

**Grande Prairie Regional College**  
**Department of Business Administration**  
**Business Mathematics and Statistics**  
**BA 1050 3(3-0-1)**

<b>Instructor:</b>	Lori Palmer										
<b>Contact:</b>	(780) 593-2711 or <a href="mailto:Lpalmer@gprc.ab.ca">Lpalmer@gprc.ab.ca</a> , Room C406										
<b>Office Hours:</b>	Tuesday and Thursday 10:00 – 11:30 AM or by appointment.										
<b>Required Text:</b>	S.A. Hummelbrunner. <b><u>Mathematics of Finance with Canadian Applications (Fifth Edition)</u></b> . Toronto: Prentice Hall (2001).										
<b>Prerequisite:</b>	Math 20 or Math 33										
<b>Transferability:</b>	In conjunction with BA 2060 (Statistics for Business), this course provides an exemption for CGA and CMA Quantitative Methods. As well it transfers to Math 244 at Athabasca University. Also transfers to University of Lethbridge, Royal Roads University, and Thompson Rivers University as part of a 2-year block transfer.										
<b>Required Tools:</b>	Financial calculator. Preferably the <b>Sharp EL-733A</b> . <b><u>No programmable calculators will be allowed in exams.</u></b>										
<b>Course Description:</b>	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.										
<b>Course Format:</b>	BA 1050 consists of 60 hours of instruction. Tuesday and Thursday 8:30am – 9:50am consists of lecture and Friday 1:00pm – 1:50pm consists of lab work.										
<b>Course Evaluation:</b>	<table><tr><td>Quizzes and Assignments</td><td>25%</td></tr><tr><td>Mid-Term #1</td><td>20%</td></tr><tr><td>Mid-Term #2</td><td>20%</td></tr><tr><td>Final Exam</td><td>30%</td></tr><tr><td>Participation</td><td>5%</td></tr></table>	Quizzes and Assignments	25%	Mid-Term #1	20%	Mid-Term #2	20%	Final Exam	30%	Participation	5%
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**Class Participation:** 5% of the final grade will be attributed to participation and attendance in class. In order to get the most out of this class, regular attendance and active participation is encouraged.

\*There will be unit quizzes given following the completion of each chapter as well as two mid-term examinations both worth 20% of the final grade. The first mid-term will be held tentatively during the week of Oct. 10-14<sup>th</sup> and the second mid-term will be tentatively held during the week of Nov. 21-25<sup>th</sup>. The final exam, worth 30% of the final grade, will be scheduled during examination week by the registrar's office.

### **Course Outline**

- Simple Interest
- Simple Interest Applications
- Compound Interest
- Ordinary Annuities
- Other Annuities
- Amortization of Loans
- Bond Valuation

**\*The instructor reserves the right to change, or cancel, any of these dates and topics.**