Dakota College at Bottineau Course Syllabus

Instructor: Tamara Wintermute
Course Title and Number: BOTE 108 Business Mathematics, 3 credits
Required text: *Business Math*, Cleaves and Hobbs 8[8h] ed.
Prerequisite: None

Course Description:

This course covers mathematical fundamentals with emphasis on business applications and problem solving. The course links mathematics with business practice as students apply mathematics to business concepts.

Relationship to School Theme:

BOTE 108 relates to technology through the use of calculators and computers. It relates to nature by using mathematics to solve human relations and business problems.

Course Objectives: Students will be able to

Develop an understanding of numbers (General Education Goal #2, #3, #4)
Demonstrate appropriate pricing methods (General Education Goal #3)
Analyze business financing (General Education Goal #5, #7)

Course Content:

1. Whole Numbers
2. Fractions
3. Decimals
4. Banking
5. Equations
6. Percents
7. Business Statistics
8. Trade and Cash Discounts
9. Markup and Markdown
10. Payroll
11. Simple Interest and Simple Discount
12. Consumer Credit
13. Compound Interest, Future Value, and Present Value
14. Annuities and Sinking Funds
15. Mortgages
16. Depreciation
17. Inventory
18. Insurance
19. Taxes
20. Financial Statements
21. Stocks and Bonds

Course Requirements/Evaluation:

Students will be graded on practices, quizzes, and tests. Each chapter will have a practice assignment worth 15 points. Students must earn a 50% or better on a practice exercise before taking the related quiz. Each chapter has a quiz worth 20 points. Tests cover four chapters of material and are scheduled every two weeks. Tests are open for only a few designated days.