

Math 103 60

Instructor: Edward J Reiser

Text Book: Algebra for College Students. Gustafson / Frisk

Course Description: Math 103 is a continuation of Math 102. In this course we will cover the following material, equations of lines, equations of circles, Pythagoras's Theorem, distance formula, rational expressions, functions, complex numbers, quadratic formula, systems of equations, and conic sections. We will cover most of chapters 6,7,8,10, and 13.

Homework : Homework will be assigned and collected, just to make sure that it has been completed. The Midterm and Final questions will be based on homework problems. Homework is worth 10% of your grade.

Quizzes: At the end of most classes we will have a quizz based on the lecture. These quizzes will also count as an attendance record. Quizzes are worth 20% of your grade.

Midterm: At the end of the fifth or sixth week we will have a midterm exam. It will be worth 30% of your grade.

Final: On the last day of class we will have a cumulative final exam. There will be two parts to the exam. A take home part and an in class part. The final exam is worth 40% of your grade.

Class Philosophy: The only way to study mathematics is by doing mathematics. Therefore, in order to be successful in this course it is very important that the student does their homework. My lectures will be very similar to the material in the book. I basically elaborate on the author's explanations with additional examples. After we are done discussing a given section the student should read that section. Most problems in the book are very similar to the examples. If you can understand the example you can usually solve the problem. Mathematics is a beautiful and useful subject with many applications in physics, biology, technology, business, etc. Throughout the class I will try to point out these applications. I hope you enjoy the class