



# Wayne County Community College District

## COURSE SYLLABUS

### PDP 115 Introduction to 3D Printing

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**CREDIT HOURS:** 3.00

**CONTACT HOURS:** 45.00

**COURSE DESCRIPTION:**

In this course students will learn proper setup and operating processes to generate basic 3D prototype models utilizing state-of-the-art rapid prototyping equipment.

**PREREQUISITES:** PDP 100

**EXPECTED COMPETENCIES:**

Upon successful completion of the course, the student will:

- Understand various models of rapid prototyping equipment
- Describe various prototyping materials
- Demonstrate fundamental knowledge of 3D printing resolution and calibration
- Understand impact of environment variables (temperature and humidity)

**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