COURSE: Math 1C-50Z, CRN 44479   **QUARTER:**   Spring 2021
DAY: Asynchronous   **INSTRUCTOR**:   Millia Ison
EXAM TIME: Wednesdays, 6 – 7 pm   **FINAL EXAM:**   Wed., 6/23, 6-8pm
EMAIL: **isonmillia@fhda.edu**   ~~**OFFICE NUMBER**: S76e~~
OFFICE HOUR: MWTuTh, 2:30 -3:30 pm by zoom.
Here is the link: https://fhda-edu.zoom.us/j/95413984049 , Meeting ID: 954 1398 4049.

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: Log into your Canvas account, In Module, Click WebAssign Sign in to continue the registration process. Your Cengage course materials will open in a new tab or window, so be sure pop-ups are enabled. 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
3 midterms --- 150 points	B+: 87% - 89 % , 435 - 449 pts	D: 60 % - 69 %, 300 - 349 pts
Final exam ---- 110 points	B: 83% - 86 % , 415 - 434 pts	F: 0 % - 59 %, 0 - 299 pts
Total ----------- 500 points	B –: 80% - 82 % , 400 - 414 pts	

HOMEWORK POINTS: You need to do your homework on a regular bases. However all homework is due on June 22, 11:59 pm. **No Extension under any circumstances.** Total points on WebAssign is 1114(subject to change). Out of which, 1094 points are required (subject to change). If you have 1094, you earn 160 points (full credit) toward your grade. If you have total of 1114, then $1114/1094 \approx 1.08$, that is 101.8%, $101.8\% \times 160 \approx 163$, which is 3 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, 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 POINTS: 50 points each. **Wednesdays.** Dates listed on the calendar next page. **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.

FINAL EXAM: 100 points. Wednesday, June 23, 6:00 – 8:00 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, April 18 --- Last day to drop without grade on your record.
                 Friday, May 28 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is May 28**.**
After that day, you will receive a grade.

Text: Stewart 8th edition   **Math 1C-50Z Spring 2021 Calendar**   **CRN 44479**   **Online**

Chapter	SEC	PROBLEMS		Monday	Tuesday	Wednesday	Thursday	Friday
	10.1	Curves Defined by Parametric Equations	**April**	5	6	7	8	9
	10.2	Calculus with Parametric Curves		Follow Canvas Module Week 1 to Learn 10.1, 10.2 and 10.3.				
	10.3	Polar Coordinates	Wk1	Do homework of these sections. Complete Quiz 10.2 and Quiz 10.3.				
	10.4	Areas and Lengths in Polar Coordinates	**April**	12	13	14	15	16
Infinite Sequencs And Series	11.1	Sequences		Follow Canvas Module Week 2 to Learn 10.4 and 11.1				
			Wk2	Do homework of these sections. Complete Quiz 10.4 and Quiz 11.1				
	11.2	Series	**April**	19	20	21	22	23
	11.3	The Integral Test and Estimates of Sums			Learn 11.2, do homework 11.2	Exam 1 6:00 – 7:00p	Learn 11.3, do homework 11.3	
	11.4	The Comparison Tests	Wk3		and complete Quiz 11.2	10.1 – 11.1		
	11.5	Alternating Series	**April**	26	27	28	29	30
	11.6	Absolute Convergence & the Ratio and Root Tests		Follow Canvas Module Week 4 to Learn 11.4, 11.5 and 11.6				
	11.7	Strategy for Testing Series	Wk4	Do homework of these sections. Complete Quiz 11.3 and Quiz 11.4,5				
	11.8	Power Series	**May**	3	4	5	6	7
	11.9	Representations of Functions as Power Series		Follow Canvas Module Week 5 to Learn 11.7, 11.8, 11.9 and 11.10				
	11.10	Taylor and MacLaurin Series	Wk5	Do homework of these sections. Complete Quiz11.6,7 and Quiz 11.8,9				
	11.11	Applications of Taylor Polynomials	**May**	10	11	12	13	14
				Do Quiz 11.10		Exam 2 6:00 – 7:00p	Learn 12.1 and do homework 12.1	
Vector And The Geometry Of Space	12.1	Three–Dimensional Coordinate Systems	Wk6	Learn 11.11, do homework 11.11		11.2 – 11.11		
	12.2	Vectors	**May**	17	18	19	20	21
	12.3	The Dot Product		Follow Canvas Module Week 7 to Learn 12.2 and 12.3				
	12.4	The Cross Product	Wk7	Do homework of these sections. Complete Quiz 12.1, 2 and Quiz 12.3				
	12.5	Equations of Lines and Planes	**May**	24	25	26	27	28
	12.6	Cylinders and Quadric Surfaces		Follow Canvas Module Week 8 to Learn 12.4, 12.5 and 12.6.				
			Wk8	Do Homework and Complete Quiz 12.4 and Quiz 12.5				last day to drop w/W
Vector Functions	13.1	Vector Functions and Space Curves	**May**	31	1	2	3	4
	13.2	Derivatives and Integrals of Vector Functions	**June**	Memorial	Continue 12.6	Exam 3 6:00 – 7:00p	Learn 13.1 and	
	13.3	Arc Length and Curvature	Wk9	Holiday	Do Quiz 12.6	12.1 – 12.6	do Homework 13.1	
	13.4	Motion in Space: Velocity and Acceleration	**June**	7	8	9	10	11
				Follow Canvas Module Week 10 to Learn 13.2 and 13.3.				
All homework assignments and due dates are listed on WebAssign.			Wk10	Do homework of these sections. Complete Quiz 13.1 and Quiz 13.2				
			June	14	15	16	17	18
				Follow Canvas Module Week 11 to Learn 13.3 and 13.4				
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.			Wk11	Do homework of these sections. Complete Quiz 13.3 and Quiz 13.4				
			June	21	22	23	24	25
					Homework	Final		
			Wk12		**Due 11:59 pm**	6:00 – 8:00p		

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.