

Cover Sheet: Request 15072

ORH 4804C – Annual and Perennial Gardening

Info

Process	Course New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Sandra Wilson sbwilson@ufl.edu
Created	6/15/2020 8:56:42 AM
Updated	9/2/2020 11:13:02 AM
Description of request	ORH 4804 (annual and perennial gardening) is currently taught at ORH 4804 (2 credit lecture) and ORH 4804L (1 credit lab). We would like to add another option of having a combined ORH4804C course for when it is taught live in Gainesville.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Environmental Horticulture 514918000	Dean Kopsell		6/15/2020
No document changes					
College	Approved	CALS - College of Agricultural and Life Sciences	Joel H Brendemuhl	Edits required by the CALS CC have been made.	9/2/2020
ORH4804C Syllabus 2020-UCCI request with CCC revisions.pdf CALs CC Checklist-sbw.pdf					9/2/2020 7/23/2020
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			9/2/2020
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|New for request 15072

Info

Request: ORH 4804C – Annual and Perennial Gardening

Description of request: ORH 4804 (annual and perennial gardening) is currently taught at ORH 4804 (2 credit lecture) and ORH 4804L (1 credit lab). We would like to add another option of having a combined ORH4804C course for when it is taught live in Gainesville.

Submitter: Sandra Wilson sbwilson@ufl.edu

Created: 9/2/2020 10:55:33 AM

Form version: 2

Responses

Recommended Prefix ORH

Course Level 4

Course Number 804

Category of Instruction Advanced

Lab Code C

Course Title Annual and Perennial Gardening

Transcript Title Annual and Perennial Gardening

Degree Type Baccalaureate

Delivery Method(s) On-Campus, Online

Co-Listing No

Effective Term Spring

Effective Year 2021

Rotating Topic? No

Repeatable Credit? Yes

If repeatable, # total repeatable credit allowed 1

Amount of Credit 3

S/U Only? No

Contact Type Regularly Scheduled

Weekly Contact Hours 4

Course Description Identification, selection, use and management of annuals, perennials, vines, ornamental grasses and ground covers in the landscape. Hands-on care for plants in the outdoor laboratory. Learn the irrigation, fertilization, pruning and cultural needs of these popular plants. Laboratory complements lecture.

Prerequisites junior standing

Co-requisites N/A

Rationale and Placement in Curriculum Request is for existing Annual and Perennial Gardening (ORH 4804-2 credits and ORH 4804L-1 credit) to be additionally offered as ORH 4804C (3 credits). This will allow for a single canvas page, a single grade per student, and a single combined syllabus when taught live in Gainesville.

This is consistent with Environmental Plant Identification, with all 3 options (ORH3513C, ORH 3513L, ORH 3513).

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

- Recognize and evaluate major annual and perennial plant categories and choose annual and perennial plants suited to diverse regional climates.
- Identify, compare and contrast retail availability of annual and perennial plants across geographic regions and growth zones.
- Explain the importance of annual and perennial plant growth characteristics in assessing the potential use of problematic (invasive) annuals and perennials.
- Identify, describe and evaluate various types of specialty gardens and the key concepts, designs, and plants that are particular to each.
- Assess annual and perennial plant performance in existing landscapes, develop maintenance

and installation design recommendations and compile lists of recommended plants based on application of basic landscape design principles related to specialty annual and perennial gardens.

Lab

- Identify and differentiate 50+ annual and perennial plant species by common and scientific name
- Manage annual and perennial plant propagation and production via crop management activities, evaluation of crop performance and interpretation of plant growth performance across geographic regions and growth zones.
- Critique 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.

Course Textbook(s) and/or Other Assigned Reading We will be using the text: Florida Gardener's Handbook: All you Need to Know to Plan, Plant & Maintain a Florida Garden. 2012. T. MacCubbin and G. Tasker (ISBN: 1591865425)

We provide material in PP lectures, accompanied by additional reading assignments as outlined in the attached syllabus.

LECTURE

Module 1. Identification, production, installation & management

1 Course Overview, Important Terms and Concepts –
Classification, Taxonomy, Nomenclature –

Read: North FL Gardening <https://edis.ifas.ufl.edu/ep451>

2 Key Plant Families –
Plant group - Cool Season Annuals – Part 1 Quiz 1 (weeks 0-2) (20 min)
Plant Availability Assignment

3 Basic Principles of Landscape Design - Hansen
Propagation and Production systems for Annuals and Perennials –
Cool Season Annuals – Part II Read: Basic Principles of Landscape Design
<https://edis.ifas.ufl.edu/mg086>

4 Installation and Maintenance of Bedding Plants-
Plant group - Asteraceae Family – Part I Quiz 2 (weeks 3-4)
Landscape Assessment Assignment – Part 1

5 Cool & Warm Season Annuals; Designing with Color -
Plant group - Euphorbiaceae and Verbenaceae

Read: Gardening with Annuals in Florida <https://edis.ifas.ufl.edu/mg319>
Read Gardening with Perennials in Florida
<https://edis.ifas.ufl.edu/mg035>

6 Geophytes (Tropical Bulbs, Corms and Tubers) –
Plant group – Geophytes - "Bulbs" Due: Landscape Assessment Assignment - Part 1
Read: Bulbs for Florida https://edis.ifas.ufl.edu/topic_bulbous_flowers

7 Tropical Perennials and Vertical Gardening (Flowering Vines) –
Plant group - Crassulaceae Quiz 3 (weeks 5-7)
Due: Plant Availability Assignment

8 Ornamental Grasses -
Plant group - Asteraceae – Part II Considerations for Selection and Use of Ornamental Grasses
<https://edis.ifas.ufl.edu/ep233>

9 Spring Break

- 10 Mid-Term Exam Landscape Assessment Assignment - Part 2
MODULE 2. – Specialty Gardens, Invasive Species, and Current Topics
- 11 Container Gardening
Plant group - Acanthaceae Read: Container Gardens for Outdoor Spaces
<https://edis.ifas.ufl.edu/ep326>
- 12 Rain Gardens
Wildflower Gardening
Plant group - Warm Season Annuals Quiz 4 (Weeks 11-12)
Landscape Design Exercise Assignments
- 13 Water Gardening - Plant group - Lamiaceae Due: Landscape Assessment Assignment - Part 2
- 14 Butterfly Gardening - Jaret Daniels
Plant group - Perennials Quiz 5 (Weeks 13-14)
Read Butterfly Gardening in FL <https://edis.ifas.ufl.edu/uw057>
- 15 Problematic (Invasive) Annuals and Perennials Due: Landscape Design Exercise Assignment
- 16 Current topic in annual or perennial gardening - guest lecture or assigned reading
Current Topic Online Discussion
- 17 Final Exam

Weekly Schedule of Topics Weekly schedule of topics are outlined in attached syllabus.

LECTURE

Module 1. Identification, production, installation & management

1 Course Overview, Important Terms and Concepts –
Classification, Taxonomy, Nomenclature –

Read: North FL Gardening <https://edis.ifas.ufl.edu/ep451>

2 Key Plant Families –

Plant group - Cool Season Annuals – Part 1 Quiz 1 (weeks 0-2) (20 min)
Plant Availability Assignment

3 Basic Principles of Landscape Design - Hansen

Propagation and Production systems for Annuals and Perennials –

Cool Season Annuals – Part II Read: Basic Principles of Landscape Design
<https://edis.ifas.ufl.edu/mg086>

4 Installation and Maintenance of Bedding Plants-

Plant group - Asteraceae Family – Part I Quiz 2 (weeks 3-4)
Landscape Assessment Assignment – Part 1

5 Cool & Warm Season Annuals; Designing with Color -

Plant group - Euphorbiaceae and Verbenaceae

Read: Gardening with Annuals in Florida <https://edis.ifas.ufl.edu/mg319>

Read Gardening with Perennials in Florida
<https://edis.ifas.ufl.edu/mg035>

6 Geophytes (Tropical Bulbs, Corms and Tubers) –

Plant group – Geophytes - “Bulbs” Due: Landscape Assessment Assignment - Part 1
Read: Bulbs for Florida https://edis.ifas.ufl.edu/topic_bulbous_flowers

7 Tropical Perennials and Vertical Gardening (Flowering Vines) –
Plant group - Crassulaceae Quiz 3 (weeks 5-7)
Due: Plant Availability Assignment

8 Ornamental Grasses -
Plant group - Asteraceae – Part II Considerations for Selection and Use of Ornamental Grasses
<https://edis.ifas.ufl.edu/ep233>

9 Spring Break

10 Mid-Term Exam Landscape Assessment Assignment - Part 2
MODULE 2. – Specialty Gardens, Invasive Species, and Current Topics

11 Container Gardening
Plant group - Acanthaceae Read: Container Gardens for Outdoor Spaces
<https://edis.ifas.ufl.edu/ep326>

12 Rain Gardens
Wildflower Gardening
Plant group - Warm Season Annuals Quiz 4 (Weeks 11-12)
Landscape Design Exercise Assignments

13 Water Gardening - Plant group - Lamiaceae Due: Landscape Assessment Assignment -
Part 2

14 Butterfly Gardening - Jaret Daniels
Plant group - Perennials Quiz 5 (Weeks 13-14)
Read Butterfly Gardening in FL <https://edis.ifas.ufl.edu/uw057>

15 Problematic (Invasive) Annuals and Perennials Due: Landscape Design Exercise Assignment

16 Current topic in annual or perennial gardening - guest lecture or assigned reading
Current Topic Online Discussion

17 Final Exam

ORH 4804C - Annual and Perennial Gardening

Week Lab Topic Lab Activity and Assignments

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
Seed Germination

3 Plant Nomenclature and Plant Groups

Plant ID review Due: Lab Workbook Exercise #1 Taxonomy & nomenclature

4 Morphology review

Plant ID review Due: Lab Workbook Exercise #2 Leaf terminology

5 Crop management

Plant ID review Evaluate plants for Production Assignment 2
 Due: Lab Workbook Exercise #3 Flower anatomy
 6 Field Trip Due: Production Assignment 2 - Plant Report 1
 7 Plant ID review Plant ID Quiz 1
 Due: Field Trip Report
 8 Plant ID review Evaluate plants for Production Assignment 3
 Container planting
 9 Spring Break
 10 Site and Soil Analysis
 Plant ID review Landscape project discussion and planning
 Due: Production Assignment 3 - Plant Report 2
 11 Plant ID review Plant ID Quiz 2
 Due: Lab Manual Exercise #4 – Site and Soil Analysis
 12 Plant Selection, Garden Layout and Cost Analysis Student presentations (Container and germination projects)
 13 Plant ID review Due: Lab Manual Exercise #5 – Plant Selection, Garden Layout and Cost Analysis
 14 Student Presentations
 Plant ID review Student Presentations Due
 15 Landscape Project Assessment and discussion Cumulative ID Exam
 Greenhouse clean-up

Grading Scheme Course Assignments and point values- 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:

Distribution of Points

Lecture Assignments
 5 Quizzes (10 points each) 50
 4 Gardening Assignments
 1. Plant availability assessment 30
 2. Landscape assessment (part 1) 35
 3. Landscape assessment (part 2) 35
 4. Annual and perennial garden design exercises (3@ 30 pts each) 90
 Online discussion of current topic in Annual and Perennial Gardening 10
 Mid-term exam 100
 Final exam 100
 Lab Assignments
 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)
 Plant Lecture Project
 10
 Plant identification quizzes 80
 Annual and Perennial Planting Projects 20
 Germination of annual/perennial seed (10)
 Container design and presentation (10)
 Field Trip Report 5
 Landscape Project Assessment and discussion 5

Total Course Points 675

TOTAL POINTS	PERCENTAGES	ASSIGNED GRADE
TOTAL POINTS	PERCENTAGES	ASSIGNED GRADE
631.0 – 675.0	93.5–100.0	A
604.0 – 630.9	89.5–93.4	A-
583.0 – 603.9	86.5–89.4	B+
556.0 – 582.9	82.5–86.4	B
536.0 – 555.9	79.5–82.4	B-
516.0 – 535.9	76.5–79.4	C+
489.0 – 515.9	72.5–76.4	C
468.0 – 488.9	69.5–72.4	C-
448.0 – 467.9	66.5–69.4	D+
421.0 – 447.9	62.5–66.4	D
401.0 – 420.9	59.5–62.4	D-
<400.9		

<59.4 E

Instructor(s) Sandra Wilson and Mack Thetford
Attendance & Make-up Yes
Accomodations Yes
UF Grading Policies for assigning Grade Points Yes
Course Evaluation Policy Yes

CALS Curriculum Committee Submission Checklist

NOTE: This checklist must be included with all course and certificate submissions.

The checklist below is intended to facilitate course and certificate submissions to the University of Florida Academic Approval Tracking System (<https://approval.ufl.edu/>). The checklist consists of the most common items that can cause a submission to require changes or be recycled. Contrary to information provided on the UF approval site, the CALS Curriculum Committee requires a syllabus be submitted with each new course or course modification request. Please note that submitters are encouraged to attend the CALS CC meeting at which their item is being reviewed. This allows the submitter to answer any potential questions that may arise that could cause the item to not be approved. Also, be aware that when completing the UCC form the section Description of Request is asking for a brief statement about what you are doing. This is **not** the place for a course description. A statement such as “Proposal of a new undergraduate course” is all that is needed. Please do not submit documents in pdf format. All documents should be submitted in Word to facilitate editing on our end if necessary.

CHECKLIST: PLEASE MARK DONE OR N/A FOR EACH STATEMENT TO INDICATE YOUR COMPLIANCE.

It is required when making a submission that you consult your department’s representative to the CALS CC. A list of current members can be found on the committee site located at: <https://cals.ufl.edu/faculty-staff/committees/>.

Review the CALS Syllabus Policy. This document can be viewed at the committee site (<https://cals.ufl.edu/faculty-staff/committees/>) by clicking on the Curriculum Committee – Information & Documents heading and scrolling down to Forms, Checklists, and Other documents. The other items included here are all very helpful when making a curriculum submission. Some will be mentioned in other checklist items below.

Joint course submissions must include both graduate and undergraduate syllabuses and a separate statement outlining the substantial (more than one) differences in assignments between the two courses. These assignments must account for at least a 15% difference in graded material between the two levels. If this is a new course submission both courses must be submitted for approval simultaneously.

The Course Description is the catalog copy and cannot exceed 50 words. The course description on the UCC form and in the syllabus must match. Any other information you wish to include needs to be under a different heading such as background or additional information.

The course learning objectives must be consistent with Bloom's taxonomy. Please see the following link at the CALS Curriculum site. (https://cals.ufl.edu/content/PDF/Faculty_Staff/cals-course-objectives.pdf). Do not use the words demonstrate or understand when listing learning objectives.

The course schedule should be concise and include the appropriate number of weeks in the semester.

All graduate course submissions must include a reading list if a textbook is not required. The reading list should include at least some current readings (within the last 5 years). All readings do not need to be current.

Outside consultations are required if there is a possibility of the proposed course covering material taught in another department or college on campus. There must be a consult form completed by the chair of the department from who you are seeking the consult. Instructors may provide additional consults. The form can be found at: <https://registrar.ufl.edu/pdf/ucccconsult.pdf>.

Prerequisite courses are required for 3000 and 4000 level courses. This line of the approval form cannot be "none" or left blank. Junior or senior standing is an acceptable option. A phrase such as "a course in basic biology" is not acceptable.

Decimal points must be included in the grading scale if grade cut-offs are based on percentages. While this is not a university policy it is a CALS standard practice to avoid any confusion when final grades for the course are determined.

The attendance and make-up policy in a syllabus cannot contradict the university's policy. Do not include any additional wording to this policy. A statement and link regarding this is included in the CALS Syllabus Statements. For the approval process the college suggests a less is more view when it comes to this policy.

The most recent version of the CALS Syllabus Statements boilerplate must be included in all syllabuses. This document is included in the CALS Syllabus Policy and can be copied and pasted to the syllabus. Do not use the boilerplate statements from an old syllabus as they are likely to be out of date.

Certificates

If proposing a new undergraduate or graduate level certificate that includes any courses outside of the submitters department a statement regarding any possible impact on those courses needs to be included. An email from the instructor is acceptable. Also, any courses required for the certificate must have permanent prefixes and course numbers.



Syllabus
Annual and Perennial Gardening
ORH 4804C – Spring, odd years
3 Credits

Dr. Sandra B. Wilson Professor Gainesville 772-834-7619 sbwilson@ufl.edu Office hours Thursdays 12:00-1:00pm in person or by zoom Office: 108 Mehrhof Hall	Dr. Mack Thetford Associate Professor Milton 850-983-7130 thetford@ufl.edu Office: Milton Rm 4921
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Course Description

Credits: 3: Prereq: Junior Standing

Identification, selection, use and management of annuals, perennials, vines, ornamental grasses and ground covers in the landscape. Hands-on care for plants in the outdoor laboratory. Learn the irrigation, fertilization, pruning and cultural needs of these popular plants.

Meeting Location: PSF 5, Greenhouse Complex, Thursdays 2:00-6:00 pm. Hybrid course will offer designated lectures online to complement live learning experiences.

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

Lecture

- Recognize and evaluate major annual and perennial plant categories and choose annual and perennial plants suited to diverse regional climates.
- Identify, compare and contrast retail availability of annual and perennial plants across geographic regions and growth zones.
- Explain the importance of annual and perennial plant growth characteristics in assessing the potential use of problematic (invasive) annuals and perennials.
- Identify, describe and evaluate various types of specialty gardens and the key concepts, designs, and plants that are particular to each.
- Assess annual and perennial plant performance in existing landscapes, develop maintenance and installation design recommendations and compile lists of recommended plants based on application of basic landscape design principles related to specialty annual and perennial gardens.

Lab

- Identify and differentiate 50+ annual and perennial plant species by common and scientific name
- Manage annual and perennial plant propagation and production via crop management activities, evaluation of crop performance and interpretation of plant growth performance across geographic regions and growth zones.
- Critique 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.

Required Textbook

Florida Gardener's Handbook: All you Need to Know to Plan, Plant & Maintain a Florida Garden. 2012.
T. MacCubbin and G. Tasker
(ISBN: 1591865425)

*Additional readings are listed by week.

Useful Optional Textbooks

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

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

Website

CANVAS (for lectures, print-outs, additional readings, assignments, discussions, etc.)

<https://lss.at.ufl.edu/>

Student Responsibilities

- *Attendance*: You are expected to attend and participate in scheduled classes, <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>.
- *Preparation*: You are responsible for retrieving PP lecture notes and handouts through e-learning.
- *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.
- *Submitting assignments*: Unless otherwise stated, all assignments must be turned in through e-learning.
- *Extra credit assignments*: The course requirements are clearly outlined in the syllabus. There is no option for Extra Credit Assignments.

- **Plant Identification**: Students will be exposed to almost 200 different plant species during the semester in both lecture and lab. A core set of plants representing several key groups of annual and perennial species are presented each week in CANVAS beginning in week 2.

- **Written Assignments**: Four written Garden Assignments are outlined below. These projects require you to visit local commercial landscapes and businesses that offer annual and perennial plants for sale. The dates these assignments are available in Canvas and the dates the assignments are due are listed on the course calendar and in the written instructions available to you in CANVAS. These assignments will require you to visit locations outside the classroom and also require you to collect specific data over several weeks. A full statewide summary of data will be prepared and provided to all students as part of discussion questions that will appear on your exams or interactive online discussions via CANVAS or ZOOM.

Student Evaluation (ORH4026C)

Lecture will consist of 5 quizzes, 4 assignments, an online discussion, and two exams (a mid-term and a cumulative final exam) comprised of multiple choice, short answer, true/false, matching and short essay questions. Any questions regarding your performance on any test are welcome. Please arrange an appointment whenever you need help.

Lab will primarily consist of 5 exercises, 3 production assignments, 3 projects, and 3 live plant quizzes. 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. The assignments are outlined below:

- **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. 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.

- **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 will be presented in addition to other species. 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.

- **Written Assignments:** Five written exercises are described within the Lab Workbook. The Lab Workbook Exercises will be due one week after they are assigned. The Lab Workbook is provided in an electronic format and may be accessed in the WEEK 0 module in CANVAS. The written assignments may be completed on the pages of the lab workbook during lab but the answers must be submitted as a written assignment via CANVAS.

- **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.

Plant Lecture Project: 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 submitted in CANVAS. (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, or other digital presentation methods that can be submitted via CANVAS. This assignment is worth 10 points and will be graded using a rubric.

Field Trip: During a 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 report 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.

Course Assignments and Point Values- 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:

	<u>Distribution of Points</u>
Lecture Assignments	
5 Quizzes (10 points each)	50
4 Gardening Assignments	
1. Plant availability assessment	30
2. Landscape assessment (part 1)	35

3. Landscape assessment (part 2)	35
4. Annual and perennial garden design exercises (3@ 30 pts each)	90
Online discussion of current topic in Annual and Perennial Gardening	10
Mid-term exam	100
Final exam	100
Lab Assignments	
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)	
Plant Lecture Project	10
Plant identification quizzes	80
Annual and Perennial Planting Projects	20
Germination of annual/perennial seed (10)	
Container design and presentation (10)	
Field Trip Report	5
Landscape Project Assessment and discussion	5
Total Course Points	675

<u>TOTAL POINTS</u>	<u>PERCENTAGES</u>	<u>ASSIGNED GRADE</u>
631.0 – 675.0	93.5–100.0	A
604.0 – 630.9	89.5–93.4	A-
583.0 – 603.9	86.5–89.4	B+
556.0 – 582.9	82.5–86.4	B
536.0 – 555.9	79.5–82.4	B-
516.0 – 535.9	76.5–79.4	C+
489.0 – 515.9	72.5–76.4	C
468.0 – 488.9	69.5–72.4	C-
448.0 – 467.9	66.5–69.4	D+
421.0 – 447.9	62.5–66.4	D
401.0 – 420.9	59.5–62.4	D-
<400.9	<59.4	E

ORH 4804C Annual and Perennial Gardening Lecture and Lab Schedules

Week	Lecture Topics	Lecture quizzes/Assignments/Reading	Point Value
Module 1. Identification, production, installation & management			
1	Course Overview, Important Terms and Concepts – Classification, Taxonomy, Nomenclature –	Read: North FL Gardening https://edis.ifas.ufl.edu/ep451	
2	Key Plant Families – Plant group - Cool Season Annuals – Part 1	Quiz 1 (weeks 0-2) (20 min) Plant Availability Assignment	10
3	Basic Principles of Landscape Design - Hansen Propagation and Production systems for Annuals and Perennials – Cool Season Annuals – Part II	Read: Basic Principles of Landscape Design https://edis.ifas.ufl.edu/mg086	
4	Installation and Maintenance of Bedding Plants- Plant group - Asteraceae Family – Part I	Quiz 2 (weeks 3-4) Landscape Assessment Assignment – Part 1	10
5	Cool & Warm Season Annuals; Designing with Color - Plant group - Euphorbiaceae and Verbenaceae	Read: Gardening with Annuals in Florida https://edis.ifas.ufl.edu/mg319 Read Gardening with Perennials in Florida https://edis.ifas.ufl.edu/mg035	
6	Geophytes (Tropical Bulbs, Corms and Tubers) – Plant group – Geophytes - “Bulbs”	Due: Landscape Assessment Assignment - Part 1 Read: Bulbs for Florida https://edis.ifas.ufl.edu/topic_bulbous_flowers	35
7	Tropical Perennials and Vertical Gardening (Flowering Vines) – Plant group - Crassulaceae	Quiz 3 (weeks 5-7) Due: Plant Availability Assignment	40
8	Ornamental Grasses - Plant group - Asteraceae – Part II	Considerations for Selection and Use of Ornamental Grasses https://edis.ifas.ufl.edu/ep233	
9	Spring Break		
10	Mid-Term Exam	Landscape Assessment Assignment - Part 2	100
MODULE 2. – Specialty Gardens, Invasive Species, and Current Topics			
11	Container Gardening Plant group - Acanthaceae	Read: Container Gardens for Outdoor Spaces https://edis.ifas.ufl.edu/ep326	
12	Rain Gardens Wildflower Gardening Plant group - Warm Season Annuals	Quiz 4 (Weeks 11-12) Landscape Design Exercise Assignments	10
13	Water Gardening - Plant group - Lamiaceae	Due: Landscape Assessment Assignment - Part 2	35
14	Butterfly Gardening - Jaret Daniels Plant group - Perennials	Quiz 5 (Weeks 13-14) Read Butterfly Gardening in FL https://edis.ifas.ufl.edu/uw057	10
15	Problematic (Invasive) Annuals and Perennials	Due: Landscape Design Exercise Assignment	90
16	Current topic in annual or perennial gardening - guest lecture or assigned reading		10

	Current Topic Online Discussion		
17	Final Exam		100
		Total Lecture Points	450

ORH 4804C - Annual and Perennial Gardening			
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 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	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	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	25
14	Student Presentations Plant ID review	Student Presentations Due	10
15	Landscape Project Assessment and discussion	Cumulative ID Exam Greenhouse clean-up	25
		Total Lab Points	225

Course Policies and Campus Resources

Grades and Grade Points

For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>.

Fees: Materials and Supplies, \$50.00

Attendance and Make-Up Work

Requirements for class attendance and make-up exams, assignments and other work are consistent with university policies that can be found at: <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>.

COVID Response Statements

We will have face-to-face instructional sessions to accomplish the student learning objectives of this course. In response to COVID-19, the following policies and requirements are in place to maintain your learning environment and to enhance the safety of our in-classroom interactions.

- You are required to wear approved face coverings at all times during class and within buildings. Following and enforcing these policies and requirements are all of our responsibility. Failure to do so will lead to a report to the Office of Student Conduct and Conflict Resolution.
- This course has been assigned a physical classroom with enough capacity to maintain physical distancing (6 feet between individuals) requirements. Please utilize designated seats and maintain appropriate spacing between students. Please do not move desks or stations.
- Sanitizing supplies are available in the classroom if you wish to wipe down your desks prior to sitting down and at the end of the class.
 - Follow your instructor's guidance on how to enter and exit the classroom. Practice physical distancing to the extent possible when entering and exiting the classroom.
- If you are experiencing COVID-19 symptoms, go to <https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html>) for guidance from the CDC on symptoms of coronavirus, please use the UF Health screening system and follow the instructions on whether you are able to attend class. Go to <https://coronavirus.uflhealth.org/screen-test-protect-2/frequently-asked-questions/covid-19-exposure-and-symptoms-who-do-i-call-if/> for UF Health guidance on what to do if you have been exposed to or are experiencing Covid-19 symptoms.
- Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work. Find more information in the university attendance policies.

Online Course Evaluation Process

Student assessment of instruction is an important part of efforts to improve teaching and learning. At the end of the semester, students are expected to provide feedback on the quality of instruction in this course using a standard set of university and college criteria. Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at: <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at: <https://gatorevals.aa.ufl.edu/public-results/>.

Academic Honesty

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>.

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.

Services 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
0001 Reid Hall, 352-392-8565, <https://disability.ufl.edu/>

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*

Counseling Services

Groups and Workshops

Outreach and Consultation

Self-Help Library

Wellness Coaching

- U Matter We Care, www.umatter.ufl.edu/

- *Career Connections Center, First Floor JWRU, 392-1601, <https://career.ufl.edu/>.*

Student Complaints:

- Residential Course: <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>.
- Online Course: <http://www.distance.ufl.edu/student-complaint-process>