

**J. Sargeant Reynolds Community College  
Course Content Summary**

**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. 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/Corequisites** (Entry-level competencies **required** for enrollment)

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
- 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