

Tree and Small Fruit Production FRC 3274

Instructor: Jeff Williamson, professor, 2113 Fifield, (352) 273-4823, jgrw@ufl.edu

Class Description: Current principles and cultural practices of temperate tree, bush, and vine fruit crop production in Florida and in other regions of the World. Major emphasis will be on practical aspects based on an understanding of underlying biology and physiology.

Tests: There will be three exams during the semester.

Grading Criteria: The three exams will contribute 90% of the final grade. Tests will be mostly short answer and discussion type. Class attendance and participation will contribute 10%. You can get the 10% by not missing more than 3 lectures total, and by making weekly comments or questions in class. For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Absences 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/ugrad/current/regulations/info/attendance.aspx>.

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/honorcodes/honorcode.php>.

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 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
 - Training Programs
 - Community Provider Database
- *Career Resource Center, First Floor JWRU, 392-1601, www.crc.ufl.edu/*

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, www.dso.ufl.edu/drc/

Tree and Small Fruit Production

FRC 3274

August 24	Course description and expectations
August 26	Crop origin, classification, history and world distribution and production
August 28	Classification of buds, flowers, and fruits
August 31	Classification of fruits and fruit bearing habits – examples for tasting
Sept. 2	Visit teaching orchard
Sept. 4	Orchard site selection and preparation
Sept. 7	Labor Day – no class
Sept. 9	Field trip to UF-Plant Research and Education Center (date tentative)
Sept. 11	Dormancy types and their implications
Sept. 14	Satisfying dormancy, heat unit accumulation, plant hormones
Sept. 16	Plant hormones and plant growth regulators – use and importance
Sept. 18	Rootstocks – uses, examples
Sept. 21	Methods of fruit tree propagation
Sept. 23	Pollination and fruit set/review for Exam 1
Sept. 25	Exam 1
Sept. 28	Pruning and training

Sept. 30	Pruning (in the field)
October 2	Plant nutrition
October 5	Plant nutrition continued and fertilization programs
October 7	Irrigation types and scheduling
October 9	Freeze protection
October 12	Freeze protection continued, pome fruits
October 14	Pome fruits – apple
October 16	Apple continued, review for Exam 2
October 18	Exam 2
October 21	Pome fruits (pear, quince)
October 23	Stone fruits (peach, nectarine and plum).
October 25	Stone fruits (peach, nectarine and plum) continued
October 28	Stone fruits (cherry)
October 30	Persimmon
November 1	Blueberry
November 4	Blueberry continued
November 6	Homecoming – no class

November 9 Brambles

November 11 Veteran's Day (no class)

November 13 Brambles/strawberry

November 16 Strawberry

November 18 Viticulture

November 20 Pecan

November 23 Walnuts and other nut crops

November 25 Thanksgiving Holiday (no class)

November 27 Thanksgiving Holiday (no class)

November 30 Minor crops -loquat, figs, mayhaw, jujube, crabapples, mulberries,
pomegranate, feijoa

December 2 Minor crops -loquat, figs, mayhaw, jujube, crabapples, mulberries,
pomegranate, feijoa

December 4 Review

December 7 Exam 3