SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: BUSINESS MATHEMATICS

Code No.: MTH 109-5

Program: OFFICE PROCEDURES/RETAIL SALES

Semester: ONE

Date: JUNE 1989

Autnor: J. GLOWACKI

New: Revision: X

APPROVED: _____ *y/VY^/f^r ^-_____ *u*
              Chairperson   Date

CALENDAR DESCRIPTION

BUSINESS MATHEMATICS   MTH 109-5

    COURSE NAME   COURSE NUMBER

PHILOSOPHY/GOALS:

The objective of this course is to increase the student's skill in
solving practical business arithmetic problems, assisted by the
effective use of the calculator. The topics will include a review o
basic operations, ratios, percent, mark-up, simple interest,
compounding, and periodic payments.

METHOD OF ASSESSMENT:

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 be at the discretion of the instructor.

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

Grading: A+ = 90-100%
             A   = 80-89%
             B   = 65-79%
             C   = 55-64%
             I   = 45-54%
             R   = 0-44%
A passing grade will be based on a minimum grading of 55%.

TEXTBOOK:

College Business Mathematics - H. Hugh Harper, McGraw-Hill Ryerson.

TOPIC NO.	PERIODS	TOPIC DESCRIPTION	REFERENCES

Arithmetic Operations   pp. 1-16
- fundamental operations
- fractions
- exponents

Equations   pp. 17-33
- solving equations
- formula manipulations
- calculator operations
- estimating

Ratio, Proportion, Percent   pp. 34-59
- ratios
- proportions
- applications of proportion
- percent problems

Applications of Percent   pp. 60-7 8
- mark-up   88-91
- markdown
- discounts
- commissions
- taxes

Simple Interest   pp. **92-126**
- formula
- present value
- equations of value
- partial payments
- revolving credit

Simple Discount   pp. 127-139
- using interest rate
- using discount rate
- equating rates
- promissory notes

Compound Interest   pp. 140-163
- Basic Formula
- present value
- effective rate
- fractional periods
- equations of value
- solving for interest, rate and time

MTH 109-5

TOPIC NO.	PERIODS	TOPIC DESCRIPTION	REFERENCES

Periodic Payments   pp. 164-170
- end of period payments   198-199
- finding periodic payments
- beginning of period payments

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