



**DEPARTMENT OF BUSINESS**  
**COURSE OUTLINE – WINTER 2012**  
**BA 1050 – BUSINESS MATHEMATICS**

**INSTRUCTOR:** Lori Bombier                      **PHONE:** 780-539-2711  
**OFFICE:** C406                                      **E-MAIL:** lbombier@gprc.ab.ca

**OFFICE HOURS:** Tues. & Thurs. 11:30 am – 12:50 pm

**PREREQUISITE(S)/COREQUISITE:** Math 20, Math 33 or consent of instructor.

**REQUIRED TEXT/RESOURCE MATERIALS:** Business Mathematics in Canada; Seventh Edition. F. Ernest Jerome. McGraw-Hill Ryerson.  
Sharp EL-733 A or EL - 738 Calculator – **no programmable calculators will be allowed.**

**CALENDAR DESCRIPTION:** This course emphasizes a range of mathematical calculations used in business. Students will be introduced to simple interest, compound interest, annuities, amortization, sinking funds, statistical methods and probability theory. Practical applications will be emphasized in the course.

**CREDIT/CONTACT HOURS:** BA 1050 is a 3 credit course consisting of 60 hours of instruction.

**DELIVERY MODE(S):** BA 1050 consists of three hours of lecture and one hour of lab work per week.

**OBJECTIVES (OPTIONAL):** The primary objective of this course is to increase the student's knowledge and skill in the solution of practical financial and mathematical problems encountered in the business community.

**TRANSFERABILITY:**

**\*\* Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability**

**GRADING CRITERIA:**

Quizzes (4 @ 8%)	32%
Mid-Term	27%
Final Exam	35%
Professionalism	6%

Class Professionalism: 6% of the final grade will be attributed to participation and attendance in class. In order to get the most out of class regular attendance and active participation is encouraged. Repeated lateness will be viewed similar to an absence in class. 6 or more absences will be in jeopardy of receiving a zero for professionalism. Disruptive classroom behavior will also be viewed as "not professional"... i.e. excessive/disruptive talking, texting, taking phone calls, ect.

4 Quizzes (8% each) will be given throughout the semester.

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	4-point Equivalent	Percentage Guidelines	Designation
A <sup>+</sup>	4.0	90 – 100	EXCELLENT
A	4.0	85 – 89.99	
A <sup>-</sup>	3.7	80 – 84.99	FIRST CLASS STANDING
B <sup>+</sup>	3.3	77 – 79.99	
B	3.0	73 – 76.99	GOOD
B <sup>-</sup>	2.7	70 – 72.99	
C <sup>+</sup>	2.3	67 – 69.99	SATISFACTORY
C	2.0	63 – 66.99	
C <sup>-</sup>	1.7	60 – 62.99	
D <sup>+</sup>	1.3	55 – 59.99	MINIMAL PASS
D	1.0	50 – 54.99	
F	0.0	0 – 49.99	FAIL
WF	0.0	0	FAIL, withdrawal after the deadline

**EVALUATIONS:** The Mid-Term will be written approximately at the end of week 7

4 Quizzes will be written throughout the semester.

The final exam will be scheduled during the exam week by the registrar's office.

\* All quizzes, mid-terms and finals will be written as scheduled.

\*No rewrites will be given on missed quizzes or midterms. If there is an excusable absence the weighting of the missed quiz/exam will be added to the final exam weighting

## STUDENT RESPONSIBILITIES:

Grande Prairie Regional College Calendar

Academic Regulations

### Debarred From Exams

“You may be **refused permission to write a final examination** in a course on the advice of the instructor concerned. This usually happens when absences are excessive or if significant parts of required assignments or lab work are not completed.”

Student Conduct

- **Your responsibility** as a student is to arrive on time and remain for the duration of scheduled classes and related activities.
- **Your responsibility** as a student is to respect faculty member’s right to enforce the attendance requirements for the course.

## STATEMENT ON PLAGIARISM AND CHEATING:

Refer to the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at [www.gprc.ab.ca/about/administration/policies/\\*\\*](http://www.gprc.ab.ca/about/administration/policies/**)

\*\*Note: all Academic and Administrative policies are available on the same page.

## **COURSE SCHEDULE/TENTATIVE TIMELINE:**

<b><u>Week</u></b>	<b><u>Topic</u></b>	<b><u>Required Reading</u></b>
• One	Simple Interest	Chapter 6
• Two	Simple Interest	Chapter 6
• Three	Simple Interest Applications	Chapter 7
• Four	Simple Interest Applications	Chapter 7
• Five	Compound Interest FV & PV	Chapter 8
• Six	FV & PV Continued	Chapter 8
• Seven	Compound Interest Further Topics	Chapter 9
• Eight	Ordinary Simple Annuities	Chapter 10
• Nine	Ordinary Simple Annuities Continued	Chapter 11
• Ten	Ordinary Annuities	Chapter 11
• Eleven	Annuities Due and Deferred Annuities	Chapter 12
• Twelve	Amortization of Loans and Bond Valuation	Chapter 14&15
• Thirteen	Review	All Chapters