

CHAMINADE UNIVERSITY COLLEGE ALGEBRA MATH 103

INSTRUCTOR: Dr. Tony Russo e-mail: trusso@pixi.com

CREDITS: 03

TIME/DAY/RM.: 0900 – 0950, MWF, H 102

OFFICE: TBA

OFFICE HOURS: 1000 – 1200 MWF

TEXTBOOK: *Algebra for College Students*; Gustafson and Frisk; 6th edition

OVERVIEW

Mathematics 103 is designed as an introductory college course . It is assumed that the student has had some exposure to high school math, Math 102 or equivalent. The course will be taught with an emphasis on applied mathematics. These applications will serve the student well , not only in math and science disciplines, but in other disciplines as well.

“Success seems largely a matter of hanging on after others have let go” William Feather, Author/Editor

EVALUATION OF STUDENTS

Four term exams, each worth 100 pts., will be given on announced dates. A comprehensive final exam (120pts.) will be given during final exam week. Quizzes (10 – 15 minutes) will be given frequently. When given, they will always be on Fridays during the last 15 minutes of class. Two quizzes will be dropped from grade evaluation at the end of the course. **There are no make-up quizzes.** You can miss two without penalty. **There are no make-ups for any exams.** However, if serious problems arise, a make-up may be given. **The instructor must be notified before the scheduled exam that a make-up is needed; not after or during the day of the exam. To discourage frivolous excuses, verification (in writing) of sickness, health, military duty, or other problems will be needed by the instructor.**

The total points accumulated will be summed from quizzes, term and final exams. The grade evaluation (% of total pts.) is as follows:

> 88%	A
78 – 87%	B
65 – 77%	C
56 – 64%	D
< 56%	F

It is a fact that, normally, those students who come to class regularly, do better than those who don't. Don't be late for class; **turn off all electronic devices.**

COURSE CONTENT

CHAPTER 1	BASIC CONCEPTS (Review). Exponents Scientific Notation Using equations to solve problems Finding Area and Volume of Geometric Figures
CHAPTER 2	GRAPHS, EQUATIONS OF LINES, FUNCTIONS Graphing of linear equations 2.1 – 2.3 Writing equations of lines Intro. to functions 2.4 Graphing non-linear functions (Circle 12.1)
CHAPTER 3	SYSTEMS OF EQUATIONS Solutions by graphs 3.1 Determinants 3.5
CHAPTER 4	INEQUALITIES Linear inequalities 4.1 2 variable inequalities 4.3 - 4.5
CHAPTER 5	POLYNOMIALS Multiplying polynomials 5.3 (also 6.7) Factoring 5.4 – 5.8
CHAPTER 6	RATIONAL FUNCTIONS Simplifying rational expressions 6.1 Operations on rational expressions 6.4 – 6.6
CHAPTER 7	RADICALS Operation on radicals; applications 7.1 – 7.5 Radical equations 7.6
CHAPTER 8	QUADRATIC FUNCTIONS Quadratic formula 8.1 Graphs of quadratic functions 8.2 The Discriminant & Equations in quadratic form 8.5
CHAPTER 10	EXPONENTIAL AND LOG FUNCTIONS 10.1 – 10.5

EXAM SCHEDULE

<i>FRIDAY SEPTEMBER 19</i>	<i>1ST EXAM</i>
<i>FRIDAY OCTOBER 17</i>	<i>2ND EXAM</i>
<i>FRIDAY NOVEMBER 14</i>	<i>3RD EXAM</i>
<i>MONDAY DECEMBER 1</i>	<i>4TH EXAM</i>

THE FINAL EXAM WILL BE GIVEN ON **MONDAY, DECEMBER 8** FROM 1030 AM TO 1230 PM.

SOME WORDS TO LIVE BY IN MATH CLASS

1. Some things can be taught, but most things must be learned. This means that you must work a lot harder than your teacher because he already passed his math classes.
2. Learning math is like typing and dancing; the more you practice the better you get.
3. Algebra is 99% sweat and 1% brains. Start sweating.
4. If you aren't doing well in math it's probably because of something you didn't do rather than something your instructor did.
5. Instead of whining, do more math problems.
6. Most asked question by math students of their professor: "What can I do to get a better grade?" Answer: "Study harder". Extra credit is for wimps.
7. Read the book; that's why it was written. People actually learn something from reading.
8. Study with others; two brains are better than one.
9. Your instructor will do everything he can to be a good teacher; help him out by being a good student.
10. Have a good time; pretend math is fun.
11. The only person you need to talk with in class is your instructor; he can hear you fine when you speak. You don't need a cell phone, **turn them off**.
12. If you get a bad grade, don't get upset.....10 years from now no one will give a damn.