

Course Objectives/Course Outline
Spokane Community College

Course Title: Fall Landscape Plant Materials

Prefix and Course Number: AGHRT 110

Course Learning Outcomes:

By the end of this course, a student should be able to:

- identify the types of annual and perennial ornamental plants according to individual plant characteristics
- apply appropriate methods of care to ensure maximum growth
- determine the appropriate method of propagation for a variety of plant types
- identify pest/diseases and determine the appropriate method of control

Course Outline:

- I. Woody Plant Morphology
 - A. Leaf, Stem, and Bud
 - B. Flowers and Fruit
 - C. Tree Parts
- II. Plant Nomenclature
 - A. Parts of the Scientific Name
 - B. Concept of a Species
 - C. Name Changes
- III. Identification of Unknown Plants
 - A. References
 - B. Manuals and Floras
- IV. Criteria for Selection of Landscape Plants
 - A. Biological
 - B. Use
 - C. Economic
 - D. Appearance
- V. Development of Fall Color
 - A. Plants Species Which Develop Fall Color
 - B. Mechanisms of Development
- VI. Plant Hardiness
 - A. Types of Damage
 - B. Acclimation
 - C. Interspecific and Intraspecific Differences
 - D. Selection of Plants Based on Cold Hardiness
 - E. Plant Hardiness Zones (USDA and Sunset)
 - F. Microclimates
- VII. Plant Uses and Cultural Information
 - A. Woody Trees, Shrubs, and Vines (important fall color)
 - B. Fall Blooming Bulbs
 - C. Important Bedding Plants (annuals and some perennials)
 - D. Cultural Requirements (water, light, temperature, and soil)
 - E. Pruning Suggestions
 - F. Identification Characteristics
 - G. Important Cultivars and Related Species
 - H. Family Names
 - I. Insect and Disease Problems