

CHAMINADE UNIVERSITY
MATHEMATICS 102:
ALGEBRA
SYLLABUS
WINTER TERM
MONDAY, WEDNESDAY, FRIDAY
11:00-12:00
1/11-5/14

11g

Instructor: Mr. Scott Powell, M.A.T.

Availability/Contact Information:

Office hours: I will be available 30 minutes before class during break and after class. Of course if you need to see me at some other time please make arrangements.

Contact phone number(s): My home phone and fax number is 732-4207. If I am not available you can leave voice mail. I also can be reached on my cell phone at 383-6034 can also leave voice mail.

E-Mail: I have three different e-mail addresses.
dspsport@juno.com
dpowell@hpu.edu
Yet to be determined.

Course Description: The algebra covered will include: factoring, solving equations and inequalities, solving systems of equations, rational and radical expressions and equations and using the properties of algebra throughout the course. The sections to be covered are as follows:

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|------------|--------------------------------------|
| Chapter 1: | Sections 1.1 to 1.7 (quick review) |
| Chapter 2: | Sections 2.1 to 2.7 |
| Chapter 3: | Sections 3.1 to 3.8 |
| Chapter 4: | Sections 4.1 to 4.8(4.8 is optional) |
| Chapter 5: | Sections 5.1 to 5.5, 5.7 |
| Chapter 6: | Sections 6.1 to 6.3 |

Chapter 7: Sections 7.1 to 7.4(7.4 is optional)

Chapter 8: Sections 8.1 to 8.5, 8.7

Chapter 9: Sections 9.1 to 9.4

Course Objectives:

The student should:

1. Solve any linear equation in one variable.
2. Solve any quadratic equation with real roots.
3. Perform the four operations on any real numbers, any algebraic expressions and radicals.
4. Graph any linear equation and any linear inequality.
5. Solve several types of word problems that result in linear or quadratic equations.

ADMINISTRATIVE MATTERS:

1. **Required Text:** Beginning Algebra by Gustafson and Frisk.
Brooks/Cole Publishing Company 1995 4th ed.
2. **Classroom/Homework:** Classroom time will consist of a lecture, class discussion and some group work. It is expected, as usual, that you spend a minimum of 2 hours on homework for every hour in class. Homework will be a part of your grade and will help you have something to think and reflect on each day so that discussions will be that much more fruitful.

3. **Grading Policy:**

Course Requirements:

Exam 1	15%
Exam 2	15%
Final	30%
Homework	20%
Participation	5%
Attendance	7%
Quizzes	8%

Grading Scale

A = 90-100%
B = 80-89%
C = 70-79%
D = 60-69%
F = < 60%

4. **Attendance**-- Attendance is expected for each individual taking this course. Unless there is a truly compelling reason, students should be present, on time and willing to stay the entire period of time. Attendance will be factored into your grade.(Not only as a actual percentage but also if your not there you can't participate can you?).

5. **Participation and Assignments**-- Attached are assignments and test dates. For each chapter, you should read the chapter and associated questions at the end of the chapter. Quizzes and exams will often include questions similar to end of chapter questions. Unannounced quizzes may be given on the material assigned for that day. Participation is very important. It is a chance to hear different viewpoints as well as give feedback to the instructor and fellow classmates. It is factored in as a part of your grade.

6. **Other course procedures/information**-- Group work and presentation will be assigned periodically throughout the semester. Groups will probably be your choice. Homework will be collected every week or so and returned promptly. The assignments will be either from the book or of my making. A scientific calculator is required.

7. **Make-up tests/exams**-- Make-up tests are not given unless there is an extreme reason for it. If you do have to make up a test a 10% penalty may be assessed. Students should make every effort to attend each class and complete all assignments within the scheduled time frame.

8. **Academic Honesty**-- Academic honesty is expected of all students at Chaminade University. Any student who cheats on an academic exercise(includes all form of work submitted for points, grades, or credit), lends assistance to others, or who hands in, as a completed assignment, work that is not his or her own, will be penalized.

MATH 102 ASSIGNMENT SHEET

<u>Class Session</u>	<u>Date</u>	<u>Topic</u>
1	1/11	Introduction
4	1/20	Real Number properties
* *	1/18	Martin Luther King Jr. Holiday No Class
5	1/22	Quiz #1(chapter 1)
8	1/29	Quiz #2(Chapter 2) Linear Equations
14	2/12	Exam #1(Chapters 1-3)
* * *	2/15	Presidents Day Holiday No class
18	2/24	Factoring Polynomials
20	3/1	Special Factoring
22	3/5	Rational Expressions
26	3/15	Graphing of Lines
28	3/19	Exam #2 (chapters 4-6)
36	4/12	Systems of equations
39	4/21	Radicals
44	5/4	Final Exam(Chapters 1-8+)