

**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
HRT 259 – ARBORICULTURE (3 CR.)**

Course Description

Studies the techniques of tree care. Covers surgery, pruning, insect and disease recognition and control, fertilization, cabling, and lightning rod installation. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

General Course Purpose

Introduces students to arboriculture careers and as partial preparation for the ISA Arborist Certification Exam

Course Prerequisites/Corequisites

None

Course Objectives

- Familiarize students with principles and concepts of arboriculture
- Expose students to career opportunities in arboriculture
- Care and identification of tools used in arboriculture

Major Topics to be Included

- a. Careers and the arboriculture professions
- b. Benefits of trees as sustainable agriculture
- c. Tree morphology, physiology and biology
- d. Tree identification, selection and planting
- e. Tree pruning and maintenance
- f. Urban tree environment
- g. Tree preservation
- h. Tree disorder diagnosis and plant health care
- i. Tree hazard management
- j. Arborist safety and tree climbing