

Louisiana Delta Community College Academic Affairs Master Syllabus

Date Approved: _____

Revised: October 2007

Course Name: College Algebra

Course Number: Math 105

Lecture Hours: 5 Lab Hours: 0 Credit Hours: 5

Textbook, Author, and Publisher: College Algebra Essentials 2nd ed, Blitzer, Prentice Hall

Course Description: Quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers and theory of equations.

Prerequisites: MATH 099 or placement in MATH 105.

Co-requisites: None

Suggested Enrollment Cap: 24

Learning Outcomes:

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

Analyze basic real world situations and develop a mathematical strategy to resolve the problems dealing with:

- Rational Expressions
- Complex Fractions
- Rational Equations
- Systems of Equations
- Systems of Inequalities
- Radicals
- Functions
- Complex Numbers
- Exponential Functions
- Logarithmic Functions

Assessment Measures: The learning outcomes will be assessed by a comprehensive departmental final exam.

- Instructor created exams and/or homework
- Departmental final exam