GRANDE PRAIRIE REGIONAL COLLEGE
DEPARTMENT OFBUSINESS ADMINISTRATION
COURSE OUTLINE

SPRING 1999/2000

BA 1050 – BUSINESS MATH AND STATISTICS

CREDITS:	*3* ***HOURS PER WEEK: 3 LECTURE/ 1 LAB***
PREREQUISITE:	Math 20, Math 30, Math 33 or Equivalent
TRANSFERABILITY:	In conjunction with BA2060, this course provides an exemption in CGA and CMA Qualitative Methods
INSTRUCTOR:	Kamelia Djonova
OFFICE:	C 415
TELEPHONE:	539-0224 (home: any time p.m.)
E-MAIL:	studio29@telusplanet.net
OFFICE HOURS:	Mondays 10:00 – 11:30 a.m. or by appointment. Students are encouraged to contact the instructor at any time by telephone or E-mail
MATERIALS:	**Mathematics of Finance with Canadian Applications**, Third Edition; S.A. Hummelbrunner; Prentice Hall The above text will be used as core material and/or supplement to handouts to be distributed throughout the course.
COURSE DESCRIPTION:	The course 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 will be emphasized in the course.
COURSE OBJECTIVES:	To provide students with a knowledge of managerial mathematics and introductory statistics.

GRADING:

2 assignments (10% each)	20%	
Test 1	20%	
Test 2	20%	
Final exam	40%	100%

ASSIGNMENT POLICY:

Assignments are due at the beginning of class on the due date. In the case of extenuating circumstances, deadlines would be extended for up to 5 days at the instructor's discretion. Unjustified delays in handing in of assignments will result in 5% decrease of marks per working day.

ATTENDANCE POLICY:

Students are expected to attend all classes and labs on a regular basis.

COURSE CONTENT:

TOPIC:	*MATERIAL*
Simple Interest – Introduction	Text: Chapter 1
Simple Interest – Applications:	
- Promissory notes	
- Treasury Bills	
- Demand Loans & Credit Lines	Text: Chapter 2
Compound Interest:	Selected text
-Finding the compound amount	from chapters
-Finding the present value	3 & 4
-Equivalent rates	Handouts
-Continuous Compounding	
-Discounting long-term promissory notes	
-Effective rates of interest	
Simple Annuities & General Annuities	Text chapters 5 & 6
- Present value	
- Amount	
- Annuity due	
- Interest rate	
- Mortgages	
Bonds and Sinking Funds	Text Chapter 9
Introduction to Statistics:	Handout/
- Random sampling	Lecture
- Observational studies	
- Frequency tables	
- Centre and spread of a distribution	
Introduction to Probability:	Handout/
- Probability models	lecture
- Compound events	
- Conditional events	
- Independence	