Wayne County Community College District

COURSE SYLLABUS

PDP 100   Introduction to Rapid Prototyping

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:
This course introduces students to the fundamental principles of rapid prototyping including materials, processes and equipment consideration. Emphasis will be placed on part preparation and file format types as well as basic components and maintenance of modern rapid prototyping equipment.

PREREQUISITES: None

EXPECTED COMPETENCIES:
Upon successful completion of the course, the student will:
- Identify the fundamental principles of rapid prototyping
- Identify and describe the functions of rapid prototyping equipment
- Understand various rapid prototyping materials and safety considerations
- Exhibit understanding of the importance of accuracy in prototyping
- Exhibit knowledge of file preparation prior to the prototyping process
- Follow proper safety protocols
- Perform basic cleanup, care and maintenance on equipment

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