

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: MATHEMATICS  
Code No.: MTH 254-4  
Program: \_ \_ARJCJJITECTURAL\_ORAFITING\_  
Semester: III  
Date: DECEMBER, 1983  
Author: K. CLARKE

New:

Revision:

Chairperson

Date

,v

ARCHITECTURAL DRAFTING  
MTH 254-4  
MATHEMATICS

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.

TEXT(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 reject the sort of -v:x eo.vtai--'-.d in ;";,; ;r assignments. The level of competency dummiied is the level squired to obtain an overall passing average on the tests, "he materia! to be covered is listed on the following ea^e'si:

DRAFTING  
 MIH 254-4  
 MATHEMATICS

TWICJiq^	PERIODS	TOPIC DESCRIPTION	REFERENCE
1.	6	Algebra Review "Special Topics, factoring exponents, radicals, formulas, simultaneous	Manuscript Available
2.	19	Mensuration Area's "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 mensur- ation covered in first-year mathematics. Principles of geometry and trigonometry will be applied.	Manuscript
3.	12	<u>Empirical Equations</u> Linear empirical "equations" Non-linear empirical equations.	Rice and Knight 2nd. Ed. Ch. 6 P. 131-136 Ch. 14 P,
	17	<u>Annuities</u> Accumulated value of an amount and an annuity. Present value of in amount and an annuity. Use of amortization tables.	