Course   Outline

Prof. Abe Mirza   **Course**: Math 12 (College Algebra)

Email: **amirza@sierracollege.edu** (In your email start the subject line with **M12A or M12B***)*

Office Hours   MW: 6:20 -6:50 pm

Course Prerequisite: Mathematics D with a grade of "C" or better, or placement by matriculation assessment process. **Proof of prerequisite is needed for an add code**

Text Book: **Text Book (Optional)**: College Algebra, by **Sullivan** (11th edition). Retail cost: $163.20
Mymathlab **(Recommended):** 9780136483151 Retail cost: $92.85

Class website: http://amirza.sierracollege.edu/math12/ No access code is needed

YOU NEED TO GO TO MY WEBSITE,
1) **PRINT** COURSE MATERIALS, **Watch** the sections **PowerPoints**.

COURSE DESCRIPTION
Exponents, radicals, complex numbers, factoring, linear and quadratic equations and inequalities; linear, quadratic, exponential and logarithmic functions; graphing, and systems of equations.

STUDENT PERFORMANCE OUTCOMES

Through homework assignments, quizzes, exams, projects and classroom discussions, the student will:
   Simplify expressions and solve equations of the following types: linear, quadratic (including some with complex solutions), rational, radical, absolute value, exponential,.

   Interpret and construct graphs of quadratic, rational, exponential, logarithmic functions,.

   Translate, model, and solve applied problems utilizing linear, quadratic, rational, radical, exponential, logarithmic functions, and matrix algebra.

   Logically present clear, complete, accurate, and sufficiently detailed solutions to communicate reasoning and   demonstrate the method of solving problems.

   Apply techniques from linear algebra and combinatorics.

A scientific calculator may be used in class and on some quizzes and tests. **Use of a graphing calculator or cell phone is NOT allowed** on quizzes or tests. A straight edge and graph paper is required. Math should never be done in ink; use pencil for homework and all assessments.

Required Material: Please bring your textbook to class each meeting**.** A scientific calculator and be sure you have its manual and know how to use it. Regular Graph Paper. Scantron 882E (15 sheets) and 815E (20 sheets)

Accommodations: If you need accommodations for a disability please let me know

Attendance Requirements: I expect each student to be fully prepared to participate in each class session. It has been shown to benefit you. This is a college. You are here voluntarily. **IF YOU WILL BE ABSENT MORE TWO SESSIONS, YOU MAY BE DROPPED FROM THE CLASS WITHOUT ANY NOTICE.
COMING LATE OR LEAVING EARLY WILL BE CONSIDERED AS A HALF ABSENCE.**

It is your responsibility to follow the proper procedures, in a timely manner, if you decide to withdraw. Acquaint yourself with the dates for withdrawing and any associated financial requirements as detailed in the school catalog. The instructor may drop students for not attending class. Such drop is purely within the discretion of the instructor, if you decide not to continue at any time, you must officially withdraw, do not count on, nor ask the instructor, to drop you. At the end of the semester, the instructor MUST issue a grade to all students listed on the final roster.

An "**excuse**" is an official document from either your physician or the school Health Center attesting to your inability to attend class on the meeting date(s) in question.

Homework: Homework are posted on class website. They are chapter homework and each one weighs 20 points. Doing and understanding the HW problems will be very beneficial in doing well on the tests.. **NO LATE HW WILL BE ACCEPPTED**.

Quizzes: Occasional quizzes will be given throughout the term. Each quiz will be worth 10 points. Quizzes are open notes and open book. Some of these may be done in small groups. Quizzes will be base on the homework and **may be not be made-up**.

Tests: There will be some chapter tests and a final examination. Each test is worth 100 points. **There will not be a make-up for any test**, so if by any unexcused reason you miss one test, you will be receiving a score of zero for it.

The <u>tentative</u> grade distribution. The actual numbers of test may vary. Your grade will be determined as follows:

Quizzes	= 2020 points	or maybe more
Homework (10x20)	= 180 points	The lowest HW score will be dropped
Tests (7x100)	= 700 points	
Final Exam	= 100 points	

Total Points	= 1200 points	or maybe more

Grading Policy:
At the end of the semester, points from quizzes, tests, and the final will be totaled and grading will be based on the percentage of points you have accumulated as follows:

A   -------->   90% - 100%   of possible points
 B   -------->   80% -   89%   of possible points
  C   -------->   70% -   79%   of possible points
   D   -------->   60% -   69%   of possible points
    F   -------->   0% -   59%   of possible points

Cheating
The submission of work, which is not the product of a student's personal effort, will not be tolerated. This includes copying off another person's paper during exams and quizzes; copying another person's projects; or copying from a solution manual. Students caught cheating will be given a failing grade. See Sierra College Board Policy No. 5515 (Honesty in Academic Work) in the student handbook.

Amendments: I reserve the right to alter this syllabus to conform to Sierra College Policies, state law, or to improve the quality of education offered by the class. Any changes will be announced in class.

CRITICAL DATES

Start Date: 27-JAN-2020	Last Date to drop without a "W": 09-FEB-2020
End Date: 23-MAY-2020	Last Date to drop with a "W": 17-APR-2020
Last Date to add class: 09-FEB-2020	Census Date: 10-FEB-2020
Last Date to drop with a refund: 09-FEB-2020	Add Auth Expiration: 09-FEB-2020