SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: MATHEMATICS

Code No.: MTH 254-4

Program: ARCHITECTURAL DRAFTING

Semester: III

Date: JUNE 1984

Author: K. CLARKE

New: Revision:

APPROVED: _____ Date "M*

Chairperson

SEMESTER III

CALENDAR DESCRIPTION

MATHEMATICS (Architectural Drafting only)	**MTH 254-4**
COURSE NAME	**COURSE NUMBER**

PHILOSOPHY/GOALS:

When the student has successfully completed this course, he will have demonstrated an acceptable ability to pass tests based upon the course contexts as listed elsewhere. If, after completing the course, the student takes further courses (or employment) in which he is required to apply this material he should then, through practice, be able to develop a good command of this subject matter.

METHOD OF ASSESSMENT (GRADING METHOD):

The students will be assessed by tests. These tests will include periodic tests based upon blocks of subject matter and may, at the instructor's discretion include unannounced surprise tests or current work and/or a final test on the whole course. A letter grade will be based upon a student's weighted average of his test results. See also the mathematics department's annual publication "To the Mathematics Student" which is presented to students early in each academic year.

TEXTBOOK(S):

The text used by the student in his first year math courses will be useful as a reference.

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. Tests 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):

SEMESTER III

PERIODS	TOPIC DESCRIPTION	REFERENCE
	Alegebra Review special products, factoring, exponents, radicals, formulas, simultaneous	Manuscript Available
21	Mensuration Areas and perimeters of plane figures. Volumes and surface areas of solid shapes. Density, specific gravity and weight. The problems worked will review and expand upon the mensuration covered in first-year mathematics. Principles of geometry and trigonometry will be applied.	Manuscript
	Empirical Equations Linear empirical equations Non-linear empirical equations.	Rice and Knight 2nd. Ed. Ch. 6 P. 131-136 Ch. 14 P.334-352
19	Mathematics of Finance Accumulated value of an amount and an annuity. Present value of an amount and an annuity. Use of electronic calculators.	