

**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
HRT 115 - PLANT PROPAGATION (3 CR.)**

Course Description

Teaches principles and practices of plant propagation. Examines commercial and home practices. Provides experience in techniques using seeds, spores, cuttings, grafting, budding, layering and division. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

General Course Purpose

This course provides students with opportunities to study the theory and applied practice of propagation of plants widely grown in commerce today. Students will gain hands-on experience in plant propagation in the laboratory.

Course Prerequisites/Co-requisites

Functional literacy in the English language

Course Objectives

Upon completion of the course students should be able to:

- Compare and contrast fundamental theories and practices of plant propagation.
- Successfully and safely perform the manipulative skills practiced in commercial propagation such as grafting, budding and the like.
- Identify those publications, technical journals and other related sources of information to be used in solving problems affecting plant propagation.
- Identify the environmental control equipment and related structures necessary to maximize propagation success.
- Describe career opportunities that require knowledge and skills in plant propagation.

Major Topics to be Covered

- a. Propagation of plants by seeds and spores
- b. Propagation of plants by asexual methods
- c. Propagating structures, media, soil mixes, containers, tools and equipment
- d. Sanitation practices
- e. Techniques of propagation by cuttings
- f. Techniques of budding
- g. Techniques of grafting
- h. Techniques of layering
- i. Techniques of specialized methods of propagation
- j. Careers involving plant propagation