

Title of Course: Ornamental Plants II

Proposed 10/98

I. Catalog Description and Credit Hours of Course:

The identification, nomenclature, classification, cultural requirements and landscape uses of ornamental trees, shrubs, vines, and herbaceous plants. An extension of HO 130 Ornamental Plants I. Two two-hour laboratories each week. Spring semesters. (2).

II. Prerequisites: HO 130 Ornamental Plants I

III. Objectives of the Course:

- A. To identify by sight the major trees, shrubs, vines, and herbaceous plants used in Southeast Missouri landscape scenes.
- B. To become familiar with the nomenclature of ornamental plants.
- C. To become familiar with cultural requirements of selected landscape plants and their importance and use in the landscape scene design.
- D. To develop an understanding of the basic methods involved in the identification of unknown plant specimens.

IV. Expectations of Students:

- A. Students will be required to learn by sight 150 to 175 of the most common plants found in landscape in addition to the 100 to 125 they learned in HO 130 Ornamental Plants I.
- B. Scientific and common names for each plant will be required.
- C. Identification of unknown specimens using keys and other resources.
- D. Active participation in classroom and laboratory discussions.

V. Course Outline:

- A. Identification by sight and nomenclature of 150 to 175 different species or cultivars of plants desirable for use in landscape plantings. Factors affecting the selection of each of these as follows (29 lab periods):
 - 1. Plant hardiness
 - 2. Native vs. introduced plants
 - 3. Annuals vs. perennial
 - 4. Plant soil preference
 - 5. Types of root systems
 - 6. Exposure
 - 7. Growth habits
 - 8. Texture
 - 9. Cleanliness
 - 10. Pruning tolerance
 - 11. Susceptibility to pests
- B. Practice in keying unknown plant specimens (0.5 lab periods)

- C. Landscape uses of plants -- ground covers, mass plantings, specimens, espaliered plantings, etc. (0.5 lab periods)

VI. Textbook and Reference Materials:

- A. Text: Bridwell, Ferrell M. 1994. Landscape Plants.
- B. References:
 - 1. Experiment Station and extension bulletins and circulars from the University of Missouri and other Land Grant Universities.
 - 2. Trees for American Gardens, by Donald Wyman.
 - 3. Shrubs for American Gardens, by Donald Wyman.

VII. Basis of student evaluation:

- A. Plant identification tests 80%
- B. Tests on factors affecting the selection of plants for the landscape and landscape use of plants 10%
- C. Notebook of plant samples 10%