DCC

Danville Community College

Workforce Services

Danville Community College

Course Syllabus

Division: Workforce Services   **Semester:** Spring 2015

Course, Section No. and Course Title: MTH 103 Applied Technical Mathematics

Curricula in which course is taught: Manufacturing

Credit Hours: 3   **Hours/Day Lecturer:** 3

A. Catalog Description: Presents a review of arithmetic, elements of algebra, geometry and trigonometry. Directs applications to specially areas.

B. Relationship of the Course to Curricula Objectives in which it is Taught: Provides information and application of mathematical fundamentals for the technical student in several curricula.

C. Course Prerequisite (s) Required Background: One unit of high school mathematics and placement into the class

D. Course Content
    Common Fractions
    Decimal Fractions
    Percentage
    Practical Algebra
    Rectangles & Triangles
    Polygons & Circles
    Metric Measure
    Graphs
    Measuring Instruments
    Trigonometry

E. Learner Outcomes   **F. Evaluation:**

1. The learner will review common and decimal fractions.	Evaluation of learning will be determined by:
2. The learner will review percentage, geometric figures and practical algebra.	Three classroom test. Homework assignments. Written in-class quizzes. Attendance
3. The learner will review metric measure.	
4. The learner will review trigonometry.	
5. The learner will learn the application of the above in technical problems.	
6. The learner will learn to use measuring instruments used in technical applications.	

The course supports the following objectives:
DCC Educational Objectives
  ➢ Communication
  ➢ Critical Thinking