



## **Course Description**

### **ORH1251 | Nursery Practices 1 | 3.00 credits**

The student will learn the techniques and practices in commercial production of ornamental plants. Emphasis will be placed on types of nurseries. Prerequisite: HOS1010, A.S. degree only

### **Course Competencies:**

**Competency 1:** The student will select, operate, and maintain tools and equipment by:

1. Determining the tools needed for a given job
2. Identifying methods for cleaning and maintaining selected tools and equipment
3. Identifying proper safety procedures for selected tools and equipment

### **Learning Outcomes:**

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Demonstrate an appreciation for aesthetics and creative activities

**Competency 2:** The student will select, prune, and shape plants by:

1. Identifying the different tree grades
2. Pruning plants to achieve desired growth and for proper maintenance
3. Developing a pruning program and schedule
4. Understanding how to and the reasons for pruning plants

### **Learning Outcomes:**

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Demonstrate an appreciation for aesthetics and creative activities

**Competency 3:** The student will grow, maintain, and propagate plants by:

1. Identifying different media components and the advantages and disadvantages of each component
2. Mixing, rooting, and growing media according to specific plant requirements
3. Demonstrating propagation by grafting, budding, layering, separating, dividing, and cutting
4. Demonstrating sanitation and safety practices when propagating and growing plants in a nursery
5. Supervising procedures for protecting plants and equipment from adverse weather
6. Controlling propagation facilities and environment, including irrigation, temperature, and light
7. Creating and implementing fertilizer schedules for particular nursery crops

### **Learning Outcomes:**

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Demonstrate an appreciation for aesthetics and creative activities