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

## COURSE OUTLINE

MATHEMATICS

## Course Title:

MTH 577-4
Code No.:
ELECTRICAL/ELECTRONIC TECHNOLOGY; COMPUTER ENGINEERING
\% Program:
IV
Semester
OCTOBER, 1985
Date:
J. REAL

Author:

New: Revision

APPROVED:


Date

## PHILOSOPHY/GOALS:

When the student has successfully completed this course he/she will have demonstrated an acceptable understanding of the course material as listed elsewhere.

The student should then be able to apply this knowledge in his/her studies o other courses in the program where these are applications of these mathemati concepts.

Upon graduation, the student should be able to develop a good command of thi subject matter through additional practice.

METHOD OF ASSESSMENT (GRADING METHOD);
The student will be assessed by written tests only. There will be periodic topic tests at times mutually agreed upon (usually) by students and instruct A letter grade will be assigned for the student's progress report based upon weighted average of the student's test results.

See also the Mathematic's departments annual publication "To The Mathematica Student" which is presented to the students early in each academic year.

TEXTBOOK (S) :
Calculus For Engineering Technology - W. R. Blakeley

TOPIC NO
1

2

3

4
PERIODS TOPIC DESCRIPTION

REFERENCE
Ch. 7,8
Integration of power function by rule Electrical problems
Area under curve
Definite integral
Area under curve using definite integral Volume of revolution
Mean and Root mean square values
17 Trigonometric Functions
Ch. 10
p. 146-15

Review graphs and identities Derivative of trig, functions Integration of trig, functions Applications to problems Mean and root mean square values


