



Wayne County Community College District

COURSE SYLLABUS

CAD 121 Tool and Fixture Detailing

CREDIT HOURS: 4.00

CONTACT HOURS: 90.00

COURSE DESCRIPTION:

Study of the systems used in preparing detail drawings of assemblies. Includes detailing of blocks, pins, turned details, elements and castings.

PREREQUISITES: CAD 102 or CAD 222

EXPECTED COMPETENCIES:

Upon successful completion of this course, the student will:

1. Understand basic engineering design modeling methodologies.
2. Use standard methods to eliminate errors that result in design failures.
3. Describe the task and operation of the product.
4. Develop a complete strategy for the detail and layout of the product.
5. Use computer graphics tools to visualize and analyze all components of the product.

Establish relationships between engineering design principles and manufacturing requirements

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