



**DEPARTMENT OF BUSINESS**

**COURSE OUTLINE – FALL 2013**

BA 1050: Business Mathematics

**INSTRUCTOR:** Jeff Nutting

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**OFFICE:** C423

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**OFFICE**

**HOURS:** TBA

**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 - 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:**

|              |     |
|--------------|-----|
| Assignment 1 | 10% |
| Assignment 2 | 10% |
| Mid-Term     | 35% |
| Final Exam   | 45% |

Grades will be assigned on the Letter Grading System.

**Business Administration and Commerce Department**

**Grading Conversion Chart**

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

**EXAMINATIONS:**

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

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**

- It is the student's responsibility to arrive on time and remain for the duration of scheduled classes and related activities.
- It is the student's responsibility to respect the instructor's right to enforce the attendance requirements for the course.
- It is the student's responsibility to respect the instructor's right to determine the course content, instructional methodology, evaluation procedures and the frequency of evaluation within the guidelines set for the course and approved by the department.
- It is the student's responsibility to respect the instructor's right to set deadlines for assigned work, to expect assignments to be submitted at the times specified, and to establish penalties for failure to comply with deadlines.
- It is the student's responsibility to respect the instructor's right to expect assignments to be neatly presented (typed or, if hand-written, double spaced) with appropriate identification (name, student number, course title).
- It is the student's responsibility to respect the instructor's right to expect that any work submitted by a student is his/her own. It is the student's obligation to know what plagiarism and other forms of cheating are, and to know the consequences.
- It is the student's responsibility to write tests and final examinations at the times scheduled by the instructor or the Office of the Registrar.
- It is the student's responsibility to complete course work and assignments missed when absent. Participation in optional activities such as athletic events or student exchanges, etc. does not reduce the student's academic responsibility.
- It is the student's responsibility to familiarize him/herself with the procedures to be followed when writing College examinations.
- It is the student's responsibility to respect the instructor's right to appropriate classroom deportment by all students. Should a student be disruptive and/or disrespectful, the instructor has the right to take action to exclude the disruptive student from learning

### **STATEMENT ON PLAGIARISM AND CHEATING:**

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

[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.” The definition of excessive absences in this class will be more than 6.

## **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<br>FV & PV                | Chapter 8                      |
| • Six              | FV & PV Continued                           | Chapter 8                      |
| • Seven            | Compound Interest<br>Further Topics         | Chapter 9                      |
| • Eight            | Ordinary Simple Annuities                   | Chapter 10                     |
| • Nine             | Ordinary Simple Annuities<br>Continued      | Chapter 11                     |
| • Ten              | Ordinary Annuities                          | Chapter 11                     |
| • Eleven           | Annuities Due and Deferred<br>Annuities     | Chapter 12                     |
| • Twelve           | Amortization of Loans and<br>Bond Valuation | Chapter 14&15                  |
| • Thirteen         | Review                                      | All Chapters                   |