1. Course: Business Mathematics and Statistics (BA1050)

Credit: 3, Hours: 3-lecture 2-lab, Prerequisite: none.

2. Course Description and Objective:

An introduction to the use mathematical calculations used in business. In addition, some basic business statistics will be included as well as some mathematics of economics. Practical applications will be emphasized in the course.

The objective of this course is to provide students with a rudimentary knowledge of business mathematics. This course in conjunction with BA2060 provides an exemption to the CGA Managerial Statistics course 203 and to the CMA Quantitative methods 332 course.

3. Text and Calculator:

Hummelbrunner, S.A. Contemporary Business Mathematics with Canadian Applications , Fourth Edition, 1994 Prentice Hall.

The *ONLY* calculator allowed in exams will be the Texas Instruments BA-35.

4. Instructor:

Name: Wayne Tymchuk

Office: C210

Office phone: (403) 539-2815

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5. Rules:

i) When I talk you must listen and when you talk I must listen.

ii) You only get out of this course what you put in.

6. Evaluation:

Exam #1	30%
Exam #2	30%
Final exam	40%

7. Course content:

Simple interest, Simple interest maturity and present value. Simple interest maturity and present value combined, Compound interest, Compound interest maturity and present value combined, Compound interest and equations of value, Compound interest and assorted calculations, Ordinary annuities, Ordinary annuities mixed problems, Ordinary annuities determining the periodic payment and approximating the interest rate, Ordinary annuities determining the number of payments,

Exam #1 February 5 1997

Deferred annuities, Annuities due, General annuities, Amortization, Mortgages, Sinking funds, Net present value, Internal rate of return, Bonds' purchase price on an interest rate due date, Bonds purchase price in between interest rate due dates.

Exam #2 March 12 1997

Government Deficit, Government Debt, Inflation, Unemployment, Business cycles,

Tables, Mean, Median, Mode, Standard deviation, Other statistical measures.

Please note: This is the TENTATIVE course content and subject to changes.