SAULT COLLEGE OF APPLIED ARTS % TECHNOLOGY

SAULT STE» MARIE* ONTARIO

COURSE OUTLINE

MATHEMATICS
Course Titlet

MTH 108-4
Code No•J

PULP % PAPER % WATER RESOURCES
ProSramt

ONE
Semester*I*

JUNE* 1984
Date*.

U. MACQUARRIE
Author l

Newt   Revisioni

APPROVED!
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MATHEMATICS   MTH 108-4

Course Name   Course Number

EHILQSQEfclXZGQALS*

When the student has successfully completed this course he will have
demonstrated an acceptable ability to pass tests based upon the course
contents 3S listed elsewhere* If after completing the courses' the student
takes further courses (or employment) in which he is reauired to apply this
material he should then? through practice* be able to develop a good
command of this subject matter*

METHOD QE ASSESSMENT IGBADIhlG MEIBQDU

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 on 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 the students early in each academic year.

IEXIBDQKlSi:

Person - "Essentials of Mathematics"? Uiley

QBJECIIUESt

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 exercised are
assigned* Tests will reflect the sort of work contained in the
assignments* The level of competency demanded is the level reauired to
obtain 3n overall passing average on the tests* The material to be covered
is listed on the following page*

TOPIC NO.	NO, OF PERIODS	TOPIC DESCRIPTION	REFERENCES
1	6	ERACIICAL CALCULATING	Ch. 16 - Section 10
		Conversion of units* estimating* approximate numbers* scientific notation* calculators	Ch. 54 % 3
2	20	GEQMEIB* AND fciENSURAIION	Ch. 24--31
		Principles of geometry as required for the following work? Pythagorean theorem Mensuration of plane figures! triangle* rectangle* sauare* parallelogram* trapezoid* circle* regular hexagon Mensuration of solid shapes? cubes* prisms* cylinders* pyramids* cones* spheres* truncated pyramids and cones	
	30	ALGEBRA BEyiEy ONE	Ch. 6-9* 10-13
		Fundamentals* zeros* exponents* roots and radicals* additions* subtraction* multiplication and division of algebraic expressions* elementary eetuations and their application Special products and factoring Algebraic fractions Fractional eouetions and formula manipulation	