



Wayne County Community College District

COURSE SYLLABUS

DRT 115 Geometric Dimensioning and Tolerancing

CREDIT HOURS: 2.00

CONTACT HOURS: 30.00

COURSE DESCRIPTION:

The theoretical and practical application of dimensioning and tolerance, as used in the world wide industry for the production of parts. GDT is the standard that defines clear and consistent application for precise interpretation of tolerances on geometric and characteristics. The standard is intended for the more advanced engineer, drafter, product designer, machinists, or inspector. At present, this is a Prerequisite in the Automotive Industry for employment in design, engineering, or manufacturing. Emphasis is placed upon building a solid foundation in understanding dimensioning and tolerance terms, as well as definitions and concepts as stated in ANSI Y 14.5 M 1982 and ASME Y 14.5 M 1994 (two CH).

PREREQUISITES: *DRT 101, DRT 102*

EXPECTED COMPETENCIES:

Upon completion of this course, the student will:

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