

SAOLT COLLEGE OF APPLIED ARTS AND TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

COURSE TITLE: COLLEGE PREPARATORY MATHEMATICS

CODE NO.: MTH 097-5

PROGRAM: GENERAL ARTS & SCIENCE - COLLEGE PREPARATORY

SEMESTER: ONE

DATE: JUNE , 1988

AUTHOR: K.R. PELEW AND W O. MAKI

New:

Revised:

Approved: 
Chairperson

Date &(/zs/e&

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 Mathematics**, Howard A. Silver

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># of</u> <u>Periods</u>	<u>Topic Descriptions</u>	<u>Reference</u>
1. 5	Whole Numbers and their operations.	Ch. 1
2. 10	Operations with and definition of fractions.	Ch. 2
3. 8	Operations with and definition of decimals.	Ch. 3
4. 15	Percents and conversions to decimals - ratio and proportion.	Ch. 4
5. 15	Metric system - conversion to and from English system. Basic plane geometry.	Ch. 5
6. 10	Introduction to Algebra - basic operations, (if time permits)	Ch. 6

63 hours

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

MATHEMATICS DEPARTMENT

GRADES

For the school year, 1987-88, the following grades are in effect:

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

There will be no rewrites or supplementary exams this semester.

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 two half-semester exams - one at mid-term and the other at the end of the term, each worth 30% of the final mark. Two topic tests between exams will be given, each worth 20% of the final mark.

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, Co-ordinator
Mathematics Department

September, 1987.