

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: MATHEMATICS
Code No.: MTH 114-4
Program: BUSINESS
Semester: II
Date: JULY 1983
Author: W.O. MAKI AND J. GLOWACKI

New:

Revision:

APPROVED:

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Chairperson

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Date

MATHEMATICS

Course Name

MTH 114-4

Course Number

PHILOSOPHY/GOALS:

The goals of the course are to develop logical reasoning and the ability to estimate approximate answers. Also, the development of the student's knowledge and skill in computation of financial problems relating to business and the skill in using current formulas and forming accurate answers is essential to this course.

METHOD OF ASSESSMENT (GRADING METHOD):

Periodic test during the semester (usually every 2 or 3 weeks) as well as unannounced quick tests are suggested as a measure of student learning. A final exam and a supplemental exam can be used at the discretion of the instructor or depending on department or college policies.

TEXTBOOK(S):

CONTEMPORARY BUSINESS MATH; S.A. Hummelbrunner (Prentice-Hall)

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 other 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 on the following page

BUSINESS MATHEMATICS - MTH 114-5

<u>TOPIC NO.</u>	<u>PERIODS</u>	<u>TOPIC DESCRIPTION</u>	<u>REFERENCES</u>
1	10	Simple interest graphical presentations Promissory notes, simple and bank discount	p. 327-357 p. 359-381
2	12	Compound interest - amount and present value-listing calculations and graphical method-discounting promissory notes - special problems	p. 430-511
3	18	Ordinary simple annuities Using calculator and graphical method - present value term of an annuity-rate of interest Deferred annuities and perpetuities	p. 516-610
4	10	General annuities-deferred general annuities-present value Amortization and sinking funds	p. 622-689 p. 686-729
5	6	Bond valuation - purchase price premium and discount book value and yield rate	p. 735-775