



Wayne County Community College District

COURSE SYLLABUS

MAN 215 Quality and Inspection

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

This course is designed to give students a background in precision techniques of part measurement and testing procedures. Emphasis is placed on modern tools and techniques to track accuracy of manufactured parts.

PREREQUISITE: MAN 105

EXPECTED COMPETENCIES:

Upon successful completion of this course, the student will:

- Acquaint the student with basic skills required in quality systems.
- Acquire the essential information regarding Manufacturing Processing, and Math so the student can interpret Quality Standards and make corrective actions.
- Develop the ability to solve problems with SPC.
- Foster desirable attitudes in the form of pride in workmanship, individual responsibilities and initiative and cooperation with fellow workers.
- Students will understand classification of monitoring systems, monitoring functions, dynamic process monitoring, continuous processes and environmental monitoring, labeling system, and vision systems.

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