

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

**ACADEMIC AFFAIRS**

Course Number: LAND 120 Department: Landscape Technology

Course Title: Principles of Horticulture Semester: Spring Year: 1997

**Objectives/Competencies**

<b>Course Objective</b>	<b>Competencies</b>
1. Develop an understanding of the origins and complexity of the field.	1. Explain in outline form the important historical trends within the field. 2. Identify three career opportunities. 3. Show how the horticulture industry serves society.
2. Learn to identify plant parts.	1. Name the parts of a plant. 2. Explain how they work. 3. Explain the difference between a monocot and a dicot plant.
3. Develop plant identification and classification skills.	1. Explain the difference between common and botanical naming of plants. 2. Give origin of the botanical naming system. 3. Identify a sample plant using a botanical key.
4. Learn to apply the principles of plant growth factors to various plant parts.	1. List the major inorganic components of soil. 2. Explain the importance of organic matter in a growing soil.

Course Objective	Competencies
<p>5. Develop plant growth control skills.</p> <p>6. Familiarize the student with career opportunities in the fields.</p>	<ol style="list-style-type: none"> <li>3. List the major growth control factors.</li> <li>4. Complete a soil pH test and explain its results.</li> <li>5. Demonstrate the use of a plant light (footcandle) meter.</li> </ol> <ol style="list-style-type: none"> <li>1. Demonstrate the proper way to prune a house plant.</li> <li>2. Demonstrate the proper way to sow seeds.</li> <li>3. List five greenhouse pests.</li> <li>4. Explain how two of them affect the growth of greenhouse plants.</li> <li>5. Demonstrate the proper way to water greenhouse plants.</li> </ol> <ol style="list-style-type: none"> <li>1. Demonstrate through participation in the annual holiday open greenhouse event an understanding of holiday retail sales.</li> <li>2. Demonstrate through participation in the Department's annual field trip to area grower.</li> </ol>