

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: MATHEMATICS

Code No. : MTH 113-3

Program: FORESTRY & GEOLOGY TECHNICIANS

Semester: ONE

Date: OCTOBER, 1987

Author: B. LINDSEY

New:

Revision:

APPROVED:


 X / / ^ / / / ^ ^
 Chairp'r^orf ' '

^y^/r7.
 Date

CALENDAR DESCRIPTION

MATHEMATICS

MTH 113-3

Course Name

Course Number

OBJECTIVES;

The objectives of this course include the review of the basic operations c algebraic expressions and the solutions to systems of linear equations.

A survey of plane and solid geometry will enable the student to determine areas, volumes and weights for a variety of forms including cylinders, cones and pyramids.

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 t at the discretion of the instructor.

The final mark will be based on four unit tests, one from each topic, each representing 25% 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 going to be absent must notify the instructor (Office J1301, Ext. 474) by **9 a.m. of the day of the test.** Upc his/her return to classes, the student must contact his/her instructor **within one day** of returning, to schedule a writing of the missed test. Failure to carry out these procedures is considered to be an unexcused absence. A doctor's certificate or signed note from the College Nurse, verifying your illness, must be presented to your instructor on your retur to classes.

ATTENDANCE

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

GRADING

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%

A passing grade will be based on a minimum grading of 55%. Students obtaining grading of 45-55% may be allowed to complete a supplementary examination. However, only students having satisfactory attendance records will be considered for the supplementary examination.

TEXTBOOK(S);

"Essentials of Mathematics"; Fourth Edition, (Person)

TOPIC NO.	PERIODS	TOPIC DESCRIPTION	REFERENCES
		<u>Estimations, Dimensional Analysis and Metrication</u> Approximate numbers and rounding off procedures - scientific notation Dimensional analysis for conversion between English and/or SI units The Metric System	Person Ch. 32 pp. 500-510 pp. 494-499
		<u>Plane Geometry</u> Definitions and theorems involving triangles and rectangles Definitions and theorems of the circle, practical problems Basic constructions if time permits	Person Ch. 25, 27 Heywood pp. 415-427
11		<u>Solid Mensuration</u> Mensuration of plane figures Mensuration of solid figures, cubes, cylinders, pyramids, cones, spheres, paraboloids, applications and formulae	Person Ch. 28-31
17		<u>Review of Elementary Algebra</u> Simplification (bracket removal) Basic Operations (monomial) Special products and factoring Operations involving algebraic expressions and fractions (polynomials) Solutions and properties of linear equations Applied Word Problems Formulae Manipulation	Person Ch. 6-11
TOTAL HOURS	42	(+4 1-HOUR TESTS) = 46 PERIODS)	