Course Prefix and Number: DRF 231  
Credits: 3

Course Title: Computer-Aided Drafting I

Course Description: Teaches computer-aided drafting concepts and equipment. Develops a general understanding of components and operating a typical CAD system. Prerequisite: DRF 111 is recommended for individuals with no experience in technical drawing prior to enrolling in DRF 231. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

General Course Purpose: Introduction to the fundamentals of 2D computer-assisted design

Course Prerequisites and Co-requisites:  
Prerequisite: DRF 111 is recommended for students who have no previous technical drawing experience

Course Objectives:  
Upon completing the course, the student will be able to  
a. Demonstrate competency in the use of AutoCAD;  
b. Identify and understand the function of each component in a typical CAD workstation; and  
c. Identify related terminology.

Major Topics to Be Included:  
a. Computer concepts  
b. AutoCAD workstation and basics  
c. Draw and edit commands  
d. OSNAP review  
e. Layers  
f. Display options  
g. Plotting

Effective Date of Course Content Summary: August, 2008