



Wayne County Community College District

COURSE SYLLABUS

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

- 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 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