

SAULT COLLEGE  
of Applied Arts and Technology  
Sault Ste. Marie

COURSE OUTLINE

MATHEMATICS

MTH 114-4

June 1981 by B. Maki

---



MATHEMATICS

MTH 114-5

NOTES:

The objectives of the course are:

- a) to develop logical reasoning and the ability to estimate approximate answers;
- b) to develop the student's knowledge and skill in the computation of financial problems in business;
- c) to promote accuracy and the use of formulae for problem solving.

Each student should keep a separate sheet for all formulae, as they are introduced. This sheet may be used for all tests. For most tests the textbook should be used for table purposes only.

At the end of each topic, homework problems should be given from the test questions on page 237.

Emphasis should be placed on interpolation in the Compound Interest chapter, as this method is widely used throughout the text.

The importance of using the correct number of significant digits of the "factor" to obtain the required accuracy in the answer should be emphasized continually.

MATHEMATICS

. MTH;114tS

TOPICAL OBJECTIVES:

"The student should:

- ; 1. Be able to estimate and then, solve any simple/interest and discount problems.
- 2. Be able to easily interpolate, as this technique is used throughout the course.
- 3. Draw time diagrams for all problems and set up an equation of equivalence.
- 4. Become thoroughly familiar with the following terms, their symbols, and when they are used: compound interest, present value, simple and general annuities, amortization and sinking funds, perpetuities.
- 5. Be able to calculate the yield rate and purchase price of bonds.