

Louisiana Delta Community College
Academic Affairs Master Syllabus
Date Approved or Revised: Dec. 2006

Course Name: Business Mathematics

Course Number: Math 114

Text: Mathematics with Applications, 8th Edition
(Lial/Hungerford)

Lecture Hours: 3

Lab Hours: 0

Credit Hours: 3

Course Description: This course is designed to introduce students to business applications in mathematics. Topics covered will include finance, economics, and statistics. Not designed for transfer.

Prerequisites: Math 105/110

Co-requisites: None

Learning Outcomes:

On completion of this course, the student will be able to:

1. Solve linear equations and use their applications to understand topics such as simple interest compounding, commissions, discounting, percentages, linear regression, and demand/supply curves.
2. Solve quadratic equations and use their applications to understand topics such as max/min problems, cost/revenue functions, and quadratic regression.
3. Solve exponential and logarithmic equations and use their applications to understand interest compounding and basic finance
4. Use descriptive statistics to analyze data and solve basic probability problems.

Assessment Measures:

These learning outcomes will be assessed by 3 tests (each worth 25%) given throughout the semester. A test will be given for each of the 3 sections of the course: finance, economics, and statistics. A final paper/presentation will also be required of the students and will count 25% of the final grade. Homework will be assigned and covered for each of the learning outcomes listed above.