

Syllabus  
OHO 131  
Principles of Horticulture  
Dr. Stephen Black

(4) I. Formerly AGR 131. Introduction to the major divisions of horticulture with emphasis on plant growth, reproduction, soil-water relationships, and uses.

- Texts: 1) Ornamental Horticulture: Principles & Practices  
Jack E. Engels. 3rd Edition
- 2) OHO 131 Notebook - Required. UBS Bookstore

Objectives:

To enable students to:

- 1) Gain an overview of the horticulture industry
- 2) Know plant structures and the processes involved in growth
- 3) Know the various methods of propagating plants

Evaluation:

Grades will be determined on a total point basis from quizzes, lecture exams, and a final exam.

Quizzes:	10-25 points each
Lecture Exams:	100 points each
Final Exam:	100 points

Grading Scale:

A = 90-100	B = 80-89	C = 70-79	D = 60-69
			F = below 60

Note: Students with grade average below a C will be notified at midsemester.

Attendance Policy:

Students are required to attend all scheduled class meetings. Students who have unexcused absences forfeit the right to make up quizzes and exams.

Course Outline

- I. Introduction to horticulture.
  - A. Major division of horticulture
  - B. Jobs in horticulture (Chapter 15 & 16)
- II. The green plant (Chapter 1)
  - A. Parts of a plant
  - B. The structure of plant parts

- C. Major plant processes
  - D. What plants need for growth
- III. Plant taxonomy (Chapters 1 & 3)
- Exam I Chapters 1, 3, 15 & 16
- IV. Plant reproduction (Chapters 5 & 14)
- A. Sexual reproduction
- Exam II Chapters 5 & 14
- B. Asexual reproduction
    - 1. cuttings
    - 2. layering
    - 3. division
    - 4. specialized stems and roots
    - 5. budding and grafting
    - 6. tissue culture
- Exam III Chapters 5 & 14
- V. Propagation and growing media (Chapters 2 & 20)
- A. Soil
  - B. Soil pasteurization
  - C. Soilless media
  - D. Containers
  - E. Spacing and labeling a crop
  - F. Watering
  - G. Fertilizing
  - H. Soil tests
- VI. Greenhouses and other growing structures (Chapter 14 & 19)
- Exam IV Chapters 2, 14, 19 & 20
- VII. Landscaping
- A. The landscape industry (Chapter 17)
  - B. Landscape design (Chapter 9)
  - C. Installing landscape plants (Chapter 10)
  - D. Maintaining landscape plants (Chapter 11)
  - E. Special training techniques for plants (Chapter 12)

#### DEPARTMENT ATTENDANCE POLICY

Students in Agriculture/Horticulture classes are required to attend all scheduled class meetings. If students have a legitimate reason to be absent (personal illness, critical illness, death in their immediate family or participation in an approved University activity) they are expected to discuss it with the instructor prior to the anticipated absence and make arrangements for any make-up work that must be done. Completion of make-up work is the responsibility of the student. The instructor will judge the validity of the reason for an absence.

In case of an emergency of such nature that the above requirements cannot be met, the student should inform the instructor at the first opportunity after the student's return to the campus and should present adequate and documented reasons. Absences in excess of 20 percent of a class

will automatically result in a failing grade unless this is waived by the instructor and department chair.

Students who have unexcused absences forfeit the right to do make-up work especially quizzes, exams and laboratories given that day.

Enforcement of this policy is the responsibility of the instructor. Unexcused absences may be used as a factor in determining a grade for the course.

#### DISABILITY STATEMENT

If there is any student in this class who is in need of academic accommodations and who is registered with the Office of Services for Students with Disabilities, please make an individual appointment with the course instructor to discuss accommodations. Upon individual request, this syllabus can be made available in alternative forms. If any student who is not registered with the Office of Services for Students with Disabilities has need of academic accommodations, please contact the Office directly either in person at Room 361 of Student Services Building or by telephone at 622-1500.

FINAL EXAM - Wednesday, December 15, 8-10 a.m.

**Last Day To Drop Course:** October 19, 2004