

(MATH 1210) Business Mathematics

Course Description

This course is designed to introduce and reinforce the mathematical skills needed to understand, analyze, and solve mathematical problems in business and financial situations. Topics covered will include algebraic expressions, systems of linear equations, logarithmic and exponential functions, simple and compound interest, annuities, and amortization. Applications will be emphasized within these topics.

Learning Objectives

By the end of this course, students will be able to:

- Determine the appropriate mathematical approaches needed to solve business problems.
- Apply basic mathematical operations including addition, subtraction, multiplication, division, fractions, decimals, and percentages to solve business and financial problems.
- Evaluate and solve problems dealing with discounts, markups, markdowns, and margins, simple and compound interest.
- Apply the principles of simple and compound interest to solve problems in financial applications including loans, mortgages, and annuities.
- Solve, graph, and interpret linear systems and non-linear relationships in business situations.
- Construct and interpret amortization schedules for practical financial purchases.

Grade Scheme: Letter Grade

Minimum Pass: 50%

Credit Weight: 3 Credits

Deliverables:

- Discussion Postings
- Homework Assignment
- Mid-Term Exam
- Final Exam

* Please note that this document is for marketing purposes and that the details of the course including grading, assessments and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%