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: OCTOBER, 1985

Author: J. GLOWACKI

New: Revision:

APPROVED: _____ ^y^f//<
Chairperson Date

MATHEMATICS   MTH114-4

COURSE NAME   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 knowlc
and skill in computation of financial problems relating to business and the
skill in using current formulas and forming accurate answers is essential tc
this course.

METHOD OF ASSESSMENT (GRADING METHOD);

Periodic tests and daily assignments based on material in course outline wi:
be given during the semester. A final exam and a make-up test will be at tl
discretion of the instructor.

The final mark will be based on four unit tests, each representing 25% of tl
final mark.

Grading: A = 80-100%
          B = 65-79%
          C = 55-64%
          I = 45-54%

A passing grade will be based on a minimum grading of 55%. Students obtain
grading of 45-54% may be allowed to complete a supplementary examination.
However, only students having satisfactory attendance records will be
considered for the supplementary examination.

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 the
in the solution of problems. For this purpose, exercises are assigned. Te
will reflect the sort of work contained in other assignments. The level of
competency demanded is the level required to obtain an overall passing aver
on the tests. The material to be covered is listed on the following page.

BUSINESS MATHEMATICS - MTH 114-5

TOPIC NO.	PERIODS	TOPIC DESCRIPTION		
	10	Simple interest graphical presentations	p.	327
		Promissory notes, simple and bank discount	p.	359
	12	Compound interest - amount and present value-listing calculations and graphical method-discounting promissory notes - special problems	p.	430
	18	Ordinary simple annuities	p.	516
		Using calculator and graphical method - present value term of an annuity-rate of interest		
		Deferred annuities and perpetuities		
	10	General annuities-deferred	p.	622
		General annuities-present value		
		Amortization and shinking funds	p.	686
	6	Bond valuation - purchase price premium and discount book value and yield rate	p.	735