BUS110, Business Mathematics

3 credits, 3 hours lecture

Course Description

Students will cover (a) a review of basic algebra, ratio and proportion and linear systems; (b) the mathematics of Business Management including the calculation of depreciation, discounts, simple interest and mark-ups; and (c) the mathematics of finance which includes compound interest, future value, present value, annuities, amortization, bond valuation, sinking funds and discounted cash flows. It is expected that two-thirds of the course will focus on item (c). An emphasis on the use of word problems and small case studies will be stressed to bring the real world usefulness of the material to light.

Pre and Co-requisites

Math 30-1/Math 30 Pure or Math 30-2/Math 30 Applied

Course Learning Outcomes (CLOs)

Upon successful completion of the course, the student shall be able to:

CLO1 Solve problems involving simple interest and partial payments.

CLO2 Determine trade discounts, cash discounts, mark-ups, and mark-down.

CLO3 Apply ratios, proportions, and percentages to solve a variety of business problems.

CLO4 Analyze and solve problems involving the time value of money and compound interest using formulae and a financial calculator.

CLO5 Analyze and solve annuities and their applications to loans, bonds, investments, and mortgages using formulae and financial calculator.

Evaluation

Assessment Type	Percentage
Participation	5%
Assignments	25%
Quizzes	30%
Midterm Exam	20%
Final Exam	20%
Total	**100%**

Course Completion Requirements

Minimum passing mark of 50% or D is required.

Grading Scale

4.0 Grade Scale	Alpha Grade	Percentage Grade
4.0	A+	93-100
4.0	A	85-92.9
3.7	A-	80-84.9
3.3	B+	77-79.9
3.0	B	74-76.9
2.7	B-	70-73.9
2.3	C+	67-69.9
2.0	C	64-66.9
1.7	C-	60-63.9
1.3	D+	55-59.9
1.0	*D	50-54.9
0.0	F	0-49.9

Land Acknowledgement

We respectfully acknowledge that Keyano College is on Treaty No. 8 Territory, the ancestral and traditional territory of the Cree, Dene, and Métis people.

Review Date: March 4, 2024

Every effort has been made to ensure that information in this course outline is accurate at the time of publication. Keyano College reserves the right to change courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.