

**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY  
CAD 260 - COMPUTER APPLICATIONS FOR SURVEYORS AND TECHNICIANS (3 CR.)**

**Course Description**

Studies and evaluates numerous COGO software and their associated drafting packages. Includes calculations and drafting of traverse adjustment, subdivision, and curves. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

**General Course Purpose**

To familiarize the student with different applications of the computer as a tool in surveying and site analysis in order to improve accuracy, compile data which will interface with other pertinent software, and reduce expended time to provide a set of working drawings.

**Course Prerequisites/Co-requisites**

Competence in basic manual technical drafting as well as successful completion of the beginning CAD course. Prerequisite for this course is CAD 201 - "Computer Aided Drafting and Design I" or equivalent.

**Course Objectives**

Upon completion of this course, the student will:

- learn the different ways of utilizing computer in land development
- use CAD proficiently to calculate and draw traverse adjustment, subdivision and curves
- be familiar with the operation of Auto-Desk Land Development Desktop
- learn to study vehicular and pedestrian circulation as well as providing solutions

**Major Topics to be Included**

- a. General Auto-Cad principles
- b. Navigation around the Land development Desktop software
- c. Standards for surveying and site analysis
- d. Drainage and utilities