CRN (13615) Math 1C-52Z Calculus
Instructor: Bijan Sadeghi
Asynchronous

Academic Term: Summer 2023
E-Mail: sadeghibijan@fhda.edu

Textbook: Calculus: Early Transcendental; 9th 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: Not required.
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 9705 1481

Quizzes: There will be weekly quizzes.
Exams: Two exams will be given during the quarter. No Make Ups.
Final Exam: A two-hour comprehensive final exam will be given on Thursday, August 10, 2023; time TBD. This exam is a must. A grade of "F" will be assigned to those who miss the final exam.

July	3rd - Ch. 10	4th - Holiday	5th - Ch. 10	6th - Ch. 10
July	10th - Ch. 10	11th - Ch. 10	**12th - Exam 1**	12th - Ch. 11
July	17th - Ch. 11	18th - Ch. 11	19th - Ch. 11	20th - Ch. 11
July	24th - Ch. 11	25th Ch. 11	**26th - Exam 2**	27th - Ch. 12
July-August	31st - Ch. 12	Aug 1st - Ch. 12	Aug 2nd - Ch. 12	Aug 3rd - Ch. 13
August	7th - Ch. 13	8th - Ch. 13	9th - Ch. 13	**10th - Final Exam**

Grading:

Homework	200 points
Exams (2)	200 points
Quizzes	100 points
Final Exam	200 points
Total	700 points

Percentage	**Grade**
[95-100]	"A+"
[90-95)	"A"
[88-90)	"A-"
[85-88)	"B+"
[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 MyPortal > Students Tab > My Courses> View your Class Schedule. Dates are enforced.

Student Learning Outcome(s):

- 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.