

COURSE: Math 1C-51Z, CRN 38466

DAY: TBA

ZOOM OFFICE HOUR: MW 10:00 -11:40 am. Link: <https://fhda-edu.zoom.us/j/95244405559>

EMAIL: isonmillia@fhda.edu

QUARTER: Winter 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 March 26, 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, 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 weekdays. **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. **1/22, 2/20 and 3/11**, 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, the percentage of your final exam score multiply by 50 will replace the exam score.

FINAL EXAM: 110 points. **Monday, March 25, 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, Jan. 21 --- Last day to drop without grade on your record.
Friday, Mar. 1 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is **Mar. 1**. 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	Jan	8	9	10	11	12	
	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	Jan	15	16	17	18	19	
Infinite Sequences And Series	11.1	Sequences	Wk2	MLKing's Birthday	Learn and do homework 10.4 & 11.1				
	11.2	Series	Jan	22	23	24	25	26	
	11.3	The Integral Test and Estimates of Sums		Learn and do homework 11.2					
	11.4	The Comparison Tests	Wk3	Exam 1 6:30 – 7:30p Sec.10.1 – 11.1	Complete Quiz 11.2				
	11.5	Alternating Series and Absolute Convergence	Jan	29	30	31	1	2	
	11.6	The Ratio and Root Tests	Feb	Learn and do homework 11.3, 11.4 & 11.5					
	11.7	Strategy for Testing Series	Wk4	Complete Quiz 11.3 & Quiz 11.4,5					
	11.8	Power Series	Feb	5	6	7	8	9	
	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	Feb	12	13	14	15	16	
Vector And The Geometry Of Space	12.1	Three-Dimensional Coordinate Systems	Wk6	Learn and do homework 11.10 & 11.11				Lincoln's Birthday	
	12.2	Vectors	Feb	19	20	21	22	23	
	12.3	The Dot Product	Wk7	Washington's Birthday	Exam 2 6:30 – 7:30p Sec. 11.2 – 11.11	Learn and do homework 12.1 & 12.2			
	12.4	The Cross Product		Complete Quiz 12.1, 2					
	12.5	Equations of Lines and Planes	Feb	26	27	28	29	1	
	12.6	Cylinders and Quadric Surfaces	Mar	Learn and do homework 12.3 & 12.4					last day to drop w/W
Vector Functions	13.1	Vector Functions and Space Curves	Wk8	Complete Quiz 12.3 & Quiz 12.4					
	13.2	Derivatives and Integrals of Vector Functions	Mar	4	5	6	7	8	
	13.3	Arc Length and Curvature	Wk9	Learn and do homework 12.5 & 12.6					
	13.4	Motion in Space: Velocity and Acceleration	Mar	11	12	13	14	15	
	Exam 3 6:30 – 7:30p Sec. 12.1 – 12.6					Learn and do homework 13.1 & 13.2			
					Complete Quiz 12.5 & Quiz 12.6				
					18	19	20	21	22
					Learn and do homework of 13.3 & 13.4				
					Complete Quiz 13.3 & Quiz 13.4				
					25	26	27	28	29
					Final 6:30 – 8:30p	Homework Due 11:59 pm			
					Wk12				

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:

M,W 10:00 AM 11:40 AM Zoom