

**COURSE:** Math 1C-51Z, CRN 27946

**DAY:** TBA

**EMAIL:** [isonmillia@fhda.edu](mailto:isonmillia@fhda.edu)

**ZOOM OFFICE HOUR:** TuTh 1:00p-2:40p. Link: <https://fhda-edu.zoom.us/j/95244405559>

**QUARTER:** Fall 2024

**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, 9th 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:  $\geq 93\%$ , 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 **Tue. December 10, 11:59 pm**. **No Extension under any circumstances**. Total points on WebAssign is 1216(subject to change). Out of which, 1185 points are required (subject to change). If you have 1185, you earn 160 points (full credit) toward your grade. If you have total of 1210, then  $1210 \div 1185 = 1.02$ , 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, due **Sundays 11:59 pm**, available 6 days before due. **You need to finish quizzes on or before Fridays**. Consider weekends are the extension if you have issues to do quizzes during week days. **NO EXTENSION under any circumstances beyond the deadline on WebAssign**. If a 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. **10/7, 11/4 and 11/25**, 6:30 – 7:30 pm. Dates are also listed on the calendar next page. **No make-up midterm exams**. 0 point for missed exam. For unusual circumstances, you must contact me before or on the exam day. The percentage of your final exam score multiply by 50 will replace the exam score. For the 2<sup>nd</sup> and 3<sup>rd</sup> missed midterm due to unusual situation, students must contact me to schedule a special written or oral exam.

**FINAL EXAM:** 110 points. **Monday, Dec. 9, 6:30 – 8:30** pm. 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. 6 --- Last day to drop without grade on your record.  
Friday, Nov. 9 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is **Nov. 9**. 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	Sept	23	24	25	26	27
	10.2	Calculus with Parametric Curves	Wk1	Learn and do homework of 10.1, 10.2 and 10.3				
	10.3	Polar Coordinates		Complete Quiz 10.2 & Quiz 10.3				
	10.4	Areas and Lengths in Polar Coordinates	Sept	30	1	2	3	4
Infinite Sequences And Series	11.1	Sequences	Oct	7	8	9	10	11
		11.2	Series	Wk3	Exam 1 6:30 - 7:30p Sec.10.1 - 11.1			
	11.3	The Integral Test and Estimates of Sums	Learn and do homework 11.2					
	11.4	The Comparison Tests	Complete Quiz 11.2					
	11.5	Alternating Series and Absolute Convergence	Oct	14	15	16	17	18
		11.6	The Ratio and Root Tests	Wk4	Learn and do homework 11.3, 11.4 & 11.5			
	11.7	Strategy for Testing Series	Complete Quiz 11.3 & Quiz 11.4,5					
	11.8	Power Series	Oct	21	22	23	24	25
	11.9	Representations of Functions as Power Series	Wk5	Learn and do homework 11.6, 11.7, 11.8 & 11.9				
		11.10		Taylor and MacLaurin Series	Complete Quiz 11.6,7 & Quiz 11.8,9			
	11.11	Applications of Taylor Polynomials	Oct	28	29	30	31	1
Wk6			Learn and do homework 11.10, 11.11, 12.1 & 12.2					
	Vector And The Geometry Of Space	12.1	Three-Dimensional Coordinate Systems	Complete Quiz 11.10 and Quiz 12.1, 2				
12.2		Vectors	Nov	4	5	6	7	8
12.3		The Dot Product	Wk7	Exam 2 6:30 - 7:30p Sec. 11.2 - 11.11				
12.4		The Cross Product		Learn and do homework 12.3				
12.5		Equations of Lines and Planes	Complete Quiz 12.3					
12.6		Cylinders and Quadric Surfaces	Nov	11	12	13	14	15
Vector Functions	13.1	Vector Functions and Space Curves	Nov	Veterans Day Holiday				
		13.2		Derivatives and Integrals of Vector Functions	Learn and do homework 12.4 & 12.5			
	13.3	Arc Length and Curvature	Complete Quiz 12.4 & Quiz 12.5					
	13.4	Motion in Space: Velocity and Acceleration	Nov	18	19	20	21	22
		Wk9	Learn and do homework 12.6 & 13.1					
			Dec	25	26	27	28	29
		Wk10	Exam 3 6:30 - 7:30p Sec. 12.1 - 12.6					
		Learn and do homework 13.2						
		Complete Quiz 13.2						
		Dec	2	3	4	5	6	
		Wk11	Thanksgiving Holiday					
			Learn and do homework 13.3 and 13.4					
		Complete Quiz 13.3 & Quiz 13.4						
		Dec	9	10	11	12	13	
		Final		Homework				

Wk12

6:30 – 8:30p

Due 11:59 pm

**Student Learning Outcome(s):**

- 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.

**Office Hours:**

T,TH 01:00 PM 02:40 PM Zoom