



Wayne County Community College District

COURSE SYLLABUS

MAN 101 Manufacturing Process I

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

An introduction to precision measuring tools used in tooling and manufacturing processes. In the shop, emphasis is placed on exercised and projects that embody the process and operation of using hand tools, layout tools, and machine tools, such as hack saws, belt and disc sanders, drill press, vertical mill machines and surface grinders. Classroom emphasis is placed on related information that is essential to the set up and operations of machine tools, and to perform basic processes and operations in the shop.

EXPECTED COMPETENCIES:

Upon successful completion of the course, the student will be able to:

- Demonstrate knowledge of shop safety
- Exhibit proper selection and use of hand tools
- Demonstrate knowledge of semi-precise measuring tools
- Demonstrate knowledge of precision measuring tools
- Demonstrate ability to set up and operate vertical mill, band saw, drill press and grinder

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