Course Syllabus
Wayne County Community College District
CAD 211  Die Design and Panel Tipping

CREDIT HOURS:  4.00

CONTACT HOURS:  90.00

COURSE DESCRIPTION:
Die design methods used for cutting dies. Use of standard components for dies employing
standard die sets, punches, retainers, springs, and stripper bolts.

PREREQUISITES: CAD 102 or CAD 222; Lab fee.

EXPECTED COMPETENCIES:
Upon successful completion of this course, the student will:

- Identify the major steps of the sheet metal forming process
- List the four basic functions of a die
- Identify the elements of a mechanical stamping press
- Describe the operations of sheet metal stamping press
- Describe how a transfer press works
- Identify die types
- Recognize the advantages and disadvantages of certain die configurations
- Identify components of dies and their function

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

GRADING SCALE:
A  = 94% to 100%
B  = 87% to 93%
C  = 80% to 86%
D  = 73% to 79%
E  = less than 72%