



Wayne County Community College District

COURSE SYLLABUS

CAD 102 Advanced Computer Aided Drafting

CREDIT HOURS: 4.00

CONTACT HOURS: 60.00

COURSE DESCRIPTION:

An advanced computer aided drafting course that focuses on developing those competencies necessary to produce exacting and precise detail 3-D engineering drawings. The course included three-dimensional data base manipulation and is enhanced with menu creation and advanced editing. Auto CAD software will be used in this class.

PREREQUISITES: CAD 101

EXPECTED COMPETENCIES:

Upon completion of this course, the student will be familiar with:

- Create and document a 3-D assembly model
- Use advanced modeling techniques with transitions between parts and improved productivity in creating models
- Create iMates and edit dimension displays, place iParts, iAssemblies, and iFeatures
- Apply advanced assembly modeling techniques involving the creation of various assembly tools
- Create sheet metal parts, modify parts, create flat patterns, and drawing views of sheet metal parts with Inventor.

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