ORH 2752: Sensory Gardening

Spring 2022; 2 Credits R 9:35 – 11:30 room: Fifield 2316

Instructor

Course: ORH 2752: Sensory Gardening
Instructor: Dr. Kevin Begcy
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Office Hours: Every Tuesday from 9:00am – 10:00am or
                  by appointment. Please send me an e-mail.

Course Description: A hands-on, multidisciplinary approach to environmental horticulture delivered through the context of the human senses. Class activities, assignments, and projects are designed to enhance students' awareness and understanding of how horticulture relates to the natural and built world, as well as the ways in which people perceive those worlds.

Justification: This course provides an introduction to environmental horticulture with emphasis on the relationship between plants and the human sensory experience and the impact of plant sciences on the daily lives of humans. To be responsible and effective stewards of our environment, students should understand not only the environment and the plants used in landscapes, but also the ways in which humans use, experience, and are affected by plants. Students will gain a fundamental understanding of people-plant interactions that they may not obtain from courses where primary emphasis is on identification, use, or management of plants and landscapes.

Course Objectives: Upon completion of this course, students will be able to:

o Describe the basic biological functions of the human sensory organs.
o Assess uses of plants and explain how they relate to sensory perception.
o Demonstrate ways in which plants affect the sensory experience.
o Analyze the relationships between people and plants from biological and social perspectives.

Grading

Course grades will be based on 1000 points.

Total: 1000 points
Quizzes: 80 points each / 400 points total (5 quizzes total)
Assignments: 400 points (15 assignments total)
Class participation and discussions: 200 points

Quizzes: 40%
Assignments: 40%
Class Participation: 20%

*Late submissions will be reduced by one letter grade for each day past due, including weekends.

Grade distribution

A   100 - 90%
B   89 - 80.0%
C   79 - 70%
D   69 - 60%
E   59% or below

Grades and Grade Points

For information on current UF policies for assigning grade points, see

https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

Quizzes: Quizzes will be given towards the end of each module. They will be based primarily on content from that module but may include content from previous modules where appropriate. The format will vary, but they should take less than one half of a class period to complete. There will be no makeup quizzes.

Presentations: Presentations will be performed individually and should last 15 minutes. Formats will vary. Creativity required.

Assignments: Assignments are due the next class and should be turned in at the beginning of the following lecture period.

Participation: Information in this course is delivered via in-class activities, discussions, site visits and presentations. Your active participation is expected and is impossible when you are absent from class. Students are permitted one absence per semester. If you are going to miss class, you are expected to notify the instructor before the class that you are missing class. There will be no makeup quizzes and students are responsible for turning in assignments at the beginning of class the day they are due, even if a student is missing class that day. Only documented doctor's excuses or UF-approved activities will be excused.

Electronic Devices: Students are required to silence their cell phones and other electronic devices before class.

Site Visit Days: Occasional field trips to gardens and other sites will be arranged. Students will be expected to meet at nearby or on-campus locations. Students will be notified at least two weeks in advance of trips. If you miss class, you are responsible for catching up on announcements regarding meeting locations or field trips.

Class info: Official course information will be distributed in class or delivered via UF email and other electronic avenues as designated by the course instructor.

Lecture schedule:

Date			Topics	Learning Modules
Jan	6	(R)	Introductions, Review Syllabus, why we should know about plants?	Module 1: Sight
Jan	13	(R)	Human vision - What a Plant Sees? Assignment of Sight visit #1	
Jan	20	(R)	Sight quiz #1; Container planting: a sensory experience; Assignment of Sight visit #2	
Jan	27	(R)	Site Visit: On campus - Wilmot Gardens, A Plant Therapy Experience. Assignment of Touch visit #1	Module 2: Touch
Feb	3	(R)	The somatosensory system; Plants that alter our perception of touch and plant tropisms; Plants, emotion, and physical sensation a sensory experience Assignment of Touch visit #2	
Feb	10	(R)	Touch quiz #2 Do plants feel? Assignment of Touch visit #3	
Feb	17	(R)	How the olfactory system works; How plants produce fragrance / VOC's; Assignment of Smell visit #1	Module 3: Smell
Feb	24	(R)	Assignment of Site Visit: Kanapaha Botanical Gardens Assignment of Smell visit #2	
Mar	3	(R)	Smell quiz #3 Where Smell come from onions and Garlic? Assignment of Smell visit #3	
Mar	10	(R)	Spring Break	Module 4: Sound
Mar	17	(R)	How humans hear - do plants hear? - Assignment of Sound visit #1	
Mar	24	(R)	Sound quiz #4 Site Visit: Butterfly Rainforest Assignment of taste visit #2	
Mar	31	(R)	Blueberry Research - Taste panel Assignment of taste #1	Module 5: Taste
Apr	7	(R)	How do human taste? - Coffee and Chocolate Assignment of taste #2	
Apr	14	(R)	Taste quiz #5; Students presentations on Senses	

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/.

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 wellbeing 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-studentconduct-code/.

• Online Course: http://www.distance.ufl.edu/student-complaint-process