

COURSE: Math 1C-07Z, CRN 01496
DAY: Monday 1:30 – 3:45 Online
Zoom Links: <https://fhda-edu.zoom.us/j/88053785177>
EMAIL: isonmillia@fhda.edu

QUARTER: Fall 2022
INSTRUCTOR: Millia Ison

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 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 December 13, 11:59 pm. No Extension under any circumstances.** The total points on WebAssign are 1245(subject to change). Out of which, 1210 points are required (subject to change). If you have 1210, you earn 160 points (full credit) for your grade. If you have total of 1240, then $1240/1210 \approx 1.03$, that is 102.4%, $102.4\% \times 160 \approx 164$, which is 4 points extra credit. The total amount of required homework points will be decided after the final exam.

QUIZ POINTS: 5 points each. **2 quizzes each week** generally, one is **due Tuesdays 11:59 p**, available Mondays 4pm; the other one is due **Thursdays 11:59p**, available Wednesdays 1:30p. **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 and on Canvas in Module. **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. Exam Review is on WebAssign for each exam; it is optional. Points of the Reviews are NOT part of grade.

FINAL EXAM: 110 points **Monday, December 12, 1:45 – 3:45 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. 9 --- Last day to drop without grade on your record.
Friday, Nov. 18 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is **Nov. 11**. 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	26	27	28	29	30
	10.2	Calculus with Parametric Curves		10.1,10.2,10.3		Quiz 10.3		
	10.3	Polar Coordinates	Wk1	Quiz 10.2				
	10.4	Areas and Lengths in Polar Coordinates	Oct	3	4	5	6	7
Infinite Sequences And Series	11.1	Sequences	Wk2	10.4,11.1, 11.2		Quiz 11.1		
	11.2	Series	Oct	10	11	12	13	14
	11.3	The Integral Test and Estimates of Sums		Exam 1: Sec.10.1 – 11.1		Quiz 11.2		
	11.4	The Comparison Tests	Wk3	2:30 – 3:30				
	11.5	Alternating Series	Oct	17	18	19	20	21
	11.6	Absolute Convergence & the Ratio and Root Tests	Wk4	11.3,11.4,11.5		Quiz 11.4,5		
	11.7	Strategy for Testing Series		Quiz 11.3				
	11.8	Power Series	Oct	24	25	26	27	28
	11.9	Representations of Functions as Power Series	Wk5	11.6,11.7,11.8,11.9		Quiz 11.8,9		
	11.10	Taylor and MacLaurin Series		Quiz11.6,7				
	11.11	Applications of Taylor Polynomials	Oct	31	1	2	3	4
Vector And The geometry Of Space	12.1	Three-Dimensional Coordinate Systems	Nov	11.10, 11.11, 12.1, 12.2		Quiz 12.1, 2		
	12.2	Vectors	Wk6	Quiz11.10				
	12.3	The Dot Product	Nov	7	8	9	10	11
	12.4	The Cross Product	Wk7	12.3		Quiz 12.3		Veterans Day Holiday
	12.5	Equations of Lines and Planes	Nov	Exam 2: Sec. 11.2 – 11.11				
	12.6	Cylinders and Quadric Surfaces	Wk8	14	15	16	17	18
Vector Functions	13.1	Vector Functions and Space Curves		12.4, 12.5		Quiz 12.5		last day to drop w/W
	13.2	Derivatives and Integrals of Vector Functions	Nov	21	22	23	24	25
	13.3	Arc Length and Curvature	Wk9	12.6, 13.1		Quiz 13.1	Thanksgiving	Thanksgiving
	13.4	Motion in Space: Velocity and Acceleration	Nov	28	29	30	1	2
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	13.2		Quiz 13.2		
			Wk10	Exam 3: Sec.12.1 – 12.6				
			Dec	5	6	7	8	9
			Wk11	13.3, 13.4		Quiz 13.4		
			Dec	12	13	14	15	16
			Wk12	Final: 1:45– 3:45p	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.

Office Hours:

Zoom

W,TH

01:00 PM

02:40 PM