CRN (35000) Math 1C-23 Calculus   Academic Term: Winter 2023
Instructor: Bijan Sadeghi   E-Mail: sadeghibijan@fhda.edu
1:30 – 3:45 PM, TTH, Room S16   Office hrs. 12:30 PM-1:30 PM

Textbook: Calculus: Early Transcendental; 8th ed., by James Stewart.
               Your textbook should include a Webassign access code. If not, you must
               purchase one separately.
Prerequisite: Math 1A & 1B or equivalent (with a grade of C or better).

The basic content of this course covers Parametric Equations & Polar Coordinates; Infinite Sequences & Series; Vectors & the Geometry of Space; Vector–Valued Functions. Two of the chapters (Parametric & Vectors) are virtually all algebra, but there is some calculus related to area and arc-length. Sequences/Series is the essential theory of understanding how a calculator/computer computes virtually all the various mathematical functions (logarithms, trig, etc.). Your knowledge of limits is very crucial to this lengthy chapter. Vector-Valued Functions does indeed bring us back to derivatives and integrals.

Keep in mind: many colleges on a semester system have two semesters of calculus to make up a full year of calculus, whereas those schools (De Anza/Foothill, others) on a quarter system use three quarters to make a full year of calculus. Guideline: wherever you begin your calculus sequence is where you should finish that sequence. Transferring between semester and quarter systems during the calculus sequence can create problems of missed material /information.

Attendance: You are expected to attend all class lectures in their entirety. You may be dropped from the class if you are absent two times. Dropping or withdrawal
 From the class is the students' responsibility. A student discontinues coming to class and does not drop will get an "F" grade.
(Prior notification is required to leave class before it is over)

Cheating: Cheating is forbidden. There shall be no talking to, or unauthorized helping of other students, or copying from or looking at another student's paper during exams. A class/course grade of "F" will be given for any of the above infractions.
Homework: All the homework will be done online. Once you have your webassign access code, go to www.webassign.net, log-in and register, and enter Class Code : deanza 7378 1288
Quizzes: In class quizzes (individual work), will be given
Exams: Two exams will be given during the quarter. No Make Ups.
One-half the final exam score will be used to replace the lowest score, if greater.
Final Exam: A two-hour comprehensive final exam will be given on Tuesday, March 21, 2023, 1:45 PM – 3:45 PM. This is a must exam. A grade of "F" will be assigned to those who miss the final exam.

Jan.	10	Ch. 10	12	Ch. 10	17	Ch. 10	19	Ch. 10
Jan.	24	Ch. 10	26	Ch. 10	31	Ch. 11	**Feb. 2**	**Exam 1**
Feb.	7	Ch. 11	9	Ch. 11	14	Ch. 11	16	Ch. 11
Feb.	21	Ch. 11	23	Ch. 12	28	Ch. 12	**Mar. 2**	**Exam 2**
March	7	Ch. 12	9	Ch. 12	14	Ch. 13	16	Ch.13
March	21	Final Exam	23					

Grading:

			Percentage	Grade
			[95-100]	"A+"
Homework	200 points		[90-95)	"A"
Exams (2)	200 points		[88-90)	"A-"
Quizzes	100 points			
Final Exam	200 points		[85-88)	"B+"
Total	700 points		[80-85)	"B"
			[77-80)	"B-"
			[72-77)	"C+"
			[65-72)	"C"
			[61-65)	"D+"
			[57-61)	"D"
			[55-57)	"D-"
			[0-55)	"F"

Important dates: Last day to add/drop classes: For deadlines to drop with a refund and without and with a "W" grade, go to My Portal > Students Tab > My Courses> View your Class Schedule. Dates are enforced.

Jan. 21: Last day to add classes.
Jan. 22: Last day to drop classes for full refund or credit.
March 3: Last day to drop classes with "W".

Student Learning Outcome(s):

*Graphically, analytically, numerically and verbally analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.
*Apply infinite sequences and series in approximating functions.
*Synthesize and apply vectors, polar coordinate system and parametric representations in solving problems in analytic geometry, including motion in space.

Office Hours:

      T,TH   12:30 PM   01:30 PM   In-Person   E39