

## **Business Math 2**

MTHH010058

Credits: 0.5 units / 5 hours

### **Course Description**

In this course students will study loans, credit cards, taxes, saving and borrowing money, stocks, bonds, insurance, basic statistics and graphs and profit and loss. Students focus on developing mathematical skills. Case studies are used extensively so that concepts are related to everyday business and personal situations. Any basic-function or business calculator may be used with this course. Students will need access to a scanner to submit the projects for this course electronically.

NOTE: Schools may grant credit in either Mathematics or Business.

### **Graded Assessments**

6 Unit Evaluations; 3 Projects; 3 Proctored Progress Tests

### **Course Objectives**

When you have completed the materials in this course, you should be able to:

1. Calculate property taxes rates, using market or assessed values by using various rates, mills and cents on a dollar.
2. Compute sales tax on sales that include taxable and nontaxable items.
3. Compute FICA taxes paid by both you and your employer.
4. Understand how to calculate the amount of money you owe or what your refund will be on your federal or state income taxes.
5. Evaluate the benefits and expenses of life insurance and health insurance.
6. Be familiar with basic types of property insurance coverage and how premiums and coverage are determined.
7. Determine interest, account balances, and early withdrawal penalties for regular savings, CDs, and other personal banking accounts and investments.
8. Find the rates of interest and other expenses involved in paying promissory notes and installment loans.
9. Understand the benefits and total costs of using credit cards.
10. Evaluate investments in stocks and bonds.
11. Determine profit or loss from real estate investments.
12. Understand the roles of probability and statistics in business.
13. Use graphs and statistics to analyze and organize business data.
14. Calculate a number of different costs related to operating a business.
15. Figure depreciation on business property.
16. Find trade discounts and rates and the markup or markdown of items.
17. Use a balance sheet and other business tools to determine profit and loss in a business.
18. Understand the distribution of income from partnerships and corporations.

## Course Outline

### Unit 1: Paying Taxes

- Lesson 1 Property and Sales Taxes
- Lesson 2 Taxes on Income
- Unit 1 Evaluation
- Project 1

### Unit 2: Insurance

- Lesson 3 Life and Health Insurance
- Lesson 4 Property and Automobile Insurance
- Unit 2 Evaluation
- Progress Test 1

### Unit 3: Saving and Borrowing Money

- Lesson 5 Saving Money
- Lesson 6 Promissory Notes
- Lesson 7 Loans and Credit
- Unit 3 Evaluation
- Project 2

### Unit 4: Investments

- Lesson 8 Bonds
- Lesson 9 Stocks
- Lesson 10 Real Estate Investments
- Unit 4 Evaluation
- Progress Test 2

### Unit 5: Business Analysis and Costs

- Lesson 11 Central Tendency and Probability
- Lesson 12 Graphics and Statistics
- Lesson 13 Calculating Costs
- Unit 5 Evaluation
- Project 3

### Unit 6: Business Profit and Loss

- Lesson 14 Wholesale Discounts and Retail Sales
- Lesson 15 Determining Profit and Loss
- Lesson 16 Balancing Profit and Loss
- Unit 6 Evaluation
- Progress Test 3

## Required Textbook and Materials

(available through Follett virtual bookstore at <http://highschool.nebraska.bkstr.com>)

Textbook: *There is no additional textbook required for this course*

TI-30XA Calculator

*Business Math 2* MTHH010058 (print course) is the print version of the online course content and is **optional** for this course.