

1986/87

GRANDE PRAIRIE REGIONAL COLLEGE
DEPARTMENT OF BUSINESS ADMINISTRATION
COURSE OUTLINE

BA 105 - BUSINESS MATHEMATICS AND STATISTICS

TEXT: C.W. McCoomb. Mathematics of Finance.
Scarborough, Ontario: Prentice-Hall
Canada Inc., 1983.

PREREQUISITE: Math 20 or Math 33

COURSE DESCRIPTION: Emphasizes a range of mathematical calculations used in business. Introduction to simple interest, compound interest, annuities, amortization, sinking funds, statistical methods and probability theory. Practical applications are emphasized.

COURSE OBJECTIVES: The course is designed to provide students with an up-to-date range of mathematical calculations used in business operations. It also introduces the students to statistical analysis.

COURSE CONTENT:

- I. Simple Interest and Simple Discount Text Chapter 1
- II. Compound Interest Text Chapter 2
- III. Simple Annuities Text Chapters 3,4
- IV. General Annuities Text Chapter 5
- V. Statistics Outside Readings
 - 1. Obtaining Data
 - 2. Analysis of Data
 - 3. Presentation of Data
 - 4. Frequency Distributions
 - 5. Characteristic of Frequency Distributions
- VI. Probability Outside Readings
 - 1. Concepts of Probability
 - 2. Sample Space & Events
 - 3. Permutations & Combinations
 - 4. Mathematical Expectation
 - 5. Probability Distributions

EVALUATION: 6 tests at 10% each 60%
 Lab Work 10%
 Final Exam 30%
 100%

GRADING: Conversion of percentages to the 9-point system will
 be as follows:

90-100%	9
80-89%	8
73-79%	7
66-72%	6
57-65%	5
50-56%	4
45-49%	3
26-44%	2
0-25%	1

INSTRUCTOR: John El-Nahhas

OFFICE: C115

PHONE: 539-2815

OFFICE HOURS: M & W 11:00 a.m. - 2:00 p.m.
 T & R 11:00 a.m. - 12:30 p.m.