



# Grande Prairie Regional College

## School of Business

### Department: Business Administration and Commerce

COURSE OUTLINE – WINTER 2007

### BA1050 3(3-0-1) UT Business Math and Statistics

**Instructor** Gwen Hoyseth

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**Office** Monday and Wednesday

**Hours** 11:30-1:00

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#### **Prerequisite(s)/corequisite(s):**

Math 20 or Math 33

#### **Required Text/Resource Materials:**

Mathematics of Finance with Canadian Applications (Fifth Edition)

S.A. Hummelbrunner

Financial Calculator. Preferably the Sharp EL-733A

#### **Description:**

This course emphasizes a wide range of mathematical calculations that are commonly used in the business world. Topics include simple interest, compound interest, future and present values, annuities, amortization and bond valuation.

#### **Credit/Contact Hours:**

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

#### **Delivery Mode(s):**

BA1050 consists of 4 hours of instruction per week which will consist of both lectures and in class work.

**Objectives:**

The primary objective of BA1050 is to increase the student's knowledge and skill in the solution of practical financial and mathematical problems encountered in the business community. This course will provide the base for mathematical topics in accounting, finance, and marketing.

**Transferability:**

In conjunction with BA2060, this course provides an exemption for CGA and CMA Quantitative Methods.

Block transfer post-diploma agreements have been made with the following institutions: Athabasca University (including GPRC AU 2+1 and 2+2 Bachelor of Management degree), University of Lethbridge, Lakeland College, Okanagan College, Thompson Rivers' University, and Royal Roads University. Students intending to transfer to a post secondary institution to take advantage of a transfer opportunity are advised to check with the appropriate college/institute for the latest transfer information as acceptance of transfer is at the discretion of the receiving college, and terms are subject to change.

**Grading Criteria:**

Quizzes and Assignments	25%
Mid-Term 1	20%
Mid-Term 2	20%
Final Exam	30%
Participation	5%

Quizzes and Assignments: There will be a short quiz at the end of each chapter as well as various hand-in assignments assigned throughout the term

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 are encouraged.

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>95 – 100</b>	<b>EXCELLENT</b>
<b>A</b>	<b>4</b>	<b>90 – 94</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>

### **Course Schedule/Timeline:**

The following is a tentative course schedule and may be changed by the instructor to meet the needs of the class.

<b><u>Week</u></b>	<b><u>Topic</u></b>	<b><u>Required Reading</u></b>
One	Simple Interest	Chapter 1
Two	Simple Interest	Chapter 1
Three	Simple Interest Applications	Chapter 2
Four	Simple Interest Applications	Chapter 2
Five	Compound Interest FV & PV	Chapter 3
Six	FV & PV Continued	Chapter 3
Seven	Compound Interest Further Topics	Chapter 4
Eight	Ordinary Simple Annuities	Chapter 5
Nine	Ordinary Simple Annuities	Chapter 5
Ten	Ordinary General Annuities	Chapter 6
Eleven	Annuities Due and Deferred Annuities	Chapter 7
Twelve	Amortization of Loans and Bond Valuation	Chapters 8 & 9
Thirteen	Review	All Chapters

**Examinations:**

Midterm 1 will be written upon the completion the simple interest component of the course (Chapter 2) approximately at the end of week 4.

Midterm 2 will be written upon the completion of Chapters 3, 4, and 5, approximately at the end of week 9.

The final exam will be scheduled by the registrar's office.

**\*All quizzes, midterms and finals will be written as scheduled.**

**Statement on Plagiarism:**

The instructor reserves the right to use electronic plagiarism detection services.