# 2. General Information

<table>
<thead>
<tr>
<th>Date</th>
<th>11/07/2016</th>
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<tbody>
<tr>
<td>Department</td>
<td>Environmental Conservation &amp; Horticulture</td>
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<tr>
<td>Course Prefix:</td>
<td>HRT/BIO</td>
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<tr>
<td>Course Number:</td>
<td>151</td>
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<tr>
<td>Course Title:</td>
<td>Plant Materials</td>
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# 3. Course Information

<table>
<thead>
<tr>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Lecture Contact Hours</td>
<td>2</td>
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<tr>
<td>Laboratory Contact Hours</td>
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**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.

**New Analysis Question**

**Prerequisites**

**Co-requisites**

**Grading Scheme**

Letter Grade
This course can be taken more than once for credit

This course is designated as satisfying a requirement in the following SUNY Gen Ed category

First Year Experience

Capstone

4. FLCC Values

College Learning Outcomes Addressed by the Course

Inquiry
Interconnectedness
Vitality
Perseverance

5. Course Learning Outcomes

Course Learning Outcomes

1. Define and give examples for relevant botanical terms as they relate to deciduous and evergreen woody 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.

6. Program Affiliation

This course is required as a core program course in the following program(s)

AAS Horticulture
Horticulture Certificate

8. Outline of Topics Covered

Outline of Topics Covered in Course

New Analysis Question

Outline of Topics Covered

I. 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
II. 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

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

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