Chaminade University of Honolulu
2002 Spring Term
January 14-May 10, 2992

Course: Math 102-2 Introductory Algebra
Location: E201
Time: 11-12:20 TR
Instructor: Dr. James W. Miller
Communications: Office: 735-4811
Home: (808) 521-1634
55 South Kukui Street #1908
Honolulu, HI 96813
Email: jmiller@chaminade.edu
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Office Hours: 10:30-12:00 MWF
Additional times by appointment

I. Textbooks (Req): Gustafson, David and Frisk, Peter D
Beginning Algebra, Fifth Edition
Pacific Grove (CA): Brooks/Cole Publishing Co., 1999.

II. Textbooks (Rec): TBD

III. Other Requirements: Notebook. Scientific Calculator is recommended.

IV. Course Description: Introductory algebra course to prepare students for MA103. Topics to be covered include:

1. Real numbers and their basic properties,
2. Linear equations and inequalities,
3. Systems of linear equations,
4. Polynomials,
5. Factoring,
6. Rational expressions,
7. Roots and radicals
8. Equations of lines in the plane,
9. Quadratic Equations

V. Course Intent: The intent of the course is to provide for students the opportunities to build foundations of the principles of algebra, which may assist them in growing their academic backgrounds and building their areas of specializations.

VI. Course Objectives:

A. For each of the topics in the required textbook, gain a working understanding appropriate to an academic background and to fields of specialization.

B. In addition, a course objective is to provide for each student the repertoire of algebra sufficient to score well above the mean in such tests as the MCAT.

C. In addition, a course object is to provide for each student command over the concepts of algebra and the methods of algebraic problem solving.

D. In addition, a course objective is to provide each student with an awareness of the implications of the principles of mathematics to comprehend issues that occupy the national and international scientific stage.

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VII. Course Format: Each class session will contain three parts:
Current assigned topic
Clarifications of previous topics
Problem solving strategies.

VIII. Requisite:

IX. Prerequisite:

X. Course Requirements:

Attendance
Participation
Homework
Quizzes
Problem Sets
Two one-hour exams
Final Exam (Wednesday, May 8, 2002, 8:00 - 10:00 am)

XI. Grading System:

Attendance/ Participation/ Homework:	10%
Chapter Quizzes Problem Sets	30%
First Hour Exam	15%
Second Hour Exam	15%
Final Exam	30%
Total for Final Grade	100%

Grading Scale:

A	90-100 %	Outstanding scholarship and excellent intellectual initiative with the coursework.
B	80-89%	Superior quality done in a consistent intellectual manner with the coursework
C	70-79%	Satisfactory grade showing competent understanding of the course work.
D	60-69%	Lowest passing grade but not sufficient to fulfill prerequisite work.
F	59% and lower	Unsatisfactory understanding of the coursework; no credit given.
I		Grade is not automatic. Grade deferred. Student did not complete work because of circumstances beyond his control. Student must enter into a contract with the instructor to complete work within time certain.

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Math 102-2

	Dates	Topic	Chap	Page	Sections	
1	T 01/15	Real Numbers	1	1	1, 2	
2	Th 01/17				3, 4	
3	T 01/22				5, 6, 7	
4	Th 01/24	Equations and Inequalities	2	92	1, 2	
5	T 01/29				3, 4, 5	
6	Th 01/31				6, 7	
7	T 02/05	Graphing	3	166	1, 2	
8	Th 02/07				3, 4	
9	T 02/12				5, 6	
10	Th 02/14				7,	
	FIRST HOUR EXAM (CH 1-3)					
11	T 02/19	Polynomials	4	260	1, 2, 3	
12	Th 02/21				4, 5	
13	T 02/26				6, 7	
14	Th 02/28				8,	
15	T 03/05	Factoring Polynomials	5	338	1, 2, 3	
16	Th 03/07				4, 5, 6	
17	T 03/12				7, 8	
18	Th 03/14	Proportion/Ratios	6	402	1, 2	
19	T 03/19				3, 4	
20	Th 03/21				5, 6	
	Spring Break					
21	T 04/02				7, 8	
22	Th 04/04	Roots/Radicals	7	485	1, 2	
23	T 04/09				3, 4, 5	
24	Th 04/11				6, 7	
25	T 04/16	Lines	8	554	1, 2	
26	Th 04/18				3,	
27	T 04/23				4,	
28	Th 04/25	Quadratics	9	608	1, 2	
29	T 04/30			654	3, 4	
30	39 Th 05/02		Review			
	Final Exam (Wednesday, May 8, 2002, 8:00 - 10:00 am)					