



# Wayne County Community College District

## COURSE SYLLABUS

### MAN 105 Basic Metrology

---

**CREDIT HOURS:** 3.00

**CONTACT HOURS:** 45.00

**COURSE DESCRIPTION:**

In this course students will be introduced to the concepts and practices of dimensional metrology and the modern processes, software and equipment used to ensure a high level of precision, accuracy and repeatability.

**EXPECTED COMPETENCIES:**

Upon successful completion of this course, the student will:

- Demonstrate knowledge of blueprints
- Exhibit ability to interpret GD&T symbols on drawings
- Perform basic functions in “PolyWorks” software
- Demonstrate ability to set up and calibrate the Faro Edge equipment
- Understand deviation reports generated with “PolyWorks” software

**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