CHAMINADE UNIVERSITY: MA 103 COLLEGE ALGEBRA

Instructor: Dr. Torrance L. Trevorrow

Class Times: M,W,F as scheduled

Office Hours: Before or after class, or by arrangement Some Saturday sessions will be made available.

Email: All email should be via torrance.trevorrow@adjunct.chaminade.edu. If for any reason the server is unavailable then the instructor may be contacted via arithmetic+math@gmail.com

Text Book: <u>Algebra for College Students</u> Seventh Edition by R. David Gustafson and Peter D. Frisk. Brooks/Cole Publishing Company, ISBN 0-534-46387-8.

Course Description: (From the catalog) 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 equations containing rational or radical expressions and systems of equations; beginning analytic geometry and functions; exponential and logarithmic functions; the binomial theorem, and progressions. Fulfills Track B general education requirement in mathematics. 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.

Prerequisites: Students should have the skills required from MA100, MA102. A pre-test will be given and students redirected if necessary.

Course Goals: To improve student skills in reading, interpreting, and communicating mathematics using numeric, analytic and graphical methods. This course will place an emphasis on increasing the student's mathematical skills and knowledge as it pertains to algebra and algebraic systems as outlined below.

Course Objectives: At the completion of this course the student should be familiar and demonstrate competency with the following concepts and topics.

Using equations to solve problems	Graphing Linear Equations, Writing equations of lines	Solving by Graphing, Elimination, Using Matrices
Linear Inequalities, Linear Programming	Polynomials and Functions, Factoring, Greatest Common Factor	Rational Functions, Proportion, Variation, Complex Fractions, Dividing Polynomials.
Radical Expressions, Applications, Radical Equations and Complex Numbers.	Solving Quadratics by completing the square, quadratic equation, graphs of quadratic functions, other non-linear	Exponential and Logarithmic Functions, equations and graphing, Other Topics

Methodology: Most of your learning will come from meticulous study of the text, homework assignments, class participation and a research project/presentation. Multiple quizzes, discussions, and articles will be used to reinforce learning. You will have the opportunity to learn through careful presentation of assigned work, as well as from other students contributions.

Success: All courses require a high degree of personal responsibility and time management skills. Grades tend to be proportional to the effort that is taken for the learning process.

Universities often recommend 2-3 hours of study time for each hour of class time. A three credit course would require about 12 hours per week for study, research, reading, and assignments.

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Grading:The contributions of various components of the course are indicated as percentages. Changes may be made to the course content and grading at the instructor's discretion.

Track I: Quizzes 40%, Class Assignment 10%, Final Exam 50%
Track II: Quizzes 40%, Service Learning Project 20%, Final Exam 40%

A   90% + Outstanding Scholarship and excellent initiative with course
B   80% + Superior Quality done in a consistent intellectual manner
C   70% +   Satisfactory showing competent understanding of course
D   60% + Lowest passing grade, inadequate for prerequisites
F   0-59% Unsatisfactory understanding and course work

Attendance: Attendance is vital to your success. I can not teach you if you are absent. Each student is accountable for the information presented in class. If you miss a class find a colleague for class notes and handouts. Attendance is recorded and points are deducted for lateness or absence.

Guidelines from the undergraduate catalog indicate that if you miss more than a week of classes (3) you are are subject to a grade reduction; missing two weeks of classes (6) will result in notification to the Associate Provost and Records office, and possible withdrawal. Should an illness or personal reasons necessitate continued absence the student should officially withdraw.

Academic Integrity: All material submitted in fulfillment of course requirements must be done by the registered student. Cut and paste research, copying, or sharing exams will result in a grade of zero and possible failure for the course.

Supplies: Text Book, 3 Ring Binder (6 dividers), Ruler, Graph paper, Calculator (discussed in class). Points deducted for non-compliance. A PDA or Cell Phone or Text Device is not to be used for course work.

Resources: The text and class materials are the primary resources for the course. Often re-reading (several times) will help more than searching for other material. Videos reflecting course work have been placed in the library. Chaminade also has an excellent tutoring center.

Requirements: You are required to **immediately** seek clarification on any material that you do not understand. You are expected to maintain standards of academic performance and courtesy and to comply with all CUH policies. Class time is Math time; arrange personal conversation for after the class period.

No active electronic devices or food in class (excluding calculator). Water only, is permitted if in capped bottle and authorized by room designation. Any disruptive behavior or violations will result in negative points added to your final and possible expulsion from class (subsequent occurrence possible withdrawal from course).

University dress code should be followed: modest attire reflecting a professional attitude for an academic environment.

Class starts on time, you should have your books open and be ready to learn.

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Finals:Specific information will be provided towards the end of the semester. Usually the final is written, closed book, no notes, calculator permitted. Formulas are normally provided.

Notes: Write any supplemental information provided first day of class.