COURSE: Math 1C-08, CRN 01497 **QUARTER:** Fall 2020
DAY: online **INSTRUCTOR**: Millia Ison
Exam Time: Monday 4:00 – 5:30 p **Final Exam:** Monday, 12/8, 4:00 – 6:00 p
EMAIL: isonmillia@fhda.edu **~~OFFICE NUMBER: S76e~~**
OFFICE HOUR : MWTuTh, 12:00 -1:00 pm 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 code: **deanza 9691 0873**
Homework, quizzes and exams are on Web Assign.
EQUIPMENT: A graphic calculator or a computer with graph capability is required.
GRADING:

Homework ----160 points	A: 93% - 96 % , 465 - 500 pts	C+: 76% - 79 % , 380 - 399 pts
Quizzes ----------80 points	A– : 90% - 92 % , 450 - 464 pts	C: 70 % - 75 %, 350 - 379 pts
2 Exam Reviews--60 points	B+: 87% - 89 % , 435 - 449 pts	D: 60 % - 69 %, 300 - 349 pts
2 midterms --- 100 points	B: 83% - 86 % , 415 - 434 pts	F: 0 % - 59 %, 0 - 299 pts
Final exam ---- 100 points	B–: 80% - 82 % , 400 - 414 pts	
Total ---------- 500 points		

HOMEWORK POINTS: You need to do your homework on a regular bases. However all homework is due on Dec 8, 11:59 pm. **No Extension under any circumstances.** Total points on WebAssign is 1136(subject to change). Out of which, 1100 points are required (subject to change). If you have 1100, you earn 160 points (full credit) toward your grade. If you have total of 1136, then $1136/1100 \approx 1.03$, that is 103%, $103\% \times 160 \approx 165$, which is 5 points extra credit. The total amount of the extra credit will be decided after the final exam.

QUIZ POINTS: 5 points each. 2 quizzes each week (1 quiz if a week has exam), due Sundays 11:59 pm, available 1 week before due. **NO EXTENSION under any circumstances**. If the deadline is missed, you get 0 for the quiz. There are 18 quizzes this quarter. 2 lowest scores will be dropped.

EXAM REVIEW POINTS: 30 points each. Due 11:59 pm on the Exam day.

EXAM POINTS: 50 points each. **No make-up midterm exams.** 0 point for missed exam. For unusual circumstances, the percentage of your final exam score multiply by 50 will replace the exam score. Exam 1: Oct. 12, Monday, 4:00 – 5:30 p; Exam 2: Nov. 23, Monday, 4:00 – 5:30 p

FINAL EXAM: 100 points. Monday, December 8, 1:30 – 3:30 p. Doing Final Exam Review is optional. Fail to take the final exam, you will receive "F" for your grade.

Exams are to test your understanding of the homework assignments. **Cheating of any form on midterm exams or final exam will be grounds for disciplinary action.**

IMPORTANT DATES: Sunday, Oct. 4 --- Last day to drop without grade on your record.
Friday, Nov. 13 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is Nov. 13**.** After that day, you will receive a grade.

Text: Stewart 8th edition **Math 1C-08 Fall 2020 Calendar** **Online**

Chapter	SEC	PROBLEMS
Parametric Equations AndPolar Coordinate	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

All homework assignments and due dates are listed on WebAssign.

These are the least amount of exercises you need to do. If you don't master the material well afterdoing WebAssign, work with more of the similar problems in the text.

	Monday	Tuesday	Wednesday	Thursday	Friday
Sept	21	22	23	24	35
	10.1, 10.2		10.2, 10.3,		
Wk1	Quiz 10.2		Quiz 10.3		
Sept	28	29	30	1	2
Oct	10.4		11.1, 11.2		
Wk2	Quiz 10.4		Quiz 11.1		
Oct	5	6	7	8	9
	11.2, 11.3		11.4, 11.5		
Wk3	Quiz 11.2, 3		Quiz 11.4,5		
Oct	12	13	14	15	16
	11.6, 11.7		11.8, 11.9		
Wk4	Quiz11.6,7		Quiz 11.8,9		
Oct	19	20	21	22	23
	Exam 1 4:00 – 5:30 p		11.10		
Wk5	Exam 1 Rv Due 11:59p		Quiz11.10		
Oct	26	27	28	29	30
	11.10, 11.11		12.1, 12.2		
Wk6	Quiz11.10,11		Quiz 12.1, 2		
Nov	2	3	4	5	6
	12.3, 12.4		12.4, 12.5		
Wk7	Quiz 12.3		Quiz 12.4,5		
Nov	9	10		12	13
	12.6		Veterans Day		
Wk8	Quiz12.5,6		Holiday		
Nov	16	17	18	19	20
	Exam 2 4:00 – 5:30 p		13.1		last day to drop w/W
Wk9	Exam 2 Rv Due 11:59p		Quiz 13.1		
Nov	23	24	25	26	27
	13.2		13.3	Thanksgiving	Thanksgiving
Wk10	Quiz13.2		Quiz 13.3		Quiz
Nov	30	31	32	33	34
Dec	13.4		Review		
Wk11	Quiz 13.4				
Dec	7	8	9	10	11
	Final				
Wk12	4:00 – 6:00p				

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.