COURSE: Math 1C-20Z Calculus
CRN: 10148
DAY: MTuWTh
TIME: 12:30 -2:45p

QUARTER: Summer 2022
INSTRUCTOR: Millia Ison
E-mail: isonmillia@fhda.edu
OFFICE Hour: By Appointment

OFFICE Zoom Link: https://fhda-edu.zoom.us/j/95244405559 **Zoom ID:** 952 4440 5559

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 and quizzes are on Web Assign.

EQUIPMENT: A graphic calculator and a computer with graph capability is required.

GRADING:

Homework -180 points, 36%	A: 93% - 96 % , 465 - 500 pts	C+: 76% - 79 % , 380 - 399 pts
Quizzes --- 80 points, 16%	A– : 90% - 92 % , 450 - 464 pts	C: 70 % - 75 %, 350 - 379 pts
2 midterms -120 points, 24%	B+: 87% - 89 % , 435 - 449 pts	D: 60 % - 69 %, 300 - 349 pts
Final exam -120 points, 24%	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 August 3, Wednesday, 11:59 pm. **No Extension under any circumstances.** The total points on WebAssign are 1108(subject to change). Out of which, 1080 points are required (subject to change). If you have 1080, you earn 160 points (full credit) toward your grade. If you have total of 1112, then $1112/1080 \approx 1.03$, 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: 4 quizzes each week (3 quizzes if a week has exam), due at the end of each meeting, available 30 minutes 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.

Exams and Points: 60 points each. July 11 and July 28, 1:30 - 2:45p. **No make- up midterm exams.** 0 point for missed exam. For unusual circumstances, the percentage of your final exam score multiply by 60 will replace the exam score. Student must email me to state the unusual situation on or before the exam day.

FINAL EXAM: 120 points. August 4, Thursday, 12:30 – 2:30 pm. **Fail to take the final exam, you will receive "F" for your grade.**

Exams and quizzes are to test your understanding of the classroom discussions and homework assignments. **Notes and graphic calculator are allowed for quizzes and exams**

IMPORTANT DATES: Thursday, June 30 --- Last day to drop without grade on you record.
Wednesday, July 27 --- Last day to drop with a "W".

I may drop student due to inactive in the class. However, student is responsible to drop or withdraw from the class. The last day for you to withdraw is July 27. After that day, you will receive a grade.

Math 1C-20Z Summer 2022 Calendar 12:30-2:45p

Chapter	SEC	PROBLEMS
Parametric Equations And Polar Coordinate	10.1	Curves Defined by Parametric Equations
	10.2	Calculus with Parametric Curves
	10.3	Polar Coordinates
	10.4	Areas and Lengths in Polar Coordinates
Infinite Sequences And Series	11.1	Sequences
	11.2	Series
	11.3	The Integral Test and Estimates of Sums
	11.4	The Comparison Tests
	11.5	Alternating Series
	11.6	Absolute Convergence & the Ratio and Root Tests
	11.7	Strategy for Testing Series
	11.8	Power Series
	11.9	Representations of Functions as Power Series
	11.10	Taylor and MacLaurin Series
	11.11	Applications of Taylor Polynomials
Vector And The geometry Of Space	12.1	Three–Dimensional Coordinate Systems
	12.2	Vectors
	12.3	The Dot Product
	12.4	The Cross Product
	12.5	Equations of Lines and Planes
	12.6	Cylinders and Quadric Surfaces
Vector Functions	13.1	Vector Functions and Space Curves
	13.2	Derivatives and Integrals of Vector Functions
	13.3	Arc Length and Curvature
	13.4	Motion in Space: Velocity and Acceleration

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.

	Monday	Tuesday	Wednesday	Thursday
June	27	28	29	30
	10.1,10.2	10.3	10.4	11.1, 11.2
Wk1		Quiz 10.3	Quiz 10.4	Quiz 11.1
July	4	5	6	7
	Holiday	11,2, 11.3	11.3, 11.4	11.5
Wk2		Quiz 11.2	Quiz 11.3	Quiz 11.4,5
July	11	12	13	14
	Exam 1: Sec.10.1 – 11.5	11.6	11.7,11.8	11.9
Wk3		Quiz11.6	Quiz 11.7	Quiz 11.8
July	18	19	20	21
	11.10	11.10, 11.11	12.1, 12.2	12.2, 12.3
Wk4	Quiz 11.9	Quiz11.10	Quiz 12.1, 2	Quiz 12.3
July	25	26	27	28
	12.4, 12.5	12.5	12.5, 12.6	Exam 2: sec. 11.6 –12.6
Wk5	Quiz 12.4	Quiz 12.5	Quiz 12.6	
Aug.	1	2	3	4
	13.1, 13.2	13.3	13.4, Quiz 13.4	Final: 12:30 – 2:45p
Wk6	Quiz13.2	Quiz 13.3	HW Due: 11:59p	Sec. 10.1 – 13.4

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: