Math 135  
PreCalculus

Section: 31279  
Instructor: Yan Tian  
Office: NS 355G

Days: M, W, F  
Email: ytian@palomar.edu

Time: 7:20–8:45 a.m.  
Phone: 760-744-1150 extension 2806

Location: NS 259  
Website: http://www2.palomar.edu/users/ytian/

Office Hours  
M-F: 11-12 noon, NS355G  
Tu: 12-1pm; Th: 6-8pm; Math Center

Textbook  
College Algebra and Trigonometry (8th), Afumann Barker Nation

Prerequisite  
A minimum grade of 'C' in MATH 115 or eligibility determined through placement

Scope of Course  
This course is designed for students who intend to take calculus. It emphasizes study of the behavior and characteristics of functions from graphic, numerical, analytic, and applied perspectives. Includes trigonometric functions, general polynomial functions, rational functions, exponential functions, logarithmic functions, absolute value functions, functions with rational exponents, and sequences. Selected topics from analytic geometry and linear systems are also presented.

The second part covers trigonometry including: triangles, trigonometric functions; inverse trigonometric functions; trigonometric equations and identities, applications of trigonometry, vectors and laws of cosine and sine; polar functions and notation.

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 10 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 need to demonstrate proficiency in the graphing of functions and solve equations involving algebraic and transcendental functions at the precalculus level.

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
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 unacceptable. Please attach a cover page with your name, class number and sections numbers of the assignments and completion percentage.

**In-class Assignments and projects: 10%**  
In-class assignments and projects will be given throughout the course. 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.** 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 2-hour 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**  
Cheating may result in a grade of “F” for the test or the course. 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 during the first week.

**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)