



# Grande Prairie Regional College

## School of Business

### Department: Business Administration and Commerce

#### COURSE OUTLINE – Fall 2006

#### BA 1050 3(3-0-1) UT Business Mathematics and Statistics

**Instructor** Lori Palmer

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**Office Hours** Tues & Thurs 10:00-11:30 am

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#### **Prerequisite(s)/co requisite(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**. **No programmable calculators will be allowed during exams.**

#### **Description:**

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

#### **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 BA 1050 is to increase the student's knowledge and skill in the solution of practical financial and mathematical problems encountered in the business community. It also provides a supportive base for mathematical topics in finance, accounting and marketing.

**Transferability:**

In conjunction with BA 2060, 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 the GPRC on-campus 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.

**Grading Criteria:**

Take Home Quizz	10%
Mid-Term #1	10%
Mid-Term #2	40%
Final Exam	40%

Regular class 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>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>

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

<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 Continued	Chapter 5
Ten	Ordinary General Annuities	Chapter 6
Eleven	Annuities Due and Deferred Annuities	Chapter 7
Twelve	Amortization of Loans and Bond Valuation	Chapter 8 & 9
Thirteen	Review	All Chapters

The above is a tentative schedule only.

**Examinations:**

Mid-Term #1 will be written upon completion of the simple interest component of the course approximately at the end of week 4.

Mid-Term #2 will be written upon completion of Chapters 3, 4, and 5, approximately at the end of week nine.

The take home quiz will be assigned towards the end of 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.**

**Statement on Plagiarism:**

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