

COURSE: Math 1C-08Z, CRN 01497

DAY: M 4:00 – 6:15 pm

Zoom URL: <https://fhda-edu.zoom.us/j/98072241223>

QUARTER: Fall 2021

INSTRUCTOR: Millia Ison

EMAIL: isonmillia@fhda.edu

OFFICE HOUR: on Zoom: Wed., Thu. 3-5 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 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 basis. However, **all homework is due on December 7, 11:59 pm.** **No Extension under any circumstances.** Total points on WebAssign are 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** 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, Dec. 6, 4 - 6 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: Sunday, Oct. 3 --- Last day to drop without grade on your record.
Friday, Nov. 12 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is **Nov. 12.** 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	20	21	22	23	24
	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	Sept	27	28	29	30	1
Infinite Sequences And Series	11.1	Sequences	Oct	10.4,11.1,11.2				
	11.2	Series	Wk2	Quiz 10.4		Quiz 11.1		
	11.3	The Integral Test and Estimates of Sums	Oct	4	5	6	7	8
	11.4	The Comparison Tests	Wk3	Exam 1 5-6p Sec.10.1 – 11.1		Quiz 11.2		
	11.5	Alternating Series	Oct	11	12	13	14	15
	11.6	Absolute Convergence & the Ratio and Root Tests	Wk4	11.3,11.4,11.5 Quiz 11.3		Quiz 11.4,5		
	11.7	Strategy for Testing Series	Oct	18	19	20	21	22
	11.8	Power Series	Wk5	11.6,11.7,11.8, 11.9 Quiz11.6,7		Quiz 11.8,9		
	11.9	Representations of Functions as Power Series	Oct	25	26	27	28	29
	11.10	Taylor and MacLaurin Series	Wk6	11.10,11.11,12.1,12.2 Quiz11.10		Quiz 12.1, 2		
	11.11	Applications of Taylor Polynomials	Nov	12.3 1	2	3	4	5
Vector And The geometry Of Space	12.1	Three-Dimensional Coordinate Systems	Wk7	Exam 2 5-6p Sec. 11.2 – 11.11		Quiz 12.3		
	12.2	Vectors	Nov	8	9	10	11	12
	12.3	The Dot Product	Wk8	12.4,12.5,12.6 Quiz 12.4		Quiz 12.5	Veterans Holiday	last day to drop w/W
	12.4	The Cross Product	Nov	15	16	17	18	19
Vector Functions	12.5	Equations of Lines and Planes	Wk9	13.1, 13.2 Quiz 12.6		Quiz 13.1		
	12.6	Cylinders and Quadric Surfaces	Nov	22	23	24	25	26
	13.1	Vector Functions and Space Curves	Wk10	Exam 3 5-6p Sec.12.1 – 12. 6		Quiz13.2	Thanks-giving	Thanksgiving
	13.2	Derivatives and Integrals of Vector Functions	Nov	29	30	1	2	3
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.			Dec	13.3,13.4 Quiz 13.3		Quiz 13.4		
			Dec	6	7	8	9	10
			Wk12	Final Exam 4-6p	HW Due 11:59 pm			

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.