SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

CourseTitle: MATHEMATICS

CodeNo,: ••;   MTH 115-4

Program: ,:   HOTEL AND RESTAURANT MANAGEMENT

Semester: 2

Date: JUNE, 1983

Author: J. McGAULEY

                              New: Revision: X

APPROVED:
             Chairperson   Date⁷' '

CALENDAR DESCRIPTION

HOTEL AND RESTAURANT MANAGEMENT
MATHEMATICS   MTH 115-4
Course Name   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).

Topic No.	Periods	Topic Desciption	Reference
<u>1</u>		Fraction & Decimals	P. 43-117
		addition and subtraction multiplication and division converting fractions to decimals	
		Percentage	P. 119-147
		converting fractions and decimals to percents converting percents to decimals and fractions solving word problems -percentage unknown -rate unknown -base unknown	
		Buying and Selling	P. 149-201
		Trade discounts Cash discounts Markup based on cost Markup based on selling price	
		Simple Interest	P. 249-285
		simple interest formula accurate simple interest ordinary simple interest maturity value solving for other interest variables	
		Compound Interest	P. 287-311
		bank discount compound interest formula present value word problems	
		Consumer Math	P. 337-371
		installment loans revolving charge	
		Real Estate Math	P. 395-410
		interest and principal payment prorations property taxation	
		Measurement	P. 557-562 P. 375-389
		metric system perimeter, area, volume	