Math 110
College Algebra

Location: F9  Instructor: Yan Tian  Office: NS 355G
Section: 70250  Email: ytian@palomar.edu
Days: M, W, F  Phone: 760-744-1150 extension 2806
Time: 11 - 12:10 p.m.  Website: http://www2.palomar.edu/users/ytian/

Office Hours
Math Center (E2): M: 4-8pm
MWF 10-10:50am NS 355G
TTh 9:20-10:20am NS 355G

Textbook  College Algebra, by John Coburn (3rd)

Scope of Course
This course is a study of the behavior and characteristics of functions from graphic, numeric, analytic and applied perspectives, including polynomial functions, exponential and logarithmic functions, and sequences, system of equations in several variables with emphasis in matrix solutions.

Both graphing (TI-83 or equivalent) and scientific calculators are required for this course. No graphing calculators that are capable of symbolic calculations are allowed.

Students should plan on studying a minimum of 8 hours per week, outside of the classroom, for this class.

Please visit my website for Homework Assignments, Syllabus, and other review materials.  http://www2.palomar.edu/users/ytian/

Student Learning Outcomes
Students will be able to analyze and solve precalculus level problems using analytic methods and be able to sketch the graphs of precalculus level functions.

Course Objectives
Successful students will be able to:

- Analyze the behavior of a function given a numeric, graphic, or analytic representation
- Apply the concept of average rate of change for selected functions.
- Identify and apply relationships between graphic, numeric, analytic, verbal, representation of functions.
- Analyze, solve and interpret solutions to problems involving system of equations in several variables.
- Solve application problems using various functions and interpret the solutions
- Identify and apply principles of algebra manipulation to write expressions and equations in alternative forms
- Apply critical and mathematical reasoning skills necessary in algebraic problem solving and related area of endeavor
Grading Policy

Homework Assignments:  20%
Homework is assigned daily. Homework is due on the day that the test is given. Papers are to be stapled. Chapter and section numbers are to be written on the top of each page. Graphs are to be done on graphing paper with appropriate scales and labels, and to be attached to the proper questions. All work needs to be shown. Answers without work shown are not acceptable.

In-class Assignments and projects  10%
In-class assignments will be given throughout the course. These assignments will reflect current learning subjects and reinforce new concepts. Each project needs to be completed on time. Both participation and contribution are necessary for group projects.

Tests:  50%
Each test is closed-book and closed-notebook. All work needs to be shown in order to earn full or partial credit. The lowest test score will be dropped at the end of the semester. **No make-up tests will be given.** Most of tests are given with scientific calculators only. Any use of any mobile communication/audio device, during an exam, will result in zero point on that exam. Students must complete and turn in at least half of the homework in order to take tests.

Final Exam:  20%
The final exam is a comprehensive written exam.

Total percentage: >90:A; 80-89:B; 70-79:C; 60-69:D, <60: F

Attendance
Please notify the instructor if you are going to be absent. Two or more consecutive unexcused absences could result in student being dropped. Students may be dropped at any time if 25% of classes have been missed. **Students may be dropped if not doing homework or not taking a test without reasonable excuses.**

Dishonor
Students caught violating the Palomar Community College policy on academic integrity will meet with the consequences of that policy. (300.3)

Students with Disabilities
Please meet me to discuss testing accommodations.

Find Help
- Visit the instructor during the office hours or make an appointment with the instructor
- Visit Mathematics Learning Center to get free tutoring
- Visit the library’s tutoring center to get free tutoring
- Visit the STEM Center (NS-312)