

# HORT 3020 - Introduction to Fruit Crops

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Text: on the web at : <http://www.uga.edu/fruit> The textbook is currently in press, but it will not be available until March 2006.

Some helpful references have been placed on reserve at the Science Library:

1. Westwood, M.N. 1987. Temperate-zone Pomology
2. Morton, J.F. 1987. Fruits of Warm Climates
3. Jaynes, R.A. 1987. Nut Tree Culture in North America
4. Galleta, G.J., and D.G. Himelrick (eds). 1990. Small Fruit Crop Management

## Course objectives, learning outcomes, organization:

1. *Introduction to Fruit Crops* is designed to acquaint the student with the taxonomic classification, botanical characteristics, production trends, cultural practices, and nutritional value of the world's major fruit crops.

2. Emphasis is placed on the botanical characteristics and horticultural concepts related to fruit culture.

3. Upon successful completion of the course, students should be able to identify the world's major fruit crops, apply the fundamentals learned to home garden culture of fruits, make general, practical recommendations for growing fruit crops to others, and have an appreciation of commercial fruit production.

4. The course is organized by plant family to emphasize taxonomic relationships, but is divided into four sections based on crop type: 1) Temperate tree fruits, 2) Temperate small fruits, 3) Tree nuts, and 4) Major tropical & subtropical fruits. At the end of each section, there will be an exam - check the schedule for dates. Self-evaluation in the form of old test questions is available on the web site (click on "HORT 3020" from the main page then "old quiz questions"). The final at the end of the course is *not comprehensive* - it simply covers section 4.

## Grading:

Exams (100 points each)	400
Attendance	50
Term Project	<u>100</u>
Total course points —>	550

Exam format: Exams are designed to be completed in 50 minutes or less. They cover all crops and concepts covered within a section. You can expect a mix of multiple choice, true/false, and short answer questions comprising about 70-80% of the exam. There will be one or two questions of high point value (10-15 points each) requiring a more detailed

response or drawing.

Make-up exams: by appointment with the instructor; *only in cases of documented illness or conflicts*.

Attendance policy: Attendance is required since your education is heavily subsidized by the state and federal governments. Attendance will be taken at random by a variety of means - calling names, in-class writing assignments, or handing back assignments/exams.

There are a variety of reasons why it would be necessary to miss a class. For example - illness, job interview, death or serious illness in family, weddings, religious holidays other than those scheduled by UGA, field trips in other classes, etc. Students must notify the instructor **before class** when conflicts arise by phone or e-mail. In addition, students must provide documentation of the absence as soon as practicable. The instructor will evaluate the merit of contested absences on a case-by-case basis and inform you of the outcome. All students are responsible for the information covered during their absence **regardless of the reason**.

Term Projects: Each student will develop a detailed plan for a fruit farm. Most Fridays will be devoted to term projects, while Mondays and Wednesdays will focus on fruit crops and their characteristics. See the handout on term projects for details.

Academic Honesty Policy: All students will maintain the highest standards of academic integrity; refer to UGA's *A Culture of Honesty* for full details on this policy ([http://www.uga.edu/ovpi/academic\\_honesty/culture\\_honesty.htm](http://www.uga.edu/ovpi/academic_honesty/culture_honesty.htm)). A minimum sanction of "F" in the course plus a transcript notation will applied to any infraction.

## Lecture Schedule 2005

Date	Topic
<b>Section I - Temperate Tree Fruits</b>	
Jan 9	Course overview, terminology, the Rosaceae
11	Apple
13	Term Projects - Overview, site selection, type of operation
16	MLK day - NO CLASS
18	Apple
20	Term Projects - Farm layout, establishment
23	OUT OF TOWN - No Class
25	OUT OF TOWN - No Class
27	Term Projects - Rootstocks, propagation
30	Pear

FEB 1	Peach
3	Term Projects - Pruning and training
6	Plum & Apricot
8	Cherries
10	<b>EXAM I</b>
<b>Section II - Temperate Small Fruits</b>	
13	Grape
15	Grape
17	Term Projects - Farm equipment & calculations
20	Strawberry
22	Blackberry and Raspberry
24	Term Projects - Farm equipment calculations (con't)
27	Blueberry
MARCH 1	Cranberry
3	<b>EXAM II</b> Term Project appointments 10-12
<b>Section III - Tree Nuts</b>	
6	Pecan
8	Walnut
10	Term Project appointments 8-12
20	Hazelnut
22	Almond
24	Term Project appointments 8-9:30
27	Pistachio
29	Cashew
31	Term Project appointments 8-12
APRIL 3	Coconut
5	Minor nuts - Macadamia, chestnut, others
7	<b>Exam III</b> Term Project appointments 10-12
<b>Section III - Tropical &amp; Subtropical Fruits</b>	
10	Citrus & related fruits
12	Citrus
14	Mango

17	Banana and Plantain
19	African oil palm, Date
21	Olive
24	Pineapple
26	Papaya
28	Coffee
MAY 1	Exotic tropical fruits
<b>May 3</b>	<b>EXAM IV (8-11 am Wednesday final period)</b>