INTRUCTOR INFORMATION

Instructor:	Craig Chamberlin	**Office:**	F-5
Office Hours:	1:15-3:40 pm M, 1:15-3:00 pm W	**Phone:**	(760) 744-1150 x3276
Email:	cchamberlin@palomar.edu		
Web page:	http://www2.palomar.edu/users/cchamberlin		

COURSE DESCRIPTION

Text: You need Webassign online access which comes with the ebook, *Algebra and Trigonometry* 8th ed, by Aufmann and Nation.

Prerequisites: Grade of "C" or better in Math 115 or eligibility determined through the math placement process.

Course content: Chapters 2-11

Course objectives:
1. Analyze the behavior of a function given a numerical, graphic, or analytic representation.
2. Conceptualize and apply the notion of average rate of change for functions.
3. Analyze, solve, and interpret solutions to trigonometric equations.
4. Analyze, solve, and interpret solutions to problems involving systems of equations in several variables.
5. Identify and apply principles of algebraic manipulations necessary to simplify algebraic expressions and to solve problems that are represented algebraically.
6. Use knowledge of different functions and strategies to develop solutions for a variety of realistic application problems.
7. Use trigonometric functions to develop solutions to realistic application problems and interpret the results in the context of the problem.
8. Select and employ appropriate graphic, numerical, or analytic methods to solve equations and inequalities, including those involving absolute value, polynomial expressions, expressions with rational and negative exponents, and rational expressions.
9. Apply critical thinking and quantitative reasoning skills to mathematical problem solving.

Course SLO: Solve equations involving algebraic and transcendental functions at the precalculus level.

BASIS FOR EVALUATION

	% OF POINTS	LETTER GRADE
1. Four in-class tests will be 65% of your grade.	90-100	A
2. Homework/quizzes will be 10% of your grade.	80-89	B
3. A comprehensive final exam will be 25% of your grade.	70-79	C
	60-69	D
	0-59	F

COURSE INFORMATION

Calculators: You need a graphing calculator to successfully complete this course. However, calculators that perform symbolic calculations (like the TI-89) and cell phone calculators are strictly prohibited on tests. I recommend TI-84 Plus.

Homework: Homework will be done online using *Webassign*, which is required.

Class work: I often assign problems that are to be completed in class. Sometimes I collect the class work and grade it as homework.

Work load: Most students should spend at least 10 hours per week studying outside of class.

Tutoring: You can get additional help at the Mathematics learning Center, located in MC-1.

Make up: No one may make up tests or quizzes without an institutional excuse or a doctor's note. Late homework is accepted with a 10% deduction in your score.

Absences/tardies: Regular, on-time, attendance is expected and necessary for successful completion of this course. A student with more than three unexcused absences/tardies may be withdrawn from class at my discretion.

Withdrawal: It is the responsibility of the student to withdraw from a class. Note that Sunday, March 29 is the last day to withdrawal for a grade of "W."

Disabled Students: If you require accommodations for a disability, please let me know and contact Disabled Student Programs & Services at extension 2375.

Academic Integrity: Students are expected to adhere to the Palomar College Code of Conduct. Cheating will not be tolerated, and an offender will earn a score of 0 on the relevant work.

Tentative Weekly Schedule

Week Starting Dates (Mondays)	Activities
Jan 27	Pythagoras 1, Pythagoras 2, 5.2, 5.3
Feb 3	5.4 part 1, 5.4 part 2, 5.5, 5.6
Feb 10	5.7, 6.1, 6.2 (Holiday Friday)
Feb 17	(Holiday Monday) 6.3, 6.4, **Test 1**
Feb 24	6.5, 6.6, 7.1
March 2	7.2, 7.3, 7.4, 7.5 part 1,
March 9	7.5 part 2, **Test 2**, 11.1,
March 16	11.2, 11.3, 11.5
March 23	**Spring Break!!!**
March 30	3.1, 3.2, 3.3, 3.4
April 6	3.5, 4.1, **Test 3**
April 13	4.2, 4.3, 4.4, 4.5
April 20	4.6, 8.1, 8.2, 8.3, 8.5
April 27	8.5, **Test 4**
May 4	9.1, 9.3, 10.1, 10.2
May 11	10.3, 10.4, 9.4, 9.5
May 18	mop up, **Final Exam**