

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title MATHEMATICS
Code No.: MTB 151-3
Program HEAVY EQUIPMENT DIESEL
Semester: TWO
Date OCTOBER, 1985
Author D. TROWBRIDGE

New

Revision:

APPROVED

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Date

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MATHEMATICS
MTH 151-3
HEAVY EQUIPMENT DIESEL
CALENDAR DESCRIPTION

MATHEMATICS	MTH 151-3
Course Number	Course Name

PHILOSOPHY/GOALS;

When the student has successfully completed this course he will have an understanding of the material listed elsewhere. The intention is to give the student sufficient background to solve work related problems.

METHOD OF ASSESSMENT (GRADING METHOD):

Three major tests during the semester

Test 1 on topics 1, 2, 3

Test 2 on topic 4

Test 3 on topics 5, 6, 7

Additional short tests may be given.

TEXTBOOK(S):

Practical Problems in mathematics for Vehicle Technicians
by George Moore

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 these 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.

MATHEMATICS
MTH 151-3
HEAVY EQUIPMENT DIESEL

TOPIC NO.	PERIODS	TOPIC DESCRIPTION	REFERENC
6	7	<u>Trigonometry</u> Definitions of trig functions Use of tables and calculator Right Triangles Solution of Equilateral and Isosceles triangles using right triangles	Manuscri
"^	3	<u>Shop Problems</u> In co-operation with major subject instructors, suitable shop problems will be discussed Topics might include engine displacement and hydraulic piston forces.	Moore Unit 36-
TOTAL HOURS	44		