

BASIC FRUIT PRODUCTION HORTICULTURE 350

Instructor: Paul E. Read
377J Plant Science
472-5136
pread@unl.edu

Class Meetings

LECTURE: Room 272 Plant Science Tuesday & Thursday 12:30 - 1:45 pm

LABORATORY, RECITATION and DEMONSTRATION: Tuesday or Thursday 2:00 - 3:50 pm
Room 272 Plant Science

OBJECTIVES:

The objective of this course is to understand the science and technology involved in the culture of several small fruit and tree fruit crops within the limitations set by budget, season of year, and equipment. The laboratory period will be used to expose the student to some field applications of the science of fruit production. Laboratories will also be used for exams, quizzes, and recitation. A knowledge of botany and basic horticulture is assumed for this course.

TEXTBOOKS:

A concise Encyclopedia of Temperate Tree Fruits, T.A. Baugher & S. Singha, eds; Temperate Zine Pomology, M.N. Westwood. Readings will also be assigned.

GRADING:

Hour Exam	20%
Fruit paper and presentation	30%
Class and laboratory participation	10%
Final Exam (oral or written)	40%

**Written final exam is Friday, December 17th, 1:00 to 3:00 p.m. Scheduling of oral exams will be at a mutually agreed upon time.

You may choose to take the final exam as a conventional written exam or as an oral exam. Both exams will be comprehensive, covering the entire course.

FRUIT PAPER:

A paper in which the student describes a fruit crop of his/her choice is to be submitted to the instructor by November 1, 2004. The paper should consist of: Introduction, Nomenclature, Production (U.S. and global), Culture and Management, Pest Problems, Nutritional Value and your evaluation of current and future importance of this fruit crop. A list of resources used in preparing the paper should be included at the end of the paper. Such resources may include a few internet sources, but must also include literature citations from scientific and trade journals. Use HortScience reference style. Students will give a brief overview of the crop during Lab/Recitation.

Lastly, whether your interests lie in basic or applied research, teaching, or extension, fruit production is a challenging course as well as a career opportunity. Even if your career isn't in fruit production, many of you will grow some home fruits. This course will help your hobby to be a more interesting experience for you.

HORTICULTURE 350
Basic Fruit Production

Lecture 1:00 - 1:50 TR - Topics to be covered. Readings will be assigned in various reference materials.

Week of:	Lecture Topic:
August 23	Introduction to Fruit Production
August 30	Establishing the Fruit Planting; site selection and preparation
September 6	Management of Strawberries
September 13	Raspberries and other <u>Rubus</u>
September 20	Currants and other <u>Ribes</u>
September 27	Begin study of grapes
October 4	Management of Grapes
October 11	Continue Grapes
October 18	No class Tuesday; Exam Thursday
October 25	Tropical Fruits; Propagation
November 1	Tree Fruit Production
November 8	Flowering, Pollination, Fruit set and Thinning
November 15	Dwarf Fruit Trees, Pruning Fruit Trees
November 22	Culture of Tree Fruit No class Thursday
November 29	Marketing, Value Added, Sustainable Fruit Production
December 6	The Global "Fruit Basket" Last Week of Classes