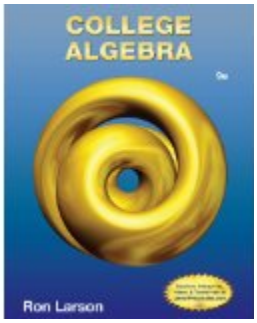
Course Syllabus

Math 110 — College Algebra	**Office: None**	**Section 34185**
Professor Tim Busken	**Phone: None**	**T—TH., 5:00—6:50 pm**
Email Address: tbusken@palomar.edu	**Office Hours: None**	**ESC–501**
Course Home Page: timbusken.com		**Break 6:50—7:00 pm**

Textbook: (Required) College Algebra 9e, Ron Larson.
ISBN: 978128590095, Publisher: Brooks/Cole.



Final Exam Date: Tuesday, May 13th, 6 – 7:50 p.m.

Grading:

Homework	15%
Exams	60% (15% each)
Mandatory Final Exam	25%

Blackboard: Blackboard is a website that allows you see your grades as they appear in my gradebook. I use blackboard to email the class, so please sure that your correct email address is registered with eservices/blackboard if you plan to receive an email response from me. Here is the url: learn.palomar.edu/webapps/login/ Your login and password information (first-time users) is the same as the login and password you use for eservices.

Course Description: Study of the behavior and characteristics of functions from graphic, numeric, analytic and applied perspectives, including general polynomial functions, rational functions, exponential and logarithmic functions, and sequences. Systems of equations in several variables with an emphasis in matrix solutions.

Student Learning Outcomes:

1. Analyze functions from a numeric, graphic or analytic perspective, and use functions in solving application problems.
2. Analyze Polynomial functions, find their real and complex zeros graphically and/or analytically, and use these concepts in solving application problems.
3. Analyze Rational functions, find their zeros and asymptotes graphically and/or analytically, and use these concepts in solving application problems.
4. Analyze Exponential and Logarithmic functions and use them in solving application problems.
5. Analyze the graphs of parabolas, ellipses and hyperbolas, their foci, eccentricity and directrix, and use them in solving application problems.

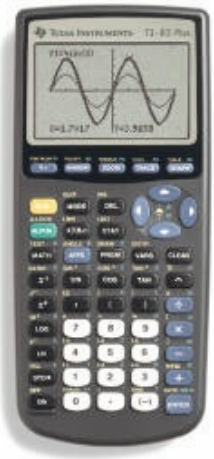
6. Solve systems of linear and nonlinear equations analytically and/or graphically and use them in application problems.

7. Use the concepts of matrices and determinants in solving systems of linear or nonlinear equations.

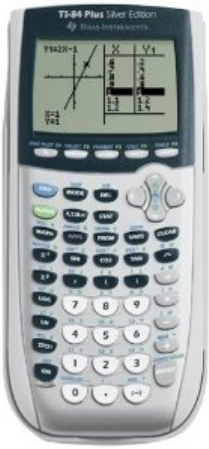
8. Analyze the elementary sequences or series analytically and/or graphically, and use them in solving application problems.

9. Apply the Binomial Theorem to expand whole number powers of binomials.

10. Apply critical thinking and quantitative reasoning skills to mathematical problem solving and related areas of endeavor.



TI–83



TI–84

Seven Tips for Success in Your Math Class

1. Come to class every day, on time
2. Take notes in class
3. Ask questions! This will slow me down!
4. Attempt ALL the homework ASAP after class.
5. Check all your answers in back of the book
6. Get help in office hours, from a tutor, or from a friend.
7. Be POSITIVE!

Calculator: Any scientific or graphing calculator will work. **It is your responsibility to bring your calculator to all on-campus exams and classes.** Students may not share calculators during exams. Bring your text and calculator to every class, in case we need to use them. Phones will not be allowed.

Exams: There will be **no makeup exams**. If you miss an exam due to unavoidable circumstances, and you have notified me in advance, then your final exam score will be substituted for the missed exam. If you miss more than one exam, the score of those missed exams will be zero. All exams count towards the final grade, no exams will be dropped.

Academic Integrity Cheating is considered fraud. If you are caught cheating, you may be given a grade of "F" for the assignment or exam. Students should be familiar with the college's Statement on academic integrity.

Homework: Homework will be assigned from out of your math textbook and will make up 15% of your total grade. Homework is always due on the first class meeting which occurs after each exam.

A subset of the assignment will be graded. In addition, your homework will be graded for the following four attributes: *Presentation, Completeness, Accuracy and Structure* of the communicated solutions to each question. (It is not required to write out each homework question statement.) Maxing out the number of *presentation* points you get from your homework depends on how you organized your work. Can I clearly tell what sections of homework you did and which sections are which? Did you remember to use a pencil? Are the steps to each homework question solution clearly written on your paper for each question? Does it look like you just copied the solution and didn't show the work?

The list of homework problems can be found on the last page of this document and on the online version of this syllabus at your course website. You should not expect satisfactory results without attempting problems on a daily basis. You should spend at least 3-6 hours outside of class for every hour of lecture. I strongly encourage you to work together on homework and to seek extra help from the tutors in the Teaching & Learning Center (TLC.

Classroom Conduct: Class time is valuable. You are expected to be courteous to each other and to the instructor. You will be asked to leave the class for display of behavior the instructor deems as disruptive to the class environment. This includes the use of your cell phone. If you are disruptive in class (after being warned), you could be suspended from the course for up to 2 days. **Comments about another's race, ethnicity, accent, appearance, intelligence, or sexual orientation will not be tolerated on any level.** Students should be familiar with the college's "Student Discipline Procedures."

Class Attendance: Class attendance is an integral part of the learning process for this course. Students are expected to attend class regularly, as well as to arrive and depart on time. Students with excessive absences (including tardiness) may be withdrawn from the class. Note that although college policy provides for a certain number of class absences, that number covers all types of absences, including absences such as those due to documented illness or other emergency; absences for illness or emergencies are not accommodated in addition to those allowable under the attendance policy. Students may be withdrawn after more than two weeks absence of any kind.

Cell Phone Policy: Cell phones, pagers, and other such electronic devices must be turned off during class and lab time. Communication by electronic devices, including but not limited to instant messaging, text messaging, and telephone, during class is strictly prohibited unless expressly designated as part of the learning activities. Use of electronic communication devices during examinations or other graded activities may constitute grounds for disciplinary action. Where emergency or employment situations require access to electronic communication services, arrangements may be made in advance with the instructor. In certain circumstances, (e.g., exams, presentations, etc.), students may be required to temporarily deposit cell phones or other communications devices with the instructor or lab supervisor for the duration of the specific class or activity.

Resources: Keeping up is important, as is getting help if you feel lost. Help is available! The following resources are at your disposal:

1. Study groups - Form a study group with other students in the class. You will find that you can solve harder problems and write better solutions by working together. Discussing ideas with others in a group setting is a good way to improve your own understanding.

2. TLC Tutoring – (Escondido Campus) Palomar College offers tutoring and study group support at the Teaching & Learning Center (TLC). In addition to providing a quiet, comfortable space to work in where you can get tutor help, TLC has three small rooms for group study, wireless internet, computers, printing stations and more

3. Mathematics Learning Center and Computer Lab – (Main Campus) The Mathematics Learning Center provides tutoring on a walk-in basis, computer tutorials for individual practice and review and a group study area. The center is located in room E-2. To use the center you must first enroll in N BASC 202, Class #73567

Academic Accomodation: Any student who may need an academic accommodation should discuss the situation with me during the first week of class. Students with disabilities who may need accommodations in this class are encouraged to contact Disability Resource Center (DRC) early in the semester so that reasonable accommodations may be implemented as soon as possible. Students may contact DRC in person or by phone at 760-744-1150 ext. 2375.

Disruptions: Your demeanor should support and respect the environment of learning inside the classroom. Movement and chitchat in the classroom disrupts your classmates and the instructor. This includes leaving class, coming in late, passing notes, texting and chatting with the person next to you about non-math related topics. It is very important that all students be respectful of those trying to learn. This is as important in the back row, as it is in the front row. Again, I encourage you to ask questions in class. Just know that if you have a question related to the class, someone else is certain to be wondering the same thing. So please ask! Talk/text on your phone and attend to your personal needs before or after - but not during class. When you enter the classroom, turn off cell phones, pagers, and all other communication devices. In times of family crisis, you may set your cell phone on vibrate. If you must arrive late or leave early, take the first seat near the door.

Grading:

90% — 100%	A
80% — 89%	B
70% — 79%	C
60% — 69%	D
below 60%	F

Important Dates

- **Jan. 19th** Last day to add without a permission code.
- **Jan. 26th** Last day to add with a permission code.
- **Jan. 26th** Last day to drop the class with no notation on your record. No instructor signature required. Use Student eServices.
- **Feb. 26th** Last day to register for P/NP grading. No instructor signature required. Use the P/NP form available at the Admissions office.
- **Mar. 15th** Last Day to Drop with a W

Homework List

Guidelines

- Worth 25% of your overall grade.
- HW is always due on the first class meeting which occurs ***after*** each exam.
- EOO means every other odd.
- Put the section number in the top right corner of each page.
- Write your name on the first page of your packet.
- You can write on the front and back of the sheet, but start a new section on a new sheet.
- Please staple your homework before you come to class. A stapler will not be provided in the classroom.

2.2 1,5,11,13,15,23,32,44,45, 49–59 odd, 61c,71,77,81,83

2.3 7,11,13,16,21,23,27,33,38,55,61,71,73,75

2.4 1–10 all, 13,35

2.5 5,6, 11–63 EOO

2.6 5–21 EOO, 35–41 odd, 43,47,51

2.7 7–31 EOO, 37–40, 45,49,55,93

Test 1

3.1 21,29,31,33,43,44,77,79,83

3.3 11–63 EOO, 57

3.4 29,31, 45–53 odd, 55–77 EOO

3.2 15,17,19,21,23,25,28,69,75,76,81,82

3.5 41–65 odd

4.1 5–25 odd

4.2 3–6 all, 19,23,25,31,35,47,55

Test 2

4.3 11–16, 17, 19 23, 25

4.3 51,63,65,67,72,73,76

4.4 21–27 odd, 35,37,49,51,55,61,63,69,71

5.1 7–15 odd, 17,23–29 odd, 35,37,41,51, 53,55,69

5.2 7–75 EOO

5.3 1–81 EOO

5.4 1–61 EOO

5.5 31,33,37,39,43,45,59

6.1 5–41 EOO, 59,61

6.2 13–19 odd, 31–34 all

Test 3

6.3 25,26,29,30,31,32,61

6.4 9–15 odd, 19 25,29,35,41,43,45

6.5 5,11,15, 33–45 odd

7.1 65—71 odd, 89

7.2 5,9,10,29,35,37,39,41

7.3 5,15,17,19,25,45,49,55

7.4 5–11 odd, 39,41,47,63

7.5 7, 13

Test 4

January 2014
Math 110

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9 *Plenary*	10	11
12	13 *Spring Semester Begins!*	14 *Course Guidelines* *Section 2.2*	15	16 *Review* *Section 2.2*	17	18
19	20 *Martin Luther King Jr. Day* *No Class!*	21 *Section 2.2*	22	23 *Section 2.3*	24 *Jan. 26 Last day to drop full semester-length classes with no grade on record*	25
Last day to add semester-length classes with a permission code 26	27	28 *Sections 2.3 & 2.4*	29	30 *Sections 2.4 & 2.5*	31	

February 2014
Math 110

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4 *Sections 2.5 & 2.6*	5	6 *Sections 2.6 & 2.7*	7	8
9	10	11 *Section 2.7 & Review*	12	13 ***Test 1*** *Section 3.1*	14 *Lincoln's Day* *No Class!*	15
16	17 *Washington's Day* *No Class!*	18 *Non-Instructional Day* *No Class!*	19	20 *Sections 3.1 & 3.3*	21	22
23	24	25 *Sections 3.3 & 3.4*	*Last day to change grading status (P/NP)* 26	27 *Sections 3.2 & 3.5*	28	1

March 2014
Math 110

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4 *Sections 3.5 & 4.1*	5	6 *Sections 4.1 & 4.2*	7	8
9	10	11 *Section 4.2*	12	13 *4.3 Review,* ***Test 2*** Last day to drop with a W grade on record	14	15 Last day to drop with a W grade on record
16	17 *Spring Break No Class!*	18 *Spring Break No Class!*	19 *Spring Break No Class!*	20 *Spring Break No Class!*	21 *Spring Break No Class!*	22 *Spring Break No Class!*
23 *Spring Break No Class!*	24	25 *Sections 4.3 & 4.4*	26	27 *Sections 4.4 & 5.1,* ***Test 2***	28	29
30	31					

April 2014
Math 110

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 *Sections 5.1 & 5.2*	2	3 *Section 5.3*	4	5
6	7	8 *Sections 5.3 & 5.4 & 5.5*	9	10 *Sections 6.1 & 6.2*	11	12
13	14	15 *Sections 6.2 & 6.3*	16	17 *Sections 6.3 & 6.4*	18	19
20	21	22 *Sections 6.4 & 6.5*	23	24 ***Test 3***	25	26
27	28	29 *Sections 7.1 & 7.2*	30			

May 2014
Math 110

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 *Sections 7.2 & 7.3*	2	3
4	5	6 *Sections 7.4 & 7.5*	7	8 ***Test 4***	9	10
11	12	13 ***Final Exam*** *6–7:50 pm*	14 *Palomar Final Exam Schedule*	15	16	17
18	19	20	21	22	23	24
25	*Memorial Day* 26	27	28	29	30	31