

# HORTICULTURAL SCI LEC/LAB (HOSC)

---

**HOSC 2005 Principles of Hydroponics****Credit Hours:** 3**Prerequisites:** BOTC 1010 with a grade of "C" or higher**Lab Fee:** Yes

This course is an overview of the different types of hydroponic systems, nutrients, and applications. Topics will include types of media, irrigation, nutrients, pest and disease management, history, production, and advantages and disadvantages of the different types of systems.

**HOSC 2010 Horticulture 1****Credit Hours:** 3**Lab Fee:** Yes

Instructor recommends taking BOTC 1010 (General Botany) with a grade of "C" or higher prior to this course. This course is a study of plant science fundamentals and their relationship to anthropogenic plant production. Topics include plant growth and development, reproduction, photosynthesis, respiration, nutrition, structure, classification, origin, propagation, influence of climate, and influence of geographic location.

**HOSC 2011 Horticulture 2****Credit Hours:** 3**Prerequisites:** HOSC 2010 with a grade of "C" or higher**Lab Fee:** Yes

This course is an overview and application of the maintenance and management aspects of the horticultural business including nursery facilities, greenhouse management, and landscape maintenance and design. The course will include important topics such as irrigation systems, plant growing facilities, plant propagation equipment, and landscape maintenance equipment.