COURSE: Math 1C-27Z, CRN 40248 **QUARTER:** Spring 2023
DAY: TuTh 4:00 – 6:15 pm **INSTRUCTOR**: Millia Ison
Online: Join URL: https://fhda-edu.zoom.us/j/83428566647 ~~**OFFICE NUMBER**: S76e~~ **ZOOM**
OFFICE HOUR: MW 10:00 -11:40 am. Link: https://fhda-edu.zoom.us/j/95244405559
EMAIL: **isonmillia@fhda.edu**

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	A: ≥ 93%, 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 27, 11:59 pm. **No Extension under any circumstances.** Total points on WebAssign is 1216(subject to change). Out of which, 1185 points are required (subject to change). If you have 1185, you earn 160 points (full credit) toward your grade. If you have total of 1210, then$1210 \div 1185 = 1.02$, 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: 5 points each. 5:45 – 6:15 pm each meeting. **NO EXTENSION**. Absent will be counted as 0. There are 19 quizzes this quarter. 3 lowest scores will be dropped.

EXAM POINTS: 50 points each. **4/25, 5/23 and 6/13, Tuesdays**. Dates are also listed on the calendar next page. **No make-up midterm exams.** 0 point for missed exam. For unusual circumstances, you must contact me before or on the exam day. The percentage of your final exam score multiply by 50 will replace the exam score.

FINAL EXAM: 110 points. Thursday, June 30, 4:00 – 6:00 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, April 18 --- Last day to drop without grade on your record.
Friday, June 2 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is June 2. After that day, you will receive a grade.

Text: Stewart 9th edition **Math 1C-27Z Spring 2023 Calendar** **CRN 40248** **Online 4 – 6:15p**

Chapter	SEC	PROBLEMS
Parametric Equations AndPolar 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 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 and Absolute Convergence
	11.6	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

	Monday	Tuesday	Wednesday	Thursday	Friday
April	10	11	12	13	14
Wk1		10.1, 10.2 Quiz 10.2		10.3 Quiz 10.3	
April	17	18	19	20	21
Wk2		10.4 Quiz 10.4		11.1 Quiz 11.1	
April	24	25	26	27	28
Wk3		Exam 1 5 – 6p Sec.10.1 – 11.1		11.2 Quiz 11.2	
May	1	2	3	4	5
Wk4		11.3, 11.4 Quiz 11.3		11.4, 11.5 Quiz 11.4,5	
May	8	9	10	11	12
Wk5		11.6, 11.7 Quiz11.6,7		11.8 &11.9 Quiz 11.8,9	
May	15	16	17	18	19
Wk6		11.10, 11.11 Quiz 11.10		12.1, 12.2 Quiz 12.1, 2	
May	22	23	24	25	26
Wk7		Exam 2 5 - 6 pm Sec. 11.2 – 11.11		12.3 Quiz 12.3	
May June	29 Memorial Day Holiday	30 12.4 Quiz 12.4	31	1 12.5 Quiz 12.5	2 last day to drop w/W
Wk8					
June	5	6	7	8	9
Wk9		12.6 Quiz12.6		13.1 Quiz 13.1	
June	12	13	14	15	16
Wk10		Exam 3 5 - 6 pm Sec. 12.1 – 12.6		13.2 Quiz 13.2	
June	19 Juneteenth Holiday	20 13.3 Quiz 13.3	21	22 13.4 Quiz 13.4	23
Wk11					
June	26	27 HW Due 11:59 p	28	29 Final 4:00 – 6:00p	30
Wk12					

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:

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