



Wayne County Community College District

COURSE SYLLABUS

CNC 235 CNC Programming and Machining II

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

In this course students will be introduced to the concepts, industry practices and basic fundamentals of programming from a 3D solid model and continue to expand their knowledge of set-up and operation of modern CNC equipment.

PREREQUISITES: CNC 231

COREQUISITES: CNC 234

EXPECTED COMPETENCIES:

Upon successful completion of the course, the student will:

- Understand surface finish and roughing Tool Paths
- Demonstrate understanding of high speed Tool Paths
- Demonstrate knowledge of STL stock create and its use in solid model verification
- Demonstrate proficiency in back plot and verify Tool Paths
- Generate CNC documents
- Demonstrate ability to complete project part(s)
- Demonstrate understanding of shop safety

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