

COURSE: Math 1C-27Z, CRN 42728

DAY: TuTh 4:00 – 6:15 pm

EMAIL: isonmillia@fhda.edu

OFFICE HOUR: MWTuTh, 12:00 -1:00 pm by [zoom](#).

Here is the link: <https://fhda-edu.zoom.us/j/95413984049> , Meeting ID: 954 1398 4049.

QUARTER: Spring 2021

INSTRUCTOR: Millia Ison

OFFICE NUMBER: S76e

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

Quizzes -----80 points

3 midterms --- 150 points

Final exam ---- 110 points

Total ----- 500 points

A: 93% - 96 % , 465 - 500 pts

A- : 90% - 92 % , 450 - 464 pts

B+: 87% - 89 % , 435 - 449 pts

B: 83% - 86 % , 415 - 434 pts

B- : 80% - 82 % , 400 - 414 pts

C+: 76% - 79 % , 380 - 399 pts

C: 70 % - 75 % , 350 - 379 pts

D: 60 % - 69 % , 300 - 349 pts

F: 0 % - 59 % , 0 - 299 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. 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. **Thursday, June 24, 4:00 – 6:00 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.

Chapter	SEC	PROBLEMS		Monday	Tuesday	Wednesday	Thursday	Friday	
Parametric Equations And Polar Coordinate	10.1	Curves Defined by Parametric Equations	April	5	6	7	8	9	
	10.2	Calculus with Parametric Curves			10.1, 10.2		10.3		
	10.3	Polar Coordinates	Wk1		Quiz 10.2		Quiz 10.3		
	10.4	Areas and Lengths in Polar Coordinates	April	12	13	14	15	16	
Infinite Sequences And Series	11.1	Sequences	Wk2		10.4		11.1		
	11.2	Series	April	19	20	21	22	23	
	11.3	The Integral Test and Estimates of Sums			11.2, 11.3		Exam 1 5:00 – 6:00p		
	11.4	The Comparison Tests	Wk3		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			11.4, 11.5		11.6, 11.7		
	11.7	Strategy for Testing Series	Wk4		Quiz 11.3		Quiz 11.4,5		
	11.8	Power Series	May	3	4	5	6	7	
	11.9	Representations of Functions as Power Series			11.8, 11.9		11.10		
	11.10	Taylor and MacLaurin Series	Wk5		Quiz 11.6,7		Quiz 11.8,9		
	11.11	Applications of Taylor Polynomials	May	10	11	12	13	14	
Vector And The Geometry Of Space	12.1	Three-Dimensional Coordinate Systems	Wk6		11.10, 11.11		Exam 2 5:00 – 6:00p		
	12.2	Vectors	May	17	18	19	20	21	
	12.3	The Dot Product			12.1, 12.2		12.2, 12.3		
	12.4	The Cross Product	Wk7		Quiz 12.1, 2		Quiz 12.3		
	12.5	Equations of Lines and Planes	May	24	25	26	27	28	
	12.6	Cylinders and Quadric Surfaces	Wk8		12.4, 12.5		12.5, 12.6		
Vector Functions	13.1	Vector Functions and Space Curves	May	31	1	2	3	4	
	13.2	Derivatives and Integrals of Vector Functions	June		12.6		Exam 3 5:00 – 6:00p		
	13.3	Arc Length and Curvature	Wk9		Quiz 12.6		12.1 – 12.6		
	13.4	Motion in Space: Velocity and Acceleration	June	7	8	9	10	11	
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 after doing WebAssign, work with more of the similar problems in the text.			Wk10		13.1, 13.2		13.3		
			June	14	15	16	17	18	
			Wk11		Quiz 13.3		Quiz 13.4		
			June	21	22	23	24	25	
			Wk12		Homework Due 11:59 pm		Final 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.