

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

COURSE TITLE: COLLEGE PREPARATORY MATHEMATICS

CODE NO.: MTH 09 7-5

PROGRAM; GENERAL **ARTS** & SCIENCE -- COLLEGE PREPAY.TORY

SEMESTER: ONE

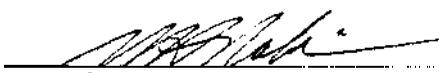
DATE: JUNE, 1989

AUTHOR: W.O. MAKI

New:

Revised:

Approved;


Chairperson

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SAULT STE MARIE

College Preparatory Mathematics

Course Name

MTH 097-5 (G.A.S.)

Course Number

PHILOSOPHY/GOALS;

The objectives of this course are to increase the student's speed, accuracy and skill in performing basic arithmetic calculations and operations on algebraic expressions, as well as the solution of practical problems involving linear equations.

Emphasis will be placed on developing the student's ability to state a ratio in simplified form, and to solve basic problems dealing with direct and inverse proportions.

A survey of geometry will enable the student to identify a variety of figures encountered, and to determine their perimeters, areas and volumes appropriately in both English and SI units.

METHOD OF ASSESSMENT (Grading Method);

Periodic tests and daily assignments based on material in course outline will be given during the semester. A final exam and a make-up test will be at the discretion of the instructor. The final mark will be based on the results of the tests and assignments given in each of the topics.

Grading: A+ = 90 - 100%
A = 80 - 89%
B = 65 - 79%
C = 55 - 64%

A passing grade will be based on a minimum grading of 55%. For further details read the Mathematics Department's publication: "To the Mathematics Student", which is attached.

TEXTBOOK: **Basic Math Skills**, 2nd ed., Streeter & Alexander

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 the 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 below:

<u>Number of</u> <u>Periods</u>	<u>Topic Descriptions</u>	<u>Reference</u>
5	Whole Numbers and their operations.	Part 1 p.179-184
10	Operations with and definition of fractions.	Part 2 p.185-280
8	Operations with and definition of decimals.	Part 3 p.315-382
15	Percents and conversions to decimals - ratio and proportion.	Part 4 p.400-481
15	Metric system - conversion to and from English system. Basic plane geometry.	Part 5 p.505-570
10	Introduction to Algebra - basic operations, (if time permits)	Part 6 p.593-648

63 hours

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

MATHEMATICS DEPARTMENT

GRADES

For the school year, 1989-90, the following grades are in effect:

A+	=	90	-	100	%
A	=	80	-	89	%
B	=	65	-	79	%
C	=	55	-	64	%
R	=	0	-	54	%

There will be rewrites or supplementary exams this semester at the discretion of the instructor.

ATTENDANCE

It is your responsibility to attend all classes during the semester. Attendance may not be taken, but poor attendance will reflect in inferior or failing grades.

TESTS

There will be four topic tests, each equal in value, given during the semester.

TEST ABSENCE

An unexcused absence from a scheduled test will result in a **zero** mark. To avoid this conflict, a student who is ill or going to be absent on compassionate grounds (family, illness or death), must notify the instructor by **9:00 a.m. of the day of the test or exam**. Upon his or her return to classes, the student must contact his/her instructor **within one day** of returning, to schedule a writing of the missed test (exam). Failure to carry out these procedures is considered to be an unexcused absence.

A doctor's certificate or a signed note from the College Nurse, verifying your illness, must be presented to your instructor on your return to classes.

W.O. Maki
Mathematics Department

September, 1989.