COURSE: Math 1C-13, CRN 27506 **QUARTER:** Fall 2025
DAY: MW 1:30p – 3:45p **INSTRUCTOR**: Millia Ison
ROOM: S46/S44 **EMAIL:** **isonmillia@fhda.edu**
OFFICE PHONE: 864-5659
OFFICE HOUR: MW 6:20-7:00p. In person, **OFFICE NUMBER**: S76e
TuTh: 11:30a-12:30p. Online, **ZOOM** Link: https://fhda-edu.zoom.us/j/95244405559

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 process (Canvas Homepage purchase link will do the same). 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 basis. However, all homework is due on Tue. December 9, 11:59 pm. **No Extension under any circumstances.** Total points on WebAssign is 1136(subject to change). Out of which, 1100 points are required (subject to change). If you have 1100, you earn 160 points (full credit) toward your grade. If you have total of 1136, then $1136/1100 \gg 1.03$, that is 103%, $103\% \times 160 \approx 165$, which is 5 points extra credit. The total amount of the extra credit will be decided after the final exam.

QUIZ POINTS: 5 points each. 2:45 – 3:15 pm each meeting. You must take quiz in person. Absent will be counted as 0. **NO EXTENSION.** There are 19 quizzes this quarter. 3 lowest scores will be dropped.

EXAM POINTS: 50 points each. Dates are also listed on the calendar next page. **No make-up midterm exams.** 0 point for missed exam. No exam score will be dropped. For unusual circumstances, students must contact me on or before the exam time. The *percentage* of your final exam score multiplied by 50 will replace the exam score. For the 2nd and 3rd missed midterm due to unusual situation, students must contact me to schedule a special written or oral exam.

FINAL EXAM: 110 points. Monday, Dec. 8, 1:45pm – 3:45 pm. Doing Final Exam Review is optional. If you 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, October 5 --- Last day to drop without grade on your record.
Friday, November 14 --- Last day to drop with a "W".

The student is responsible to withdraw from the class. The last day for you to withdraw is **November 14.** After that day, you will receive a grade.

Text: Stewart 9th edition **Math 1C-13 Fall 2025 Calendar** **MW 1:30p – 3:45p** **Room: S46/S44**

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
Sep Wk1	22 10.1, 10.2 Quiz 10.2	23	24 10.3 Quiz 10.3	25	26
Sep Oct Wk2	29 10.4 Quiz 10.4	30	1 11.1 Quiz 11.1	2	3
Oct Wk3	6 Exam 1 2:30 – 3:30p Sec.10.1 – 11.1	7	8 11.2 Quiz 11.2	9	10
Oct Wk4	13 11.3,11.4 Quiz 11.3	14	15 11.4, 11.5 Quiz 11.4,5	16	17
Oct Wk5	20 11.6, 11.7 Quiz11.6,7	21	22 11.8 &11.9 Quiz 11.8,9	23	24
Oct Wk6	27 11.10 Quiz 11.10	28	29 11.10, 11.11 Quiz 11.10,11	30	31
Nov Wk7	3 Exam 2 2:30 -3:30p Sec. 11.2 – 11.11	4	5 12.1, 12.2 Quiz 12.1,2	6	7
Nov Wk8	10 12.3 Quiz 12.3	11 Veterans Day Holiday	12 12.4 Quiz 12.4	13	14 last day to drop w/W
Nov Wk9	17 12.5 Quiz 12.5	18	19 12.6 Quiz 12.6	20	21
Nov Wk10	24 Exam 3 2:30 - 3:30p Sec. 12.1 – 12.6	25	26 13.1, 13.2 Quiz 13.2	27 Thanksgiving Holiday	28 Thanksgiving Holiday
Dec Wk11	1 13.3 Quiz 13.3	2	3 13.3, 13.4 Quiz 13.4	4	5
Dec Wk12	8 Final Exam 1:45p– 3:45p	9 **HW Due 11:59p**	10	11	12

Student Learning Outcome(s):

• 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	6:20 PM - 7:00 PM	S76E
T,TH	11:30 AM - 12:30 PM	Zoom