

Course Title	BUSINESS MATHS
Course Code	MAT 102
Course Purpose and Objectives	The purpose of this course is to explain the application of mathematics in different business situations. Students will learn how to process and interpret information and come to logical conclusions using business math applications. This course provides knowledge on elementary arithmetic, algebra, insurance, statistics, taxation and computer maths application.
Learning Outcomes	<ol style="list-style-type: none"> 1. Explain the basic arithmetic, equation and percentage mathematics through practice and application. 2. Apply the basic mathematical concepts, finance, insurance, statistics, and taxation as well as consumer mathematic applications. 3. Demonstrate basic knowledge and skill in business mathematics and elementary statistics by accurately performing common business computations, statistical data presentation and analysis. 4. Explain the various interest and bank discounts and interpret the practices associated with annuities, sinking funds and amortization. 5. Apply concepts learned to a variety of in-class and case study exercises.
Course Content	<ul style="list-style-type: none"> • A Review of Arithmetic Techniques • Using Equations • A Review of Percentages • Indices • Logarithmic function • Basic statistics-Frequency Distributions • Standard Deviation • Graphs • Taxes (Sales Tax, Property Tax) • Insurance (Fire Insurance, Motor-Vehicle Insurance, Life Insurance) • Calculate costs, selling prices, markups and markdowns of goods • Simple Interest • Bank Discount • Multiple Payment Plans • Compound Interest • Annuities, Sinking Funds and Amortization