

**Description:**

The Greenhouse Skills program provides knowledge of the essentials for employment in the retail nursery industry. Emphasis is placed on practical application of skills and techniques learned. Students will study plant reproduction, soils, fertilizers, plant identification, landscaping, and pruning. This course gives students experience in diagnosing and treating specific conditions of plants.

**Performance Objectives:**

Upon completion of the Greenhouse Skills program, the student will be able to:

1. \_\_\_\_\_ Complete the nursery records necessary for commercial nursery plant propagation.
2. \_\_\_\_\_ Develop plant identification skills suitable for employment in a commercial nursery.
3. \_\_\_\_\_ Read and interpret fertilizer and water needs for commercial plant production.
4. \_\_\_\_\_ Maintain records necessary to demonstrate a profit margin of at least 20% as to sales and production costs.
5. \_\_\_\_\_ Run Ph tests, nutrient tests and water tests with 100% accuracy.
6. \_\_\_\_\_ Demonstrate application of techniques of potting, staking, tying, pruning, watering, and insecticide usage.
7. \_\_\_\_\_ Plant reproduction by seeding, budding, grafting, and layering and maintaining inventory control as demonstrated by a profit of at least 20% on the marketed nursery production.
8. \_\_\_\_\_ Develop landscape designs suitable for residential and commercial property.
9. \_\_\_\_\_ Maintenance of records on growth and plant propagation.
10. \_\_\_\_\_ Complete records of all sales, and cost record, including water usage.
11. \_\_\_\_\_ The use of proper greenhouse maintenance including effective sprinkler operation and maintenance.
12. \_\_\_\_\_ Complete a job application and demonstrate employability skills.

*NOTE: The student has satisfactorily completed the performance objectives initialed by the instructor.*