SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: COLLEGE PREPARATORY MATHEMATICS

Code No.:   MTH 098-5

Program: GENERAL ARTS & SCIENCE

Semester: TWO

Date: JUNE 1988

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New: Revision: X

APPROVED: VXyw^ vvvxX^——   ^iyW/»^
           Chairperson   Date

CALENDAR DESCRIPTION

COLLEGE PREP MATHEMATICS   MTH 098

   COURSE NAME   COURSE NUMBER

PHILOSOPHY/GOALS;

The objectives of this course are to develop the student's skill in
performing basic algebraic operations, as well as the solution of practica
problems involving linear equations in one and two variables. A survey of
geometry will enable the student to identify a variety of basic plane and
solid figures encountered and to determine their perimeters, areas and
volumes appropriately in both British and SI units.

METHOD OF ASSESSMENT;

Periodic tests and daily assignments based on material in the course
outline will be given during the semester. A final exam and a make-up tes
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 Mathematic
Student," which is attached.

TEXTBOOK:

Essentials of Basic Mathematics (Third Edition), Washington/Plotkin/Edmonc

MTH098 COURSE OUTLINE

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 overal passing average on the tests. The material to be covered is listed below.

Topic No.	Number of Periods	Topic Descriptions	References
1	5	Numbers	Ch. 1 Pgs. 1-3
2	6	Introduction to Algebra	Ch. 2 Pgs.35-5
3	5	Single Equations and Formulas Ratio and Proportion	Ch. 3 Pgs.56-6 Pgs.75-8i
4	10	Basic Algebraic Operations	Ch. 4 Pgs.92-1
5	10	Factoring	Ch. 5 Pg.116-1
6	8	Problem solving	Ch. 7 Pg.167-1
7	3	Graphs	Ch.10 Pg.232-2.
8	10	Simultaneous Equations	Ch.12 Pg.304-3;
9	3	Pythagorean Theorem	Ch. 8 Pg.193-1'
10	5	Geometry	Ch.13 Pg. 326-3- Pg.355-31
11	4	Trigonometry (if time permits)	Ch.14 Pg.386-41
12	3	Quadratic Equations (if time permits)	Ch. 9 Pg.207-2:

72 hours

TO THE MATHEMATICS STUDENT   September, 1988

1. GRADES

Each Mathematics grade is based upon a weighted average of test
scores on the following basis:

90-100%	A+
80%-89%	A
65%-79%	B
55%-64%	C
45%-54%	I, X, OR R (See #5 & 6)
0% -44%	R

The method of calculating your weighted average will be defined by
your instructor. Since grades are based upon averages, it follows
that good marks in some tests can compensate for a failing mark in
another test. If there are extenuating circumstances, an instructor
can make an exception and assign an "I" or "X" grade even if the
average is below 45%.

2. TESTS

While regular tests will normally be scheduled and announced
beforehand, there can be an unannounced test on current work at any
time. Such tests, at the discretion of the instructor, can be used
for up to 30% of the overall mark.

At the discretion of the instructor, there can be a final test which
can be used for up to 30% of the overall mark. Anything included in
the work of the semester is fair game on such a final test.

3. ABSENCE FROM CLASS

If you are absent from class, it is your responsibility to find out
from another student what work was covered and assigned and to
complete this work before the next class. Your absence indicates
your acceptance of this responsibility.

TO THE MATHEMATICS STUDENT..continued

TEST ABSENCE

Unexcused absence from a scheduled test will result in a zero mark. Absence may be excused on compassionate grounds such as verified illness or bereavement. On return from an excused absence, you should ask your instructor about writing a make-up test.

If your instructor uses short unannounced tests, the following will apply. Unexcused absence from such a test will result in a zero mark. If absence from such a test is excused, then, at your request, the marks for that test will be excluded from the calculation of your course average.

MAKE-UP PERIOD (IF APPLICABLE)

An "X" grade may be assigned at the end of the regular semester if your have achieved an overall average between 45%-54% and your attendance and effort on the course have been satisfactory. Satisfactory attendance and effort will include writing all the topic tests and attending at least 80% of the scheduled classes. If you are assigned an "X" grade, you may convert HT to a "C" grade by passing a make-up test on the whole course. This test will be available only at the time specified by your instructor. At the end of the regular term, it is the student's responsibility to obtain his/her results from his/her instructor and, in the event of an "X" grade, to inquire when the make-up test will be available. At the discretion of the instructor, a topic make-up test may be used instead of an overall test in special circumstances. No student will be permitted more than one such topic make-up test.

"R" AND "X" GRADES - AT THE END OF THE SEMESTER

If an "X" grade is not cleared by the specified date, it will become an "R" grade. Except for extenuating circumstances, an "X" grade in Math will not carry on into the next semester.

"R" GRADES DURING THE SEMESTER

A student with a failing grade and poor attendance (less than 80% attendance) may be given an "R" at any time during the semester.