



**DEPARTMENT OF BUSINESS
COURSE OUTLINE – WINTER 2012
BA1050 BUSINESS MATHEMATICS – 3(3-1-0) 60 HOURS**

INSTRUCTOR: Carly McLeod **PHONE:** 780-539-2946
OFFICE: C307 **E-MAIL:** cmcleod@gprc.ab.ca

OFFICE HOURS: Tues & Thurs 10am – 11:30am
*or by appointment

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:

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:

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	4-point Equivalent	Percentage Guidelines	Designation
A⁺	4.0	90 – 100	EXCELLENT
A	4.0	85 – 89	
A⁻	3.7	80 – 84	FIRST CLASS STANDING
B⁺	3.3	76 – 79	
B	3.0	73 – 75	GOOD
B⁻	2.7	70 – 72	
C⁺	2.3	67 – 69	SATISFACTORY
C	2.0	64 – 66	
C⁻	1.7	60 – 63	
D⁺	1.3	55 – 59	MINIMAL PASS
D	1.0	50 – 54	
F	0.0	0 – 49	FAIL
WF	0.0	0	FAIL, withdrawal after the deadline

EVALUATIONS:

- Assignments: 30% - submitted throughout the semester. (5% each)
- Mid-Term: 30% - written approximately at the end of Week 7
- Final Exam: 35% - scheduled during the exam week by the registrar’s office.
- Professionalism: 5% - 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. More than 2 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.

STUDENT RESPONSIBILITIES:

- 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 onto the final exam weighting.
- **Assignments** are due on the dates set by the instructor. If there is a valid reason for an extension, it must be requested prior to the due date. Unauthorized late assignments will have a 10%-per-day late penalty applied to the assigned grade. **In order to pass BA 1050:** ALL assignments and non-graded, assigned work must be completed

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

COURSE SCHEDULE/TENTATIVE TIMELINE:

<u>Week</u>	<u>Topic</u>	<u>Required Reading / Assignments</u>
Jan 11 th	<ul style="list-style-type: none"> • Outline Review • Simple Interest 	Chapter 6
Jan 18 th	<ul style="list-style-type: none"> • Simple Interest 	Chapter 6 Assignment #1
Jan 25 th	<ul style="list-style-type: none"> • Applications of Simple Interest 	Chapter 7 Assignment #2
Feb. 1 st	<ul style="list-style-type: none"> • Compound Interest: PV & FV 	Chapter 8
Feb. 8 th	<ul style="list-style-type: none"> • Compound Interest: PV & FV 	Assignment #3
Feb. 15 th	Mid-Term	Chapters 6 - 8
Feb. 21 st	<ul style="list-style-type: none"> • Reading Week 	No Classes
Feb. 29 th	<ul style="list-style-type: none"> • Compound Interest: Further topics 	Chapter 9
March 7 th	<ul style="list-style-type: none"> • Compound Interest: Further topics 	Chapter 9 Assignment #4
March 14 th	<ul style="list-style-type: none"> • Ordinary Annuities: PV & FV 	Chapter 10
March 21 st	<ul style="list-style-type: none"> • Ordinary Annuities: PV & FV 	Chapter 10 Assignment #5
March 28 th	<ul style="list-style-type: none"> • Ordinary Annuities & Annuities Due 	Chapter 11 & 12 Assignment #6
April 2 nd	<ul style="list-style-type: none"> • Mortgages & Bonds 	Chapter 14 & 15
April 9 th	<ul style="list-style-type: none"> • Review 	All Chapters