

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

COURSE OUTLINE

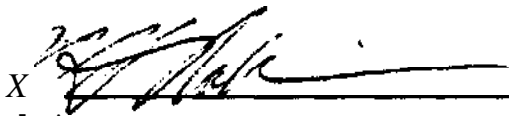
Course Title: MATHEMATICS
Code No.: MTH 551-4
Program: ELECTRICAL/ELECTRONIC TECHNOLOGY; COMPUTER ENGINEERING
Semester: III
Date: OCTOBER, 1985
Author: J. REAL

New:

Revision

APPROVED:

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Date

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<u>TOPIC NO.</u>	<u>PERIODS</u>	<u>TOPIC DESCRIPTION</u>	<u>REFERE</u>
1	12	<u>Graphs and Analytic Geometry</u> Power functions Straight line Conic sections	Ch. 1,
2	18	<u>Differentiation</u> Delta notation Derivatives by delta method Derivative by rule Applications (electrical) Maximum and minimum Higher order derivatives Applications of maximum/minimum	Ch. 3
3	16	<u>Differentials, Implicit Differentiation</u> The differential Implicit differentiation Product rule Quotient rule Related rates Composite functions Applications	Ch. 5