

**Course Title & Number:** HRT 224 | Plant Propagation & Hybridization

**Competency Area:** **CRITICAL ANALYSIS AND LOGICAL THINKING** (Goal: Students will be able to organize, interpret, and evaluate evidence and ideas within and across disciplines; draw reasoned inferences and defensible conclusions; and solve problems and make decisions based on analytical processes.)

**Faculty submitting the Learning Outcomes:** Christopher Tuccio

**Date:** 5/22/13

**[Instructions:** *Please match the Learning Outcomes in the left hand column to those of the course you are submitting for Gen Ed approval. List the corresponding course outcomes in the right hand column to indicate a match.***]**

BOR TAP's Learning Outcomes	Corresponding Outcomes for Course Named Above
1. Identifying arguments: Identify issues, evidence and reasoning processes; distinguish facts from opinion; recognize various types of arguments	<ul style="list-style-type: none"><li>• Identify and utilize the scientific principles and hands on techniques involved with both sexual and asexual plant propagation.</li><li>• Apply the practical skills necessary to successfully propagate plants by seeds, division, layering, cuttings, grafting and tissue culture/micropropagation.</li></ul>
2. Formulating arguments: Formulate good arguments, including a significant focus on inductive reasoning.	<ul style="list-style-type: none"><li>• Develop, interpret, and describe the results of laboratory information in scientific manner utilizing the scientific terminology of plant propagation.</li></ul>
3. Analysis: Break subject matter into components and identify their interrelations to ascertain the defining features of the work and their contributions to the whole.	<ul style="list-style-type: none"><li>• Resolve problems necessary for successful plant propagation through the completion of lab assignments.</li></ul>
4. Evaluation: Identify assumptions, assessing the quality and reliability of sources of evidence, and demonstrating knowledge of the criteria	<ul style="list-style-type: none"><li>• Identify and utilize the scientific principles and hands on techniques involved with both sexual and asexual plant propagation.</li></ul>

for evaluating the success of each kind of inference.	<ul style="list-style-type: none"> <li>• Resolve problems necessary for successful plant propagation through the completion of lab assignments.</li> </ul>
5. Synthesis: Draw together disparate claims into a coherent whole in order to arrive at well-reasoned and well-supported inferences that can be justified as a conclusion.	<ul style="list-style-type: none"> <li>• Develop, interpret, and describe the results of laboratory information in scientific manner utilizing the scientific terminology of plant propagation.</li> </ul>
	<p><b><i>Additional Outcomes</i></b></p> <ul style="list-style-type: none"> <li>• Describe the history of plant propagation</li> </ul>