

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: BUSINESS MATHEMATICS  
Code No.: MTH 104-2  
Program: HOTEL AND RESTAURANT MANAGEMENT  
Semester:  
Date: JUNE, 1983  
Author: J. McGAULEY

New:

Revision:

APPROVED:

  
Chairperson

September, 1983  
Date

CALENDAR DESCRIPTION

BUSINESS MATHEMATICS

Course Name

MTH 104-2

Course Number

PHILOSOPHY/GOALS:

An introduction to percentages and ratios, compound and simple interest tax mathematics, discounts, mark-up and mark-down, installment loans, real estate mathematics, metric system

METHOD OF ASSESSMENT (GRADING METHOD):

The students will be assessed by tests. These tests will include periodic tests based upon blocks of subject matter and may, at the instructor's discretion include unannounced surprise tests on current work and/or final test on the whole course. A letter grade will be based upon a student's weighted average of his test results. See also the mathematics department's annual publication "To the Mathematics Student" which is presented to the students early in each academic year.

TEXTBOOK(S):

Mathematics For Business Careers

- Cain and Carman (Wiley)

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 the 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(s).

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Topic No.	Periods	Topic Description	Reference
1		Fraction & Decimals addition and subtraction multiplication and division converting fractions to decimals	P. 43-117
		Percentage converting fractions and decimals to percents converting percents to decimals and fractions solving word problems -percentage unknown -rate unknown -base unknown	P. 119-147
		Buying and Selling Trade discounts Cash discounts Markup based on cost Markup based on selling price	P. 149-201
		Simple Interest simple interest formula accurate simple interest ordinary simple interest maturity value solving for other interest variables	P. 249-285
		Compound Interest bank discount compound interest formula present value word problems	P. 287-311
		Consumer Math installment loans revolving charge	P. 337-371

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<u>Topic No.</u>	<u>Periods</u>	<u>Topic Description</u>	<u>Reference"</u>
7	4	Real Estate Math interest and principal payment prorations property taxation	P. 395-410
8	4	Measurement metric system perimeter, area, volume	P. 557-562 P. 375-389