**Elgin Community College**

**Course Outline**

IMT 0107 Technical Math I

Contact Info:

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Prerequisite: MTH 090, consent of instructor, or appropriate score on placement test

Description:

Intended for students in technical programs or pre-engineering technology programs where a coverage of basic mathematics is required. An integrated approach in algebra, plane geometry, and trigonometry. 4 Credit Hours

NOTE: This course is offered concurrently as IMT 107 and MTH 107. The student must decide whether to earn credits in Industrial Manufacturing Technology (IMT) or Mathematics (MTH) prior to enrolling.

Textbooks Required

\*\* "Technical Mathematics," by Peterson, publ - International Thomson Publishing

Course Outline

A. Fundamental Concepts

B. Functions and Graphs

C. Trigonometric Functions

D. Factoring and Fractions

E. Principles of Plane Geometry

F. Trigonometric Functions of an Angle

Outcomes

Course Content Outcomes

To build and strengthen the mathematics skills of the students in technology programs. With an integrated approach, the student should be aware of the connections of the different areas of mathematics and possibility of technology.

Measures of Student Performance

Tests and quizzes

This course meets the agreed upon terminal objectives for the Computer Numerical Control Operator Program.

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