COURSE: Math 1C-55Z, CRN 37332 **QUARTER:** Winter 2022
DAY: Online. Asynchronous. **INSTRUCTOR**: Millia Ison
EMAIL: isonmillia@fhda.edu
OFFICE HOUR: on Zoom: Mon - Thu. 3-3:50 pm
Here is the link: Join URL: https://fhda-edu.zoom.us/j/94279799616 Meeting ID: 942 7979 9616

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 and a computer are 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 basis. However, all homework is due on March 22, 11:59 pm. **No Extension under any circumstances.** The total points on WebAssign are 1108(subject to change). Out of which, 1080 points are required (subject to change). If you have 1080, you earn 160 points (full credit) toward your grade. If you have total of 1112, then $1112/1080 \approx 1.03$, that is 102%, $102\% \times 160 \approx 163$, 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 generally, 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 19 quizzes this quarter. 3 lowest scores will be dropped.

EXAM POINTS: 50 points each. Dates listed on the calendar next page. **No make-up midterm exams.** 0 point for missed exam. For unusual circumstances, you must contact me on or before the exam time, then the percentage of your final exam score multiply by 50 will replace the exam score.

FINAL EXAM: 110 points Monday, March 21, 6:15 – 8:15 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 the final exam will be grounds for disciplinary action.**

IMPORTANT DATES: Monday, Jan. 17 --- Last day to drop without grade on your record.
        Friday, Feb. 25 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is Feb. 25**.** After that day, you will receive a grade.

Text: Stewart 8th edition   **Math 1C-55Z Winter Calendar**   **CRN 37332**   **Online**

Chapter	SEC	PROBLEMS
Parametric Equations And Polar 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 Sequences 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	
	13.4	Motion in Space: Velocity and Acceleration

All homework assignments and due dates are listed on WebAssign.

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

	Monday	Tuesday	Wednesday	Thursday	Friday
Jan Wk1	3	4	5	6	7
	10.1,10.2,10.3				
	Quiz 10.2 and Quiz 10.3 due Sunday 11:59 pm				
Jan Wk2	10	11	12	13	14
	10.4,11.1,				
	Quiz 10.4 and Quiz 11.1 due Sunday 11:59 pm				
Jan Wk3	17 M.L.King's day Holiday	18 Exam 1: Sec.10.1 – 11.1 6-7p	19	20 11.2	21
				Quiz 11.2 due Sunday 11:59 pm	
Jan Wk4	24	25	26	27	28
	11.3,11.4,11.5				
	Quiz 11.3 Quiz and 11.4,5 due Sunday 11:59 pm				
Jan Feb Wk5	31	1	2	3	4
	11.6,11.7,11.8,11.9				
	Quiz11.6,7 and Quiz 11.8,9 due Sunday 11:59 pm				
Feb Wk6	7	8	9	10	11
	11.10, 11.11, 12.1, 12.2				
	Quiz11.10 and Quiz 12.1, 2 due Sunday 11:59 pm				
Feb Wk7	14 Exam 2: Sec. 11.2 – 11.11 6-7p	15	16 12.3	17	18 Lincoln's Bday Holiday
		Quiz 12.3 due Sunday 11:59 pm			
Feb Wk8	21 Washington's Bday Holiday	22	23 12.4, 12.5,	24	25
		Quiz 12.4 and Quiz 12.5 due Sunday 11:59 pm			last day to drop w/W
Feb Mar Wk9	28	1	2	3	4
	12.6, 13.1,				
	Quiz 12.6 and Quiz 13.1 due Sunday 11:59 pm				
Mar Wk10	7 Exam 3: Sec.12.1 – 12. 6 6-7p	8	9 13.2	10	11
		Quiz13.2 due Sunday 11:59 pm			
Mar Wk11	14	15	16	17	18
	13.3, 13.4				
	Quiz 13.3 and Quiz 13.4 due Sunday 11:59 pm				
Mar Wk12	21 Final: 6:15– 8:15p	22 HW Due 11:59 pm	23	24	25

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.