COURSE: Math 1C-51Z, CRN 46124 **QUARTER:** Spring 2021
DAY: Asynchronous **INSTRUCTOR**: Millia Ison
EXAM TIME: Wednesdays, 6 – 7 pm **FINAL EXAM:** Wed., 6/23, 6-8pm
EMAIL: **isonmillia@fhda.edu** ~~**OFFICE NUMBER**: S76e~~
OFFICE HOUR: MWTuTh, 2:30 -3:30 pm by zoom.
Here is the link: https://fhda-edu.zoom.us/j/95413984049 , Meeting ID: 954 1398 4049.

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	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 bases. However all homework is due on June 22, 11:59 pm. **No Extension under any circumstances.** Total points on WebAssign is 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, 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 18 quizzes this quarter. 2 lowest scores will be dropped.

EXAM POINTS: 50 points each. **Wednesdays.** Dates 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: 100 points. Wednesday, June 23, 6:00 – 8:00 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 final exam will be grounds for disciplinary action.**

IMPORTANT DATES: Sunday, April 18 --- Last day to drop without grade on your record.
Friday, May 28 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is May 28**.** After that day, you will receive a grade.

Text: Stewart 8th edition **Math 1C-51Z Spring 2021 Calendar** **CRN 46124** **Online**

Chapter	SEC	PROBLEMS
	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 Sequencs 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 amount of exercises you need to do. If you don't master the material well afterdoing WebAssign, work with more of the similar problems in the text.

	Monday	Tuesday	Wednesday	Thursday	Friday
April	5	6	7	8	9
Wk1	Follow Canvas Module Week 1 to Learn 10.1, 10.2 and 10.3. Do homework of these sections. Complete Quiz 10.2 and Quiz 10.3.				
April	12	13	14	15	16
Wk2	Follow Canvas Module Week 2 to Learn 10.4 and 11.1 Do homework of these sections. Complete Quiz 10.4 and Quiz 11.1				
April	19	20	21	22	23
Wk3	Learn 11.2, do homework 11.2 and complete Quiz 11.2		Exam 1 6:00 – 7:00p 10.1 – 11.1	Learn 11.3, do homework 11.3	
April	26	27	28	29	30
Wk4	Follow Canvas Module Week 4 to Learn 11.4, 11.5 and 11.6 Do homework of these sections. Complete Quiz 11.3 and Quiz 11.4,5				
May	3	4	5	6	7
Wk5	Follow Canvas Module Week 5 to Learn 11.8,11.9 and 11.10 Do homework of these sections. Complete Quiz11.6,7 and Quiz 11.8,9				
May	10	11	12	13	14
Wk6	Do Quiz 11.10 Learn 11.11, do homework 11.11		Exam 2 6:00 – 7:00p 11.2 – 11.11	Learn 12.1 and do homework 12.1	
May	17	18	19	20	21
Wk7	Follow Canvas Module Week 7 to Learn 12.2 and 12.3 Do homework of these sections. Complete Quiz 12.1, 2 and Quiz 12.3				
May	24	25	26	27	28
Wk8	Follow Canvas Module Week 8 to Learn 12.4, 12.5 and 12.6. Do Homework and Complete Quiz 12.4 and Quiz 12.5				last day to drop w/W
May	31	1	2	3	4
June Wk9	Memorial Holiday	Continue 12.6 Do Quiz 12.6	Exam 3 6:00 – 7:00p 12.1 – 12.6	Learn 13.1 and do Homework 13.1	
June	7	8	9	10	11
Wk10	Follow Canvas Module Week 10 to Learn 13.2 and13.3. Do homework of these sections. Complete Quiz 13.1 and Quiz 13.2				
June	14	15	16	17	18
Wk11	Follow Canvas Module Week 11 to Learn 13.3 and 13.4 Do homework of these sections. Complete Quiz 13.3 and Quiz 13.4				
June	21	22	23	24	25
Wk12		**Homework** **Due 11:59 pm**	Final 6:00 – 8:00p		

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.