

CHAMINADE UNIVERSITY of HONOLULU

MA 103 : Fall 2013 :

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TEXTBOOK Blitzer, Algebra for College Students, 7th ed. Prentice Hall.

COURSE DESCRIPTION. Algebra knowledge and skills for college studies: Sets and real number system; exponents and polynomials, rational and radical expressions; equations and inequalities with applications, including rational and radical equations, and systems of equations; introductions to analytic geometry and functions; exponential and logarithmic functions; the binomial theorem and integer functions. Fulfills Track B general education requirement in mathematics. MA103 may be used as a preparative course for the pre-calculus/calculus sequence required for degrees with upper division math requirements, such as biology, forensic sciences and biochemistry. Not open to students with credits in MA 110, MA 210, or other higher numbered mathematics courses. Offered every semester. Prerequisites: MA 102 or placement.

COURSE FORMAT. Classes will consist of presentation of algebraic principles and problems with opportunity for you to try practice problems and ask questions during the class time. You are encouraged to participate in class discussions and to ask and answer questions.

HOMEWORK. The only way to learn algebra is through practice. Study the examples in the text book, and do the assigned homework. No grades will be given for homework. Some of the homework problems may appear on quizzes and exams.

SUPPLIES: Notebook paper, straight edge, graph paper , calculator (scientific at least)

ATTENDANCE. Attendance in class is crucial to your success in this course. Should you miss a class, please obtain the missed material from a classmate. There will be no make-up quizzes. Make up exams will only be given with proper documentation. One week of missed classes will result in a reduced grade. Please read the University Catalog regarding additional attendance policies.

EXAM SCHEDULE. There will be three non-comprehensive exams (100 points each) and one final comprehensive final exam (200 points).

COMPREHENSIVE FINAL EXAMINATION. You must take the final examination in order to pass the course.

QUIZZES. Pop or announced quizzes will be given throughout the semester. These quizzes are intended to reward students who keep up with the class work. The lowest quiz grades will be dropped.

METHOD OF DETERMINING FINAL COURSE GRADE

Three term exams @ 100 points each	300 points
Pop quizzes	100 points
Comprehensive Final Exam	<u>200 points</u>
TOTAL	600 points

Grades will be assigned to the following scale:

A (90%-100%)	540-600 points
B (80%-89.9%)	480-539 points
C (70%-79.9%)	420-479 points
D (60%-69.9%)	360-419 points
F	below 360 points

COURSE SCHEDULE*

<u>Week</u>	<u>Chapter</u>	<u>Topic</u>
1	1	Algebra, Mathematical Models, and Problem Solving
2	2	Linear Equations and Functions
3	2	Linear Equations and Functions
Monday 16 September: <u>Exam 1 (Ch 1-2)</u>		
4	3	Systems of Equations
5	4	Absolute Values, Linear Inequalities
6	4	Linear Programming
7	5	Polynomials
Wednesday 16 October: <u>Exam 2 (Ch 3-5)</u>		
8	6	Rational Expressions
9	6	Rational Expressions
10	7	Radicals and Rational Exponent
11	7	Radicals and Rational Exponents
Wednesday 13 November: <u>Exam 3 (Ch 6-7)</u>		
12	8	Quadratic Equations
13	8	Quadratic Equations
14	9	Exponential and Logarithmic Equations
15	9	Exponential and Logarithmic Equations

*Schedule is subject to change, with notice.

Music Devices and Cellphones: Use of music devices and cell phones is prohibited during all Natural Science and Mathematics classes at Chaminade, unless specifically permitted by your instructor. Use of cellphones and music devices in laboratories is a safety issue. In addition, use of cellphones and music devices in any class is discourteous and may lead to suspicion of academic misconduct. Students who cannot comply with this rule will be asked to leave class and may be subject to laboratory safety violation fines. Please refer any questions to the Dean of Natural Sciences and Mathematics.

ADA Accommodations: Students with special needs who meet criteria for the Americans with Disabilities Act (ADA) provisions must provide written documentation of the need for accommodations from the CUH Counseling Center (Dr. June Yasuhara; phone 735 4845) by the end of week three of the class, in order for the instructor to plan accordingly. Failure to provide written documentation will prevent your instructor from making the necessary accommodations. Please refer any questions to the Dean of Students and review the procedures at http://www.chaminade.edu/student_life/sss/counseling_services.php