



SYLLABUS

CATALOG DESCRIPTION

A practical business mathematics course to include the following: whole numbers, word problems, fractions, decimals, banking, percentages, portion formula, trade/cash discounts, purchasing/pricing merchandise, payroll, simple interest, compound interest, present value, installment buying, revolving charge credit cards, mortgages, balance sheet, income statement, depreciation, inventory and overhead, sale/excise/property taxes, life/fire/auto insurance.

Prerequisites: MATH-150 or appropriate Math Accuplacer score.

Semester Offered: All

Common Student Learning Outcomes

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...

BROAD AND SPECIALIZED LEARNING

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION

Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

Course Learning Outcomes

Upon successful completion of the course, the student will be able to...

1. Learn terminology common to basic math.
2. Learn to solve business math problems with and without the calculator.
3. Create solutions using applicable equations for personal and business situations.

Specific Learning Outcomes:

Upon successful completion of the course, the student will be able to...

1. Apply basic math operations on numbers, equations, and in calculating percentages.

2. Use computational skills to solve word problems related to common business and personal situations.
3. Evaluate business performance using calculated rate of percent increases and decreases of various factors.
4. Apply basic math skills (such as percentages, decimals, and fractions) as required in all applications.
5. Solve problems related to trade and cash discounts and understand how these discounts affect business decisions, costs, and cash flow strategies.
6. Calculate the cost, selling price, and changes of merchandise through markups based on both cost and selling price.
7. Calculate figures involved in simple interest and simple discount applications.
8. Perform calculations dealing with the borrowing or lending of monies.
9. Perform calculations required for establishment of annuities & sinking funds.
10. Given scenarios, determine best financial course of action integrating learned skills.