

# Virginia Western Community College

## HRT 201

### Landscape Plant Materials I

#### **Prerequisites**

None.

#### **Course Description**

Studies landscape use of plants. Considers ornamental value, growth habit, identification, and limitations. Part I of II.

**Semester Credits: 3 Lecture Hours: 2 Lab/Clinical/Internship Hours: 2**

#### **Required Materials**

##### **Textbook:**

Manual of Woody Landscape Plants. Sixth Edition. ISBN: 1-58874-868-5.

##### **Other Required Materials:**

Hortiscopia Plant Database through VMware Horizon login. Instructor will provide login information.

#### **Course Outcomes**

**At the completion of this course, the student should be able to:**

- Understand classification and nomenclature of plants
- Understand plant morphology
- Read and understand the USDA Plant Hardiness Zone Map
- Identify 160 designated trees and shrubs (deciduous and evergreen) using common names and botanical names
- Characterize these trees and shrubs using physical qualities such as size, cold hardiness and seasonal interest
- Describe the cultural requirements (soil and light conditions) for these trees and shrubs
- List the uses and limitations of these trees and shrubs
- Use a plant key to identify unknown plants

#### **Topical Description**

- I. Introduction
  - A. Plant Nomenclature
  - B. Plant Morphology
  - C. Plant Key

- II. Selected Woody Landscaping Plants (Deciduous)
  - A. Identification (Common and Botanical Names)
  - B. Size
  - C. Hardiness
  - D. Seasonal Interest
  - E. Culture
  - F. Landscape Value
  
- III. Selected Woody Landscaping Plants (Evergreen)
  - A. Identification (Common and Botanical Names)
  - B. Size
  - C. Hardiness
  - D. Seasonal Interest
  - E. Culture
  - F. Landscape Value

### **Notes to Instructors**

- Weekly plant identification quizzes.
- Minimum of 10 plants discussed each week.
- Provide students with opportunities to view actual plants in the landscape for identification purposes.
- Plant samples (cuttings) may be maintained in the N102 lab for students to study between class meetings.
- References may be made to the color and textures of plants for use in landscape design.
- Hortiopia should be utilized to facilitate learning during periods of inclement weather, during the need for online teaching, and for research projects. Hortiopia is housed on campus via VMware horizon.
- Projects and field trips involving identification of plants in landscape settings on and off campus may improve the student's understanding of the wide range of ornamental plant materials that are available in the horticulture industry.
  - A field trip form must be completed for the entire semester to allow off campus visits to the neighborhoods surrounding campus.
  - Individual Field Trip forms must be completed for trips requiring travel away from campus.