu/drc/ 0001 Reid Hall, 352-392-8565

3. Textbooks: Optional as described in syllabus

4. UF grading policies for assigning grade points: See <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

5. Online course evaluation process:

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

6. Materials and Supplies Fees: \$50

7. Critical dates for exams or other work: Critical dates are posted within the Canvas E-Learning system and conform to the general weekly schedule of topics and assignments provided in the tentative lecture schedule.

8. Academic Integrity: As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity." You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit

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."

It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks (e.g. assignments, papers, quizzes, exams). Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: <http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code>.

9. Campus Helping Resources: Students experiencing crises or personal problems that interfere with their general well-being are encouraged to utilize the university's counseling resources. The Counseling & Wellness Center provides 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.

- *University Counseling & Wellness Center, 3190 Radio Road, 352-392-1575, www.counseling.ufl.edu/cwc/ Counseling Services
Groups and Workshops
Outreach and Consultation
Self-Help Library
Wellness Coaching*
- *U Matter We Care, www.umatter.ufl.edu/*
- *Career Resource Center, First Floor JWRU, 392-1601, www.crc.ufl.edu/*

10. 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.

11. Class demeanor: *Common courtesy:* Cell phones and other electronic devices may be used to photograph plants during class but must be placed in silent mode. Students who receive or make calls/messages during class will be asked to leave. Students engaging in disruptive behavior (e.g., talking, texting, etc.) will be asked to leave the class. Repeat violations of these rules will result in dismissal from class.