

**NORTHEASTERN TECHNICAL COLLEGE  
COURSE OUTLINE**

<b>COURSE:</b> MTT	<b>PREFIX NO.</b> 105	<b>EFFECTIVE DATE</b> FALL 2001	<b>NEXT REVIEW DATE</b> SPRING 2003		
<b>TITLE:</b> Machine Tool Math Applications		<b>CREDITS</b> 3	<b>CONTACTS</b>		
			<b>CLASS</b>	<b>LAB</b>	<b>TOTAL</b>
			3	0	3

**PREREQUISITES:** None

**DESCRIPTION:** This course is a study of shop math relevant to the machine tool trade.

This course includes the following topics: Fractions, Decimal Fractions, Percentages, Fundamentals of Algebra, Fundamentals of Plane Geometry, Fundamentals of Trigonometry, and Introduction to the Metric System.

**TEXTBOOK(S) OR ALTERNATIVE:** Mathematics for Machine Technology, 4<sup>th</sup> Edition

**MATERIALS (specifying those to be purchased by student):**  
Textbook, Scientific calculator, pencils, paper

**COLLATERAL READING:**

**CLASS MANAGEMENT ACTIVITIES (Attendance, tardies, testing, etc.):**

Attendance: Student must attend 80% of classes. The student will be dropped after 20% of the total class time has been missed.

Tardy Policy: Three tardies constitutes one absence. If you are late more than 15 minutes it will be counted as one absence.

Academic Dishonesty: Students are expected to do their own work. Please refer to the NETC Student Code and Grievance Procedures for a definition of academic dishonesty and an outline of the disciplinary action that may result.

**RESOURCES (A-V, persons, tools/equipment):**

**COURSE TOPICAL OUTLINE (List topics and sub-topics of course) and Calendar or approximate length of time devoted to topic.**

Instructor will give handout to students.

**OBJECTIVES OF COURSE:** Upon successful completion of this course the student will be able to demonstrate the ability to solve problems concerning various dimensions and angles used in the machine tool industry.

**INSTRUCTIONAL METHODS TO COMPLETE OBJECTIVES:** Lectures covering course material will be supplemented by problem solving.

**EVALUATIVE METHODS TO APPRAISE OBJECTIVES:** Chapter tests and a final will be used to compute the grade. No make-up tests will be given unless prior arrangements between student and instructor have been made.

Final grade will be 80% of the test average and 20% of the exam grade. No test grades will be dropped.

**GRADING:**

A = 93 - 100  
B = 85 - 92  
C = 77 - 84  
D = 69 - 76  
F = 68 and below