



# MATH 043 Pre-Calculus III

U20



**Prof.**

**G. V. KRESTAS**

Section: 04, 05 M-R 3-5:15 pm  
Office :  
Phone: (408) 864-8574  
Office Hour: by Zoom appointment  
Website: [profgvk.weebly.com](http://profgvk.weebly.com)  
e-mail: [krestasgeorge@fhda.edu](mailto:krestasgeorge@fhda.edu)

## Course Structure

Lecture, 2.25 hours five days per week for six weeks. This is an intensive and fast moving course,

## Materials

Pencil, eraser, ruler, protractor, and four sheets of SCANTRON Form F-1712-PAR-L.

Text : *Precalculus with Limits, Larson 3<sup>rd</sup> Edition*

## Academic Integrity

De Anza College is committed to the highest standards of academic integrity and honesty. Dishonesty is unacceptable and **will not be tolerated**. You are expected to abide with the ideals of academic integrity and accept personal responsibility for your work. Any infringement may result in an “F” for the class..

## Attendance

**You must come to class prepared and on time!** Regular and punctual attendance, as well as, participation in the learning process is expected.

## Classroom Decorum



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**Learning is your responsibility.** However, you are expected to abide by the institution's Code of Student Conduct. Engaging in behaviors that distract or interrupt the instructor's ability to teach or the students from learning will not be tolerated. Sanctions imposed on violators may vary from a 10-point deduction to being dropped, and/or reported to the Dean of Students (see Sanctions section below).

The following is a partial list of **unacceptable** behaviors:

1. Continued, willful, open and persistent defiance of the authority of the instructor.
2. Inordinate demands for time and attention.
3. Talking, listening to loud music or creating other noisy distractions.

## Assignments (projects, test, quizzes)

Will be on WEBASSIGN..

## Presentation Standards:

Written work is scanned. Therefore, it is imperative that you follow the standards below, to the letter. If the scanner can not read your name, your work will be rejected. Rejected work will be penalized. A sample Heading is posted in my website.

1. Download the assignment, adjust your printer as needed, to print the header.
2. Type or print (all) the header information in **upper case** letters, size Arial 12 or equivalent.
3. College Level quality of work is expected; messy work (Homework, Tests, Quizzes, final, etc.) will not be graded.
4. Work should be in top-down fashion; the answer should be the last statement and should be boxed.
5. Allow one- inch margins on both sides and at the bottom.
6. Use new 20 lb printer-paper and write/type on one side only.
7. If the answer is text only, your paper must be word-processed.
8. Use 2H pencil only; No pen (the scanner can not read ink).
9. Use an eraser to make corrections, no crossing-out.
10. Use an appropriate grid for graphs, label the axes appropriately including key-values and units (per example shown in class)
11. Round answers to two decimal places. If the number is less than one then place a zero before the period (ex. 0.34)
12. Solution methods other than those presented in class are not acceptable.
13. If more than one page, create a PDF file containing all pages.



14. Work that does not conform to these standards will not receive credit, even if the answer(s) is correct.

## Communications: [krestasgeorge@fhda.edu](mailto:krestasgeorge@fhda.edu)

1. I do not have a personal secretary. Therefore, it may take up to 48 hrs for a response.
2. Do not email me asking for my notes or if I said anything "important!" The answer to both is "NO".
3. I welcome suggestions about issues relating to the course.
4. For praise, derision or grumble see "Where to send Fan/Hate mail."

## Contesting Grades

*DO NOT CONFUSE EFFORT WITH RESULTS.* Student earned points are NOT subject to negotiation. Additional credit will only be given in those cases where there is evidence of erroneous Webassign functionality..

1. Contesting requests past the one session deadline will not be accepted.
2. No contests will be accepted at the last day of classes.

## Assessment Method

Several unannounced quizzes given at any time during the class period, one tests, and a comprehensive final given at the last dayof class.

1. No make-ups will be given for any reason.
2. The lowest quiz and homework will be dropped.
3. If you can not take the Final on the scheduled time, do not take the class.
4. **If you miss the final you will get a "0" grade for it.**

## Scale

Homework .....	= <b>10 points</b>	90 points < A-, A, A+ < 100 points
Test(s).....	= <b>30 points</b>	80 points < B-, B, B+ < 89 points
Quizzes .....	= <b>25 points</b>	70 points < C-, C, C+ < 79 points
Final Exam .....	= <b>35 points</b>	50 points < D-, D, D+ < 69 points
Bonus.....	= <b>05 points</b>	0 points < F < 49 points



- *Bonus points are totally on the discretion of the instructor.*
- *The instructor reserves the right to make minor adjustments to the scale.*
- *The instructor cannot guarantee a certain grade to anyone.*
- *Keep all your graded material until the end of the class in case the roster file is lost.*

## Materials

Calculator (no phone during examinations), pencil #2, eraser, ruler, and a batch of #20 lb white paper (printer paper).

## Student Services

Click on the link <http://www.deanza.edu/student-services/> for information about financial aid, childcare, counseling, academic support, disability support, student activities and other services provided by the college.

*Note: Those needing accommodations based on the impact of a disability must contact the Disabled Students Services directly.*

## Office Hours

There is no office hour during the Summer Session. However, periodically, I will announce a Zoom Office hour. Office Hour is intended for students to have a private discussion about their grades or for clarification on a *specific question* about the homework, or the lecture *after* the student has attempted to solve the problem himself and has visited the Tutoring Center for assistance. Office hours are **not intended** as a private tutorial session or for working out assigned or not assigned homework problems.

## Restrictions

Due to the critical importance of the *Copyright* © of materials used and/or presented in class, you may not tape, photograph, or electronically record all or part of the lecture, tests, or quizzes. Violators will be held responsible for any copyright infringement caused by their failure to comply.

## Roster

The roster will be posted at my website every weeks. If there is a discrepancy in your score, notify me immediately. No error will be recognized three days from the posting of the latest roster or after the last day of classes.



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## *Tutoring*

**SSC tutoring links and schedules:** go to the [SSC homepage](#) and click on the yellow link to add yourself to [SSC Resources Canvas](#). Once there, click on Modules then the SSC area for your course.

## *Where to send Fan / Hate Mail:*

**See appropriate tab in my website:** [profgvk.weebly.com](http://profgvk.weebly.com)



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### CALENDAR :

Week	Chapter Section	Homework	Homework
1	Course Intro.	Linear/nonlinear Systems Multivariable linear Systems	7.1.61, 7.3.34
	7.1 7.3		7.5.68
	7.5	System of Inequalities	8.1.70, 8.2.38 8.3.65
	8.1	Matrices + Systems	
	8.2	Matrix Operations	
2	8.3	Inverse of a square Matrix	8.4.57, 8.5.34 8.5.66 9.1.66, 9.1.92, 9.1.107
	8.4	Determinant of a sq. Matrix	
	8.5	Applications of Matrices Sequences & Series	
3	9.1	Arithmetic Sequences-Series Geometric Sequences-Series Induction The Binomial Theorem	9.2.81, 9.3.92
	9.2		9.4.54
	9.3		9.5.34, 9.5.72
	9.4		9.5.90
4	9.5	3-D Coordinate system 3-D Vectors Cross Product Lines-planes in space	11.1.55, 11.1.74
	<b>Test#</b>		11.2.65
	11.1		11.3.56, 11.3.64
	11.2		11.4.67
5	11.3	Parametric Equations Polar Coordinates Graph of Polar Eqs. Polar Eqs. Of Conics	10.6.48, 10.6.66
	11.4		10.6.95
	10.6		10.7.80, 10.8.56
	10.7		10.9.34
6	10.8	Hyperbolic Functions Reading Assignment <b>Review</b>	
	10.9		

Note<sup>1</sup>: Select homework will be collected. Weekly quizzes will be based on the homework.

Note<sup>2</sup>: Grading will be based on neatness and organization, as well as, on correctness

Note<sup>3</sup>: The Final will be given at the time and date defined by the College. See finals exam at the De Anza website. Missing the Final will result in an "F" for the class.

Note<sup>4</sup>: The instructor reserves the right to revise the calendar as needed to cover the material.



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### **Student Learning Outcome(s):**

\*Analyze, investigate, and evaluate linear systems, vectors, and matrices related to two or three dimensional geometric objects.

\*Graph and analyze regions/curves represented by inequalities or trigonometric, polar, and parametric equations, including conic sections.

\*Analyze, develop, and evaluate formulas for sequences and series; Justify those formulas by mathematical induction.