



DEPARTMENT OF Business
COURSE OUTLINE – WINTER 2011
BA 1050: Business Mathematics

INSTRUCTOR: Lori Bombier **PHONE:** 780-539-2711
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OFFICE
HOURS: Tues. & Thurs. 11:30- 12:50

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

REQUIRED TEXT/RESOURCE MATERIALS: Business Mathematics in Canada; Sixth 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.**

Thompson Rivers University, AU, CUC, KUC, AUG, CGA, CMA, PMAC, AAA

GRADING CRITERIA:

| | |
|---------------|-----|
| Quizzes | 30% |
| Mid-Term | 30% |
| Final Exam | 35% |
| Participation | 5% |

Class Participation: 5% 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.

4 Chapter quizzes (7.5% each) will be given throughout the semester.

Grades will be assigned on the Letter Grading System.

Business Administration and Commerce Department

Grading Conversion Chart

| Alpha Grade | 4-point Equivalent | Percentage Guidelines | Designation |
|----------------------|---------------------------|------------------------------|-----------------------------|
| A⁺ | 4 | 94 – 100 | EXCELLENT |
| A | 4 | 90 – 93 | |
| A⁻ | 3.7 | 85 – 89 | FIRST CLASS STANDING |
| B⁺ | 3.3 | 80 – 84 | |
| B | 3 | 76 – 79 | GOOD |
| B⁻ | 2.7 | 72 – 75 | |
| C⁺ | 2.3 | 68 – 71 | SATISFACTORY |
| C | 2 | 64 – 67 | |
| C⁻ | 1.7 | 60 – 63 | |
| D⁺ | 1.3 | 55 – 59 | MINIMAL PASS |
| D | 1 | 50 – 54 | |
| F | 0 | 0 – 49 | FAIL |

EXAMINATIONS:

The Mid-Term will be written approximately at the end of week 7. (Week of Feb. 28th)

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 onto the final exam weighting.**

STUDENT RESPONSIBILITIES:

Grande Prairie Regional College Calendar 2011

Academic Regulations P.44

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 P.47

- **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:

Please refer to pages 49-50 of the College calendar regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.

COURSE SCHEDULE/TENTATIVE TIMELINE:

| <u>Week</u> | <u>Topic</u> | <u>Required Reading</u> |
|-------------|---|-------------------------|
| • 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 |