



DEPARTMENT OF BUSINESS

COURSE OUTLINE – FALL 2013

BA1050 BUSINESS MATHEMATICS – 3 (3-0-1) UT 60 HOURS

INSTRUCTOR: Doris Hoveland **PHONE:** 780.539.2205
OFFICE: C406 **E-MAIL:** dhoveland@gprc.ab.ca

OFFICE HOURS: Tuesday & Thursday 10:00 - 11:30 or by appointment

PREREQUISITE(S)/COREQUISITE:

Math 20, Math 33 or consent of instructor

REQUIRED TEXT/RESOURCE MATERIALS:

Jerome, F. E., *Business Mathematics in Canada*, Seventh Edition, McGraw-Hill Ryerson, 2011.
Sharp EL-733A 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:

BA1050 is a 3 credit course consisting of 60 hours of instruction.

DELIVERY MODE(S):

BA1050 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:

Professionalism	5%
Quizzes	35%
Midterm	25%
Final Examination	<u>35%</u>
	<u>100%</u>

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, etc.

Grades will be assigned on a Letter Grading System using the following chart:

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	77 – 79	
B	3.0	73 – 76	GOOD
B⁻	2.7	70 – 72	
C⁺	2.3	67 – 69	SATISFACTORY
C	2.0	63 – 66	
C⁻	1.7	60 – 62	
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

STUDENT RESPONSIBILITIES:

- All quizzes, mid-terms and finals will be written as scheduled.
- No rewrites will be given on missed quizzes or midterms.

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:

Week	Topic	Required Reading
September 6	Simple Interest	Chapter 6
September 9	Simple Interest	Chapter 6
September 16	Applications of Simple Interest	Chapter 7
September 23	Applications of Simple Interest Quiz 1	Chapter 7
September 30	Compound Interest: Future Value and Present Value	Chapter 8
October 7	Compound Interest: Future Value and Present Value Quiz 2	Chapter 8
October 14	Midterm	
October 21	Compound Interest: Further Topics and Applications	Chapter 9
October 28	Compound Interest: Further Topics and Applications	Chapter 9
November 4	Ordinary Annuities: Future Value and Present Value	Chapter 10
November 8-11	Fall Break	
November 12	Ordinary Annuities: Future Value and Present Value	Chapter 10
November 18	Ordinary Annuities: Periodic Payment, Number of Payments, and Interest Rate Quiz 3	Chapter 11
November 25	Annuities Due	Chapter 12
December 2	Loan Amortization: Mortgages Bonds and Sinking Funds Quiz 4	Chapter 14 Chapter 15
December 9	Review	