

Print Date: 7/10/14
Course Objectives/Course Outline
Spokane Community College

Course Title: Greenhouse and Nursery Management I

Prefix and Course Number: AGHRT 106

Course Learning Outcomes:

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

- Design forcing schedules for several floriculture crops.
- Explain how and why the environmental factors affect plant growth and development.
- Manipulate the greenhouse environment to control plant growth and development.
- Differentiate between various fertilizers.
- Analyze water and media test results and select the appropriate nutrient regime.
- Calculate and apply growth regulating chemicals.

Course Outline

- I Scheduling and Production of Greenhouse Crops
 - A General
 - B Poinsettias
 - C Kalanchoes
 - D Chrysanthemums
- II Plant Physiology
 - A Temperature
 - B Light
 - C Water
 - D Media
 - E Nutrition
 - 1 Macro and Micro Nutrients
 - 2 Fertilizers
 - 3 Calibrating Injectors
 - F Plant Growth Regulation
- III Greenhouse Testing
 - A Media Testing
 - B Tissue Testing
 - C Water Testing
 - D pH Testing
- IV Fall Propagation
 - A Division of perennials
 - B Seeding of Woody Plants
 - C Cuttings
- V Fall Nursery Operation
 - A Cutting Back as Needed
 - B Preparing Beds for Winter