

NC 661: BUSINESS MATHEMATICS

Citrus College Course Outline of Record

Heading	Value
Effective Term:	Fall 2022
Credits:	0
Lecture Hours :	36
Lab Hours:	0
Hours Arranged:	0
Outside of Class Hours:	72
Strongly Recommended:	Intermediate English language, math, and comprehension skills.
Transferable to CSU:	No
Transferable to UC:	No
Grading Method:	Non-Credit Course

Catalog Course Description

The Business Mathematics course introduces students to understanding the ways of managing the finances of a business and in one's own personal life, including budgeting and money management, banking and credit, saving and investing. This class provides valuable information on how to use math in everyday business and personal finance. It teaches how to manage one's financial resources effectively for financial security. Students are taught the fundamentals of savings, payroll, taxes, problem solving, and innovation through the use of applied mathematics. 36 lecture hours.

Course Objectives

- Add and subtract fractions.
- Calculate decimals and fractions as percentages.
- Adjust business equations, ratios, forecasting, and formulas.
- Comprehend electronic banking, checking accounts, check registers, checking services, and credit-card transactions.
- Calculate gross earnings: wages, salaries, piecework, and commissions.
- Learn Social Security, Medicare, and other taxes.
- Process invoice and cash discounts: ordinary dating methods.
- Understand markdown, turnover, and valuation of inventory.
- Study basics of simple interest and find principal, rate, and time.
- Calculate markup on cost and selling price.
- Cipher compound interest and interest-bearing bank accounts and inflation.
- Determine annuities and retirement accounts.
- Understand stocks, mutual funds, and bonds.
- Tally property taxes, life and homeowners insurance.

Major Course Content

1. Small Business Taxes
2. Small Business Payroll
3. Small Business Product or Service Costs
4. Small Business Pricing Strategies

5. Small Business Investment Strategies
6. Business Plans: Understanding the Metrics
7. Small Business Inventory Write Downs
8. Small Business Profitability
9. Small Business Insurance Considerations
10. Small Business Projecting and Evaluating Financial Performance
11. Small Business Cash: Lifeblood of the Business
12. Using Equity, Debt, and Gifts in Small Business
13. Recognizing Your Small Business Needs
14. Small Business Considerations

Suggested Reading Other Than Required Textbook

Materials supplied and/or created by the instructor (e.g., PowerPoint and Voice thread presentations, handouts, videos, websites, and other documents)

Examples of Required Writing Assignments

Paragraph(s) on application of learned theories to personal work setting

Examples of Outside Assignments

Role-play project and in-class online presentations

Instruction Type(s)

Lecture, Online Education Lecture