COURSE: Math 1C-63 Calculus
DAY: TuTh
TIME: 6:30 - 8:45 pm
EMAIL: isonmillia@fhda.edu
QUARTER: Winter 2020
INSTRUCTOR: Millia Ison
OFFICE PHONE: 864-5659
OFFICE NUMBER: S76e
OFFICE HOUR : MW: 3:00 – 3:50 p.
TuTh: 2:30 – 3:30 pm, answer questions through email online.
COURSE PREREQUISITES: Math 1B, or equivalent course with a grade "C" or better.
TEXT: Calculus: Early Transcendentals, by James Stewart, 8th edition.
ENROLL WEB ASSIGN : Class Key: **deanza 0284 1047**

EQUIPMENT: A computer or a computer with graph capability is required.
GRADING:

WebAssign -----75 points	A: 93% - 96 % , 558 - 600 pts	C+: 76% - 79 % , 456 - 479 pts
13 quizzes -------75 points	A– : 90% - 92 % , 540 - 557 pts	C: 70 % - 75 %, 420 - 455 pts
3 midterms --- 300 points	B+: 87% - 89 % , 522 - 539 pts	D: 60 % - 69 %, 360 - 419 pts
Final exam ---- 150 points	B: 83% - 86 % , 498 - 521 pts	F: 0 % - 59 %, 0 - 359 pts
Total ---------- 600 points	B–: 80% - 82 % , 480 - 497 pts	

Homework Points: You need to do your homework on a regular bases. However all homework is due on Mar. 25, 11:59pm. Total points on WebAssign is 1136(subject to change). Out of which, 1045 points are required (subject to change). If you have 1045, you earn 75 points (full credit) toward your grade. If you have total of 1100, then $1120/1045 \gg 1.07$, that is 107%, $107\% \times 75 \gg 80$, you have 80 points for homework, which is 5 points extra credit. The total amount of the extra credit will be decided after the final exam.

Quiz Points: 6 points each quiz. 2 quizzes each week (1 quiz in an exam week). You must take quiz in class. **NO make-up quiz. Absent or taking a quiz outside of class is 0 for the quiz.** There are 18 quizzes this quarter. 13 quizzes are required. The extra quizzes either will be dropped (lowest scores) or will be extra credit. The total amount of the extra credit will be determined after the final exam.

EXAM POINTS: 100 points each. Dates are on the calendar the next page. Scheduled dates are subject to change. **NO make-up midterm exams.** Absences are counted as 0's. If the percent of your final exam score is higher than some of your exams, it will replace the lowest exam score. It can only replace 1 out of 3 exams. For example: your lowest exam score is 73%, your achieve 120/150 on the final exam, which is 80%. Then the 73 on the exam is replaced by 80. If all your 3 exams are higher than your final exam percentage, then your exam scores will not change. People doing better on the final will help their overall score.

FINAL EXAM: Thursday, March 26, 6:15 – 8:15 p
Fail to take the final exam, you will receive "F" for your grade.
Exams and quizzes are to test your understanding of the classroom discussions and homework assignments. **Cheating of any form on quizzes, midterm exams or final exam will be grounds for disciplinary action.**

IMPORTANT DATES: Sunday, Jan. 19 --- Last day to drop without grade on your record.
Friday, Feb. 28 --- Last day to drop with a "W".
ATTENDANCE: Regular attendance is required. More than 3 absences without contact me will result in a "W" or "F" for the class. Last day to drop class is Feb. 28. After that day, You will receive a grade for the course.

Text: Stewart, 8th edition **MATH 1C-63** **Winter 2020 Calendar** **TuTh** **Room E31**

Chapter	SEC	PROBLEMS
Parametric Equations AndPolar Coordinates	10.1	Curves Defined by Parametric Equations
	10.2	Calculus with Parametric Curves
	10.3	Polar Coordinates
	10.4	Areas and Lengths in Polar Coordinates
Infinite Sequencs And Series	11.1	Sequences
	11.2	Series
	11.3	The Integral Test and Estimates of Sums
	11.4	The Comparison Tests
	11.5	Alternating Series
	11.6	Absolute Convergence & the Ratio and Root Tests
	11.7	Strategy for Testing Series
	11.8	Power Series
	11.9	Representations of Functions as Power Series
	11.10	Taylor and MacLaurin Series
	11.11	Applications of Taylor Polynomials
Vector And The Geometry Of Space	12.1	Three-Dimensional Coordinate Systems
	12.2	Vectors
	12.3	The Dot Product
	12.4	The Cross Product
	12.5	Equations of Lines and Planes
	12.6	Cylinders and Quadric Surfaces
Vector Functions	13.1	Vector Functions and Space Curves
	13.2	Derivatives and Integrals of Vector Functions
	13.3	Arc Length and Curvature
	13.4	Motion in Space: Velocity and Acceleration

	Monday	Tuesday	Wednesday	Thursday	Friday
Jan Wk1	6	7 10.1, 10.2	8	9 10.2, 10.3 Q1	10
Jan Wk2	13	14 10.3,10.4 Q2	15	16 10.4 Q3	17
Jan Wk3	20 M L King Day Holiday	21 11.1, 11.2 Q4	22	23 Exam 1	24
Jan Wk4	27	28 11.2, 11.3 Q5	29	30 11.4, 11.5 Q6	31
Feb Wk5	3	4 11.6, 11.7 Q7	5	6 11.8, 11.9 Q8	7
Feb Wk6	10	11 *11·9,* *11·10* Q9	12	13 11.10, 11.11 Q10	14 Lincoln's Birthday Holiday
Feb Wk7	17 Washington's B-day Holiday	18 *11·11, 12·1* Q11	19	20 Exam 2	21
Feb Wk8	24	25 12.1, 12.2 Q12	26	27 12.3,12.4 Q13	28 last day to drop w/W
Mar Wk9	2	3 12.5 Q14	4	5 12.6 Q15	6
Mar Wk10	9	10 Exam 3	11	12 13.1, 13.2 Q16	13
Mar Wk11	16	17 13.3 Q17	18	19 13.4 Q18	20
Mar	23	24	25	26	27

Wk12				**Final** **6:15 – 8:15p**	

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.