



Wayne County Community College District

COURSE SYLLABUS

PDP 105 Product Development Process

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

This course will cover the principles of the product design process from concept to feasibility including functionality and manufacturability. The entire design through prototyping and testing process will be discussed.

PREREQUISITES: None

EXPECTED COMPETENCIES:

Upon successful completion of the course, the student will:

- Identify key functions and desired outcomes of product
- Exhibit knowledge of material selection process
- Understand design aesthetics
- Identify functional design elements
- Understand applicable manufacturing processes
- Apply design for manufacturability (DFM) standards

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