

**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
HRT 244 - COMPUTER AIDED DRAFTING AND DESIGN (CADD)
FOR LANDSCAPE DESIGNERS (3 CR.)**

Course Description

Provides instruction in the use of computer-aided drafting and design software for developing landscape plans and supporting information for drawings such as dimensions and area calculations. Lecture 3 hours per week.

General Course Purpose

The purpose of a CADD class specifically for Landscape Designers is to provide the student with the necessary exposure of CADD software relative to the work environment. Students will learn operations necessary for creating 2-dimensional drawings with CADD. Students will learn the costs and benefits of using CADD software as compared to traditional pen and paper methods in creating landscape drawings. All the above skills are a part of the interface with Architects Engineers and Landscape Architects the student will encounter when entering into the profession.

Course Prerequisites/Corequisites

Prerequisite: HRT 231.

Prerequisite or Corequisite: HRT 232. Students must be able to produce basic drawings and have an understanding of the site.

Course Objectives

Upon completion of this course students should be able to:

- Prepare a landscape plan view drawing,
- Prepare a perspective drawing,
- Draw details to permit understanding of the design by contractors,
- Prepare necessary supporting materials

Major Topics to be Included

- a. Creation of 2-dimensional plan view
- b. Draw, display and edit commands as related to 2-dimensional CADD
- c. Develop elevations and perspectives
- d. Cost and benefits of using CADD
- e. Develop supporting information for drawings
- f. Print and Plot
- g. Hidden Lines and layers