

Tree and Small Fruit Production FRC 3274

Instructor: Jeff Williamson, professor, 2113 Fifield, (352) 273-4823, jgrw@ufl.edu
Office hours immediately after class, or email for appointment.

Class Description: Current principles and cultural practices of temperate tree, bush, and vine fruit and nut 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.

Course objectives and goals: To provide students with principles and practices needed for commercial fruit production, including a basic understanding of plant physiology.

Tests: There will be three exams and several smaller quizzes during the semester.

Grading Criteria: The three exams and several pop quizzes will contribute 90% of the final grade. Tests will be mostly short answer and discussion type. Class attendance and participation will contribute the remaining 10%. For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Grading scale: The following scale will be used: 93 to 100 = A; 90 to 92 = A-; 87 to 89 = B+; 83 to 86 = B; 80 to 82 = B-; 77 to 79 = C+; 73 to 76 = C; 70 to 72 = C-; 67 to 69 = D+; 63 to 66 = D; 60 to 62 = D-; < 59.9 = E.

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:

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center. Click the following link to get started with the Disability resource Center <https://disability.ufl.edu/get-started/> It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

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August 23	Course description and expectations
August 25	Crop origin, classification, history and world distribution and production
August 27	Classification of buds, flowers, and fruits
August 30	Classification of fruits and fruit bearing habits
Sept 1	Visit teaching orchard
Sept. 3	Orchard site selection and preparation
Sept. 6	Labor Day – no class
Sept. 8	Dormancy types and their implications
Sept. 10	Satisfying dormancy, heat unit accumulation, plant hormones
Sept. 13	Plant hormones and plant growth regulators – use and importance
Sept. 15	Rootstocks – uses, examples
Sept. 17	Rootstocks/Methods of fruit tree propagation
Sept. 20	Budding in the teaching orchard Review for Exam 1
Sept. 22	Exam 1
Sept. 24	Pruning and training
Sept. 27	Visit teaching orchard Pruning/training in the field
Sept. 29	Plant nutrition

October 1 Plant nutrition continued and fertilization programs

October 4 Irrigation methods and irrigation scheduling

October 6 Importance of winter weather and freeze protection

October 8 Homecoming – no class

October 11 Freeze protection continued

October 13 Pome fruits – Apple

October 15 FBGA meeting – no class

October 18 Apple continued

October 20 Review for Exam 2

October 22 Exam 2

October 25 Pome fruits (pear, quince)

October 27 Stone fruits (peach, nectarine and plum).

October 29 Visit teaching orchard

November 1 Stone fruits continued, Persimmon

November 3 Blueberries

November 5 Blueberries continued

November 8 Visit teaching orchard (blueberries and brambles)

November 10 Brambles

November 12 Strawberries

November 15 Postharvest technology (Dr. Sargent)

November 17 Viticulture

November 19 Pruning grapes in the teaching orchard

November 22 Pecan

November 22 Pomegranates and Figs (Dr. Sarkhosh)

November 24 Thanksgiving Holiday – no class

November 26 Thanksgiving Holiday (no class)

November 29 Walnuts and Pistachio

December 1 Follow-up pruning and training in the teaching orchard

December 3 Review

December 6 Third Exam