Math 1A: Calculus   CRN 32715   Winter 2018   Room S56

Time: 9:30 am – 10:20 am   Days: MTWThF

Instructor: Gayathri Chakravarthy

Email: chakravarthygayathri@fhda.edu

Office Hours: Fri 10:30 am – 12:00 pm in S43

COURSE DESCRIPTION Fundamentals of differential calculus. (5 units)

Text: Calculus: Early Transcendentals, 8th Ed.–Stewart

Prerequisites: MATH 43 (with a grade of C or better), or appropriate score on Calculus Placement Test within the past calendar year.

REQUIRED MATERIALS:

 - WebAssign access code

- One three-ring binder for notes, exams, quizzes, and other handouts

 - Graphing calculator (TI-83/TI-83 Plus/TI-84/TI-84 Plus)

 - Pencils, erasers, colored pens, paper, ruler/straight-edge

- Lecture Notes

Homework:

webassign: - https://webassign.com/

You must have an access code and do the assignments on WebAssign to be successful in this course. Therefore it is mandatory that you be an active user of WebAssign. Students who are registered in Math 1A but do not have an account will be dropped. If you need some time to get financial aid or to save up money, you can use the trial period for the first week. - Enter in our class key: deanza
You will be able to access the assignments after each section has been presented in class. They are due at the end of the week. For example, if I assign WebAssign homework on a Monday at 2PM, it must be completed by Friday of that same week by 11:59 pm.

ATTENDANCE: It is essential that you participate and regularly ask questions in order to succeed in this course and your future math courses. Therefore, attendance is required and students are expected to attend all sessions of each class. Attendance may be taken at any point during the class (beginning, middle, or end). If you use your phone/tablet/laptop or any unrelated material, I may ask you to leave and that day will count as an absence. Instructors may drop students from class if they fail to attend the first class meeting, or when accumulated unexcused hours of absence exceed ten percent of the total number of hours the class meets during the quarter. I will drop students who do not attend the first class meeting. You should NOT rely on your instructor to drop you from your course. If you decide to stop attending class, it is your responsibility to drop. Failure to do so will result in a grade of F.

CLASSROOM ETTIQUETTE: - Keep your cell phones on silent and hidden. - To promote a safe and positive learning environment, you are to be respectful to me and to your classmates. Please do not talk during lecture. If you have a question, raise your hand. - Your full attention and participation is expected. - You are required to come to class prepared WITH lecture notes printed out.

MAKE-UPS POLICY: You MUST take the exams and quizzes on the dates listed. There are absolutely no make-up quizzes, homework, or exams. The final exam date and time have been determined and mandated by the college. No early/late final exam may be scheduled. If you know that you are unable to take the final at the date and time above, you must drop the class now.

Grading:

3 Quiz @ 50 pts each = 150

2 Midterms @ 100 pts each = 200

Homework = 50 pts

Final = 100 pts

Total = 500 pts

Grade Boundary:

Quarter grade:	
≥100%	A+
93-99.9%	A
90-92.9%	A-
88-89.9%	B+
83-87.9%	B
80-82.9%	B-
78-79.9%	C+
70-77.9%	C
68-69.9%	D+
63-67.9%	D
60-62.9%	D-
0-59.9%	F

Tutoring. The Math and Science Tutorial Center in Room S43 offers free tutoring on Monday –Thursday from 9:00 am – 5:30 pm and Friday 9:00 am – 12:00 noon. More information can be found here: http://www.deanza.edu/studentsuccess/mstrc/

Disability Statement: De Anza College makes reasonable accommodations for people with documented disabilities. Please notify Disability Support Services (DSS) if you have any physical, psychological or other disabilities, vision, hearing impairments or ADD/ADHD. DSS is located in the student community services building, room 141. Phone number: 408-864-8753.

Tentative Winter 2018 Calculus Math 1A Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1 Jan	8	9	10	11	12
Week 2 Jan	15 **Holiday**	16	17	18	19 **Quiz 1**
Week 3 Jan	22	23	24	25	26
Week 4 Jan/Feb	29	30	31	1	2 **Midterm 1**
Week 5 Feb	5	6	7	8	9
Week 6 Feb	12	13	14	15 **Quiz 2**	16 **Holiday**
Week 7 Feb	19 **Holiday**	20	21	22	23
Week 8 Feb/Mar	26	27	28	1	2 **Midterm 2**
Week 9 Mar	5	6	7	8	9
Week 10 Mar	12	13	14	15	16 **Quiz 3**
Week 11 Mar	19	20	21	22	23
Week 12 Mar	26 **Final Exam Week**	27	28	29	30

<u>Student Learning Outcome(s):</u>

*Analyze and synthesize the concepts of limits, continuity, and differentiation from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.

*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.