



Wayne County Community College District

COURSE SYLLABUS

MAN 115 Manufacturing Process II

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

This course is a further study in manual machining exposing the students to additional hands-on machining processes utilizing lathes, and surface grinders with hands-on lab projects required.

PREREQUISITE: MAN 115

EXPECTED COMPETENCIES:

Upon successful completion of this course, the student will:

- Understand the importance of part processing.
- Demonstrate the use of the most common precision tools; micrometers, height gages, decimal rules, dial indicators.
- Recognize the different manufacturing methods.
- Know the effects of different cutting tool materials on different metals.
- Know the process on the lathe for center drilling, drilling, deep hole drilling, boring a hole, and chamfering a hole.
- Students will understand Know the purpose and how to use cutting speed charts for lathes.

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