Syllabus

BIO 151 Plant Materials

General Information

Date
June 14th, 2018

Department
Environmental Conservation and Horticulture

Course Prefix
BIO

Course Number
151

Course Title
Plant Materials

Dual Listing (also listed as):
HRT 151

Course Information

Credit Hours
3

Lecture Contact Hours
2

Lab Contact Hours
2

Other Contact Hours

Catalog Description
An introduction to the identification, selection, adaptation, and utilization of common ornamental and native plants in New York State. Landscape value and wildlife usage of plants will be discussed where appropriate. The student will gain identification proficiency in association with knowledge of plant patterns and environmental planning through lecture, demonstration and field work. Field trips to Canandaigua area plant viewing locations are included.

Key Assessment
This course does not contain a Key Assessment for any programs

Prerequisites
None

Co-requisites

June 25th, 2018 9:16 am
None

Grading Scheme
Letter

First Year Experience/Capstone Designation

This course DOES NOT satisfy the outcomes applicable for status as a FYE or Capstone.

SUNY General Education

This course is designated as satisfying a requirement in the following SUNY Gen Ed category
None

FLCC Values

Institutional Learning Outcomes Addressed by the Course

Vitality
Inquiry
Perseverance
Interconnectedness

Course Learning Outcomes

Course Learning Outcomes

1. Define and give examples for terms as they relate to deciduous and evergreen woody plant materials and herbaceous plant materials.

2. Identify plants using classification criteria (e.g. seasonal characteristics, cultural needs, and landscape uses).

3. Apply an identification scheme (e.g. health, branch arrangement, fruit and bark type) to differentiate plants with similar characteristics.

4. Recommend plant material based on a variety of aesthetic needs and observed cultural conditions.

Outline of Topics Covered

1. Introduction
   a. The Binomial System of Nomenclature for plants
   b. Monocots and dicots
   c. The differences between annual, biennial, perennial plants
   d. Calculations of garden area and quantities of plants required
2. Deciduous Woody Plants
   a. Twig morphology
   b. Leaf morphology
   c. Oppositely branched ornamental tree species
   d. Alternately branched ornamental tree species
   e. Ornamental deciduous shrub species

3. Coniferous Woody Plants
   a. Coniferous branch & bark morphology
   b. Cone morphology
   c. Coniferous ornamental woody tree species
   d. Ornamental coniferous and broadleaf shrub species

4. Herbaceous Plants
   a. Sun perennials
   b. Shade perennials
   c. Groundcover perennials
   d. Annuals