



## DEPARTMENT OF BUSINESS

### COURSE OUTLINE – FALL 2013

#### 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 1-2:30pm  
\*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 <sup>+</sup>	4.0	90 – 100	EXCELLENT
A	4.0	85 – 89	
A <sup>-</sup>	3.7	80 – 84	FIRST CLASS STANDING
B <sup>+</sup>	3.3	76 – 79	
B	3.0	73 – 75	GOOD
B <sup>-</sup>	2.7	70 – 72	
C <sup>+</sup>	2.3	67 – 69	SATISFACTORY
C	2.0	64 – 66	
C <sup>-</sup>	1.7	60 – 63	
D <sup>+</sup>	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	15% - Submitted throughout the semester
Quizzes:	25% - written throughout the semester. (6.25% each)
Mid-Term:	25% - written approximately at the end of Week 7
Final Exam:	35% - scheduled during the exam week by the registrar's office.

## 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 date set by instructor; late assignments will not be accepted.

## 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:

Week	Topic	Required Reading / Assignments
Week 1	<ul style="list-style-type: none"> <li>• Outline Review</li> </ul>	
Week 2	<ul style="list-style-type: none"> <li>• Simple Interest</li> </ul>	Chapter 6
Week 3	<ul style="list-style-type: none"> <li>• Simple Interest</li> </ul>	Chapter 6 <i>Assignment #1</i> <b>Quiz #1</b>
Week 4	<ul style="list-style-type: none"> <li>• Applications of Simple Interest</li> </ul>	Chapter 7
Week 5	<ul style="list-style-type: none"> <li>• Applications of Simple Interest</li> </ul>	Chapter 7
Week 6	<ul style="list-style-type: none"> <li>• Compound Interest: PV &amp; FV</li> </ul>	Chapter 8 <i>Assignment #2</i> <b>Quiz #2</b>
Week 7	<ul style="list-style-type: none"> <li>• Compound Interest: PV &amp; FV</li> </ul>	Chapters 8
Week 8	<b>Mid-Term</b> <ul style="list-style-type: none"> <li>• Compound Interest: Further topics</li> </ul>	Chapter 6-8 Chapter 9
Week 9	<ul style="list-style-type: none"> <li>• Compound Interest: Further topics</li> </ul>	Chapter 9 <i>Assignment #3</i> <b>Quiz #3</b>
Week 10	<ul style="list-style-type: none"> <li>• Compound Interest: Further topics</li> </ul>	Chapter 9 <i>Assignment #3</i> <b>Quiz #3</b>
Nov. 8 <sup>th</sup> – 11 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Fall Break</li> </ul>	No classes
Week 11	<ul style="list-style-type: none"> <li>• Ordinary Annuities: PV &amp; FV</li> </ul>	Chapter 10 <i>Assignment #4</i>
Week 12	<ul style="list-style-type: none"> <li>• Ordinary Annuities</li> </ul>	Chapter 10/11
Week 13	<ul style="list-style-type: none"> <li>• Annuities Due &amp; Deferred Annuities</li> </ul>	Ch. 12 <i>Assignment #5</i> <b>Quiz #4</b>
Week 14	<ul style="list-style-type: none"> <li>• Mortgages &amp; Bonds</li> </ul>	Chapter 14 & 15
Dec. 9 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Review</li> </ul>	All Chapters