

BA 104 : BUSINESS MATH

Transcript title

Business Math

Credits

3

Grading mode

Standard letter grades

Total contact hours

30

Lecture hours

30

Prerequisites with concurrency

MTH 060 (or higher) or minimum placement Math Level 10.

Course Description

Designed to equip students with skills to handle everyday arithmetic problems relative to a business environment and lay the foundation for other business courses including computer classes that use basic business math as examples and assignments. Topics include ratio, proportion, percent, interest, time value of money, markup and discounts, payroll, stocks and bonds, and depreciation.

Course learning outcomes

1. Express and manipulate numbers effectively to solve business problems.
2. Compute trade and cash discounts, including markups and markdowns, using whole numbers, fractions and decimals.
3. Determine inventory values, calculate depreciation of assets, and create financial statement ratios using appropriate accounting methods.
4. Calculate simple interest, compound interest, present value, net present value, and internal rate of return using methods that meet professional business standards.
5. Use the appropriate statistical terms to summarize and clarify business data.

Content outline

- Whole Numbers and Decimals
- Fractions
- Equations
- Percent
- Trade and Cash Discounts
- Markup and Markdowns
- Checking Accounts
- Payroll
- Simple and Compound Interest
- FV/PV Formulas
- FV/PV Calculator
- Sinking funds, Annuities and More

- Installment Loans and Credit
- Home Ownership and Mortgage Loans
- Stock/Bonds
- Cash Flows NPV/IRR ARP Calculator
- Financial Statements
- Inventory
- Depreciation
- Insurance
- Statistics

Required materials

Required textbook and specified calculator.

General education/Related instruction lists

- Computation