# MATH 1A.22     S23
## Calculus I

## Prof.     G. V. KRESTAS

Time     :     TR 1:30-3:45     Room: MLC 108
Office   :     S75c
Phone:         (408) 864-8574
Office Hour:   TR: 12:30 – 1:20
Website:       profgvk.weebly.com
e-mail:        krestasgeorge@fhda.edu

## Course Structure

Lecture. This is an intensive and fast movng course, requiring significant amount of study and practice for successull completion.

## Materials

1) Text :      Early Transcendentals CALCULUS, by Stewart, Clegg, Watson, 9$^{rd}$ *Edition*
2) **Software:** **Webassign** subscription.
3) Mask:       Masks will be required for attendance in this class.

## Student Learning Outcome(s):
o Analyze and synthesize the concepts of limits, continuity, and differentiation from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.
o Evaluate the behavior of graphs in the context of limits, continuity and differentiability.
o Recognize, diagnose, and decide on the appropriate method for solving applied real world problems in optimization, related rates and numerical approximation.

## Attendance

**You must come to class prepared and on time!** Regular and punctual attendance is expected. Entering the classroom late or leaving before the class is dismissed, besides being rude and inconsiderate behavior for those present, **it disrupts the learning process.** Therefore, late arriving students or those leaving the class at will may not be able to **enter/re-enter** until the break. They will be marked as absent and and/or will be penalized accordingly

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(see "Sanctions" section). The classroom will be locked five minutes after the start time and it will re-open at the break. **Therefore, take care of your physical needs before entering the classroom.**

- <span style="color:red">Wear a Mask</span>
- <span style="color:red">Turn off your cell phones</span>

## Classroom Decorum

**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 aske to leave the classroom, 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. Use of your laptop, phone or any other electronic media device in class unless instructed to do so.

## Assignments (Homework, test, quizzes)

Will be done on Webassign and/or in peron.
Webassign Homework is due at the time posted.

## Communications: krestasgeorge@fhda.edu

1. It may take 24-48 hrs for a response during the week..
2. Email me at: krestasgeorge@fhda.edu
3. On the Subject line write: ***Your Last name, First name, Dxx.xx***
4. Do to copywright restrictions, I do not post my notes.
5. I welcome suggestions about issues relating to the course.
6. For praise, derision or grumble see "*Where to send Fan/Hate mail*" in my website: MY WEBSITE

## Assessment Method

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Several Webassign and/or in-class quizzes and tests. Maximum three tests, and a comprehensive final given at the day and time assigned by the College (see schedule of finals at: http://deanza.fhda.edu).

1. The final is comprehensive.
2. If you can not take the Final on the scheduled time (see Calendar or the De Anza website Finals Schedule), **drop the class**.
3. The examinations may contain T/F, M/C, and fill-in equations in addition or in lieu of solving problems.
4. Examinations are timed and administered at a specific day and time.
5. **If you miss the final you will get an "F" grade for the class.**

## *Grading information:*

The mapping between a numeric grade and a letter grade is given in the table below. Any and all grade questions/disputes must be brought to the attention of the instructor within 10 days from the date the exam, quiz, or homework was returned to the class. Questions regarding the final exam must be brought to the attention of the instructor within 10 days from the date final grades are posted by the College.

## *Contesting Grades*

1. Earned points are NOT subject to negotiation.
2. Only clear evidence of oversight on the part of the instructor will be considered.
3. Explaining what you did wrong does not constitute grounds for a grade change.
4. No contest will be considered after 10 days from the day the item in question was returned.

## *Makeup Requests.*

There are absolutely no makeups. Howevr, with the exception of the final, the lowest of each of the tests, quizzes, and homework will be dropped to take into account any technical or personal difficulties that may have prevented you from submitting your work on time.

# Scale

Homework ...... = **10 points**
Tests ............. = **30 points**
Quizzes ….........= **25 points**
Final Exam .......= **35 points**
Bonus…........... = **05 points**

90 points < A-, A, A+ < 100 points
80 points < B-, B, B+ < 89 points
70 points < C-, C, C+ < 79 points
50 points < D-, D, D+ < 69 points
 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.*

# Sanctions

Sanctions may vary from an oral reprimand to a ten-point deduction or being asked to leave the classroom, see the PSME Dean before being allowed to re-enter the classroom, dropped, and/or being reported to the Dean of Students for farther disciplinary action. For example,

Absence:         -2 pts. (or tardy)
Ringing Phones: -5 pts
Disruption:      -10 pts

# Office Hours

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 with this restriction.

# *Roster*

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The roster will be posted at my website and on CANVAS (Files) every week. If there is a discrepancy in your scores, you should immediately contact me within the week.  No error will be recognized after the next posting or after the last day of classes.

## *Tutoring*

The Student Success Center offers group and individual tutoring free of charge. If you need assistance, do not wait, sign up immediately.

## Academic Honesty:

Cheating is not only unethical, but is a violation of the De Anza College Student Code and College Policy and grounds for your dismissal from the College. You are expected to abide with the ideals of academic integrity and accept personal responsibility for your work.  During exams, protect your work.  Any infringement will disqualify **both** parties.

## Students with Disabilities:

Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and College guidelines.

- ✓ Click on the link  http://www.deanza.edu/studentservices/   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.*

## Mask Requirement:

A mask is required to be worn by all while in the classroom. If you have concerns regarding this topic, please contact the Dean's office. Do not question or confront the instructor or fellow students regarding the need of face coverings. Violators will be askd to leave the classroom.

## Dropping the course:

Withdrawing from the course is the responsibility of the student. For more information regarding this topic, contact the Registrar's office.

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**CALEANDAR** :

| Week | Chapter Section | Sections | Homework |
|---|---|---|---|
| 1 | Course Intro. 2.1 2.2 | Tangent, Velocity Limit of a function | |
| 2 | 2.3 2.5 2.6 | Using the Limits Law Continuity H-Asymptotes | |
| 3 | 2.7 2.8 **Test #1** | Derivatives & Rates TheDerivative as a Function | |
| 4 | 3.1 3.2 3.3 | Derivatives - Polynomials Product – Quotient Rules Derivatives - Trig Functions | |
| 5 | 3.4 3.5 | Chain Rule Implicite Differentiation | |
| 6 | 3.6 3.9 **Test#2** | Derivatives - Log Functions Related Rates | |
| 7 | 3.10 4.1 4.2 | Linear Approximations Max – Min Values The Mean Value Theorem | |
| 8 | 4.3 4.4 | Derivatives - Graphs L'Hospital's Rule | |
| 9 | 4.5 **Test #3** | Curve Sketching | |
| 10 | 4.7 4.8 4.9 | Optimization Newton's Method* Antiderivative | |
| 11 | 10.1 10.2 | Parametic Curves Calulus of Parametric curves | |
| 12 | **Review,  Final: see Finals Schedule at Deanza.edu** | | |

Note: The Instructor reserves the right to revise the calendar as needed.
Optional

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*Evaluate the behavior of graphs in the context of limits, continuity and differentiability.
*Recognize, diagnose, and decide on the appropriate method for solving applied real world problems in optimization, related rates and numerical approximation.

**Office Hours:**

      T,TH  12:30 PM     01:20 PM    In-Person    S75B

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