

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: MATHEMATICS
Code No.: MTH 151-3
Program: MACHINISTS
Semester:
Date: OCTOBER, 1985
Author: J. SUFADY

New

Revisxon:

APPROVED


Chairperson

Date


Date

MACHINISTS
MTH 151-3
MATHEMATICS

CALENDAR DESCRIPTION

MATHEMATICS	MTH 151-3
COURSE NAME	COURSE NUMBER

PHILOSOPHY/GOALS;

In this Course emphasis will be placed on teaching mathematics at a level that will facilitate computation in the machine shop trade. Some theoretical concepts and topics in algebra should be covered but quickly reinforced with practical problems to make it more relevant to the students' needs. Wherever possible, problems relating to strengthen concepts already taught by their subject instructor.

METHOD OF ASSESSMENT (GRADING METHOD):

1. Five tests after each ten units (approximate).
2. Final Grade = Total Marks Obtained on 5 Tests X 100%

Total Possible Marks

- 3, If a student achieves a grade less than 55% he/she may write a two-hour final exam covering the entire semester's work.

TEXTBOOK(S):

Hoffman, Edward G-, Practical Problems in Mathematics for Machinists

OBJECTIVES:

The basic objective is for the student to develop an understanding of the methods studied, knowledge of the facts presented and an ability to use them in the solution of problems. For this purpose exercises are assigned. Test will reflect the sort of work contained in other assignments. The level of competency demanded is the level required to obtain an overall passing average on the tests. The material to be covered is listed on the following page(s)

MACHINISTS
MTH 151-3
MATHEMATICS

TOPIC	REFERENCE	
Whole Numbers Common Fractions Decimal Fractions	Units 1-14 p. 1-48	
Direct Measure Computed Measure	Units 15-27 p. 49-94	13
Percentage & Finance Graphs	Units 28-32 p. 95-116	
Shop Formulas Ratio and Proposition Powers and Roots	Units 33-42 p. 114-155	10
5. Geometric Forms & Construction Trigonometry	Units 43-52 p. 156-203	10
Text on each topic		