Wayne County Community College District

COURSE SYLLABUS

CNC 230   CNC Design I

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:
In this class students will learn the basics of 2D drawing creation utilizing state-of-the-art computer graphics systems and software leading to a broad understanding of the tools and techniques necessary to accurately design parts in a modern manufacturing environment.

PREREQUISITES: CNC 122

COREQUISITES: CNC 231

EXPECTED COMPETENCIES:
Upon successful completion of the course, the student will:
- Navigate user interface
- Establish screen settings (snap, grid, line font and color)
- Demonstrate file management proficiency (open, close and save files)
- Set work plane and change work views
- Create 2D geometric shapes, lines, arcs, points, circles and ellipses

ASSESSMENT METHODS:
Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:
90%-100%   = A
80%-89.9%   = B
70%-79.9%   = C
60%-69.9%   = D
<60%   = E