

Course Objectives/Course Outline
Spokane Community College

Course Title: Greenhouse and Nursery Management II

Prefix and Course Number: AGHRT 107

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Design forcing schedules for several floriculture crops.
- Produce sexually propagated annual and perennial plants.
- Operate commercial seeding equipment.
- Produce asexually propagated plants using cuttings, layering, and grafting.
- Describe the different greenhouse operations and be able to select appropriate materials for construction of a greenhouse.
- Find/Research information on current trends of greenhouse construction.

Course Outline

- I Scheduling and Production of Greenhouse Crops
 - A General
 - B Easter Lilies
 - C Asiatic and Oriental Lilies
 - D Spring Bulbs
 - E Hydrangeas
 - F Primula
 - G Annuals
 - H Perennials
- II Plant Propagation
 - A Sexual
 - 1 Seeding of Bedding Plants
 - 2 Seed Physiology
 - 3 Germination Requirements
 - 4 Germination Facilities
 - B Asexual
 - 1 Leaf and Stem Cuttings
 - 2 Layering
 - 3 Grafting
 - 4 Rooting Hormones
- III Greenhouse Operations
 - A Site Selection
 - B Greenhouse Types
 - C Greenhouse Coverings
 - D Heating System
 - E Cooling System
 - F Benching
- IV Winter Nursery Operation
 - A Transplanting of Bare Root Plants