

## Math 102: College Algebra Fall 2007 (17538)

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**Text:** *College Algebra* Second Edition by Michael Sullivan

**About the course:** Math 102 is the algebra portion of pre-calculus. Together with Trigonometry (Math 104) it is designed to prepare students for a rigorous study of Calculus. In Math 102, students should learn to represent, understand and interpret mathematical information symbolically, graphically, and numerically. They should develop mathematical models of real-world situations and use those models to make predictions, drawing conclusions, checking whether results are reasonable, and finding optimal solutions. They should demonstrate procedural fluency in algebra as well as an understanding of the nature of mathematical reasoning. The objectives for this class will be assessed by written examinations, homework and quizzes. Topics include functions, polynomial and rational functions, exponential and logarithmic functions, zeros of polynomials, systems of equations and inequalities, matrices, linear programming and sequences and series. The prerequisite for Math 102 is a passing score on or an exemption from the ELM or Credit in Math 093.

**Calculator:** You do not need a calculator for this class. In fact, calculators will not be allowed on quizzes, midterm exams, or the final exam.

**Material:** see calendar for details.

**Attendance** is an essential part of this course. Attendance means being on-time and not leaving the classroom before the end of the lecture. *Cell phones and pagers must be turned off.*

**University drop/add policy:** during the first three weeks of class, students can drop a class through SOLAR; after week four, a partial withdrawal is normally not permitted. I cannot drop students, so it is your responsibility to drop the class if you do not intend on finishing it. **The last day to**

**add/drop is Friday, 9/14.**

**Exams:** There will be three in-class tests, and a comprehensive final exam. There will be no makeup tests. All exams are closed book. (In case of an emergency, contact me immediately.)

**Final Exam:** The common 102 final will be on Friday, December 14 from 9-11am.

**Homework:** The due date for each homework assignment will be specified on the day of the assignment. No late homework is accepted.

**Grades:** The course grade will be determined as follows:

10% – webwork/homework

15% – quizzes

45% – midterm exams

30% – final exam

Final grades will be assigned according to the following percentage ranges:

A 91-100

B 81-86

C 70-76

A- 90

B- 80

D 55-69

B+ 87-89

C+ 77-79

F below 55

**This is a math class. It takes hard work and effort to pass.**

All this information is subject to change.