

COURSE OUTLINE**Revision:** Sarah Skamser, March 2011

DEPARTMENT:	Hospitality and Service Occupations
CURRICULUM:	Landscape Horticulture
COURSE TITLE:	Advanced Plant Propagation
COURSE NUMBER:	LHO 217
TYPE OF COURSE:	Professional Technical
COURSE LENGTH:	1 Quarter
CREDIT HOURS:	3
LECTURE HOURS:	22
LAB HOURS:	22
CLASS SIZE:	25
PREREQUISITES:	LHO 215 or instructor's permission

Course Description:

Explore propagation and plant production. Follow plant materials propagated in LHO 215. Production and ongoing management of specific species and quantities for sale in the garden center.

Student Learning Outcomes Addressed:

1. Critical Thinking and Problem Solving – Think critically in evaluating growth and development of propagation material (propagules). Continually assess and solve any problems that arise.
2. Technology – Research new and assess current use of tools for propagation work.
3. Personal Responsibility – Be motivated and able to continue learning and adapt to changes as encountered. Take pride in one's own skills, abilities and ideas.
4. Technology – Learn to work with environmental controls for propagation of plant material.
5. Information Literacy – Access propagation methods and systems, and evaluate information from a variety of sources. Continual research is critical in plant propagation.

**LHO 217 Plant Propagation Workshop
March 2011**

General Course Objectives:

At the end of the course the student will be able to:

1. Understand how to research propagation and growth for a given plant species.
2. Implement methods of plant propagation and maintenance for production of plant materials for sale.
3. Understand the proper procedures to monitor and modify the propagation environment as needed.
4. Implement problem solving.
5. Figure product cost and establish pricing.
6. Understand record keeping in relation to plant production and maintenance.
7. Practice safety techniques and sanitation practices in the handling of tools, equipment and facilities.

Topical Outline:

	<u>Approx. Hours</u>
I. Development of production needs	4
II. Research of species propagation methods	4
III. Planning production schedule	6
IV. Planning of and production management	4
V. Implementation of propagation for production	12
VI. Tracking and record keeping	6
VII. Cost tracking and establishment of prices for sale	4
VIII. Final records, report and evaluation of production	4
Total	44

Revised by: Sarah Skamser

Date: March 2011