

COURSE: Math 1C-17, CRN 38462 **QUARTER:** Winter 2025
DAY: TuTh 1:30p – 3:45 p **INSTRUCTOR:** Millia Ison
ROOM: S45/S44 **OFFICE NUMBER:** S76e
ZOOM OFFICE HOUR: MW 9:00p-10:40p. 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 basis. However, all homework is due on Tue. March 25, 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 $1136/1100 \approx 1.03$, 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. **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. Dates are also listed on the calendar next page. **No make-up midterm exams**. 0 point for missed exam. For unusual circumstances, student must contact me on or before the exam time. The percentage of your final exam score multiply 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. **Tuesday, March 25, 1:45pm – 3:45 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, Jan. 19 --- Last day to drop without grade on your record.
Friday, Feb. 28 --- Last day to drop with a "W".

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

Chapter	SEC	PROBLEMS		Monday	Tuesday	Wednesd ay	Thursday	Friday
Parametric Equations And Polar Coordinate	10.1	Curves Defined by Parametric Equations	Jan	6	7	8	9	10
	10.2	Calculus with Parametric Curves	Wk1		10.1, 10.2		10.3	
	10.3	Polar Coordinates			Quiz 10.2		Qioz 10.3	
	10.4	Areas and Lengths in Polar Coordinates	Jan	13	14	15	16	17
Infinite Sequences And Series	11.1	Sequences	Wk2		10.4		11.1	
	11.2	Series	Jan	20	21	22	23	24
	11.3	The Integral Test and Estimates of Sums	Wk3	MLK Birthday	Exam 1 2:30 – 3:30p		11.2	
	11.4	The Comparison Tests		Sec.10.1 – 11.1	Quiz 11.2			
	11.5	Alternating Series and Absolute Convergence	Jan	27	28	29	30	31
	11.6	The Ratio and Root Tests	Wk4		11.3,11.4		11.4, 11.5	
	11.7	Strategy for Testing Series			Quiz 11.3		Quiz 11.4,5	
	11.8	Power Series	Feb	3	4	5	6	7
	11.9	Representations of Functions as Power Series	Wk5		11.6, 11.7		11.8 & 11.9	
	11.10	Taylor and MacLaurin Series			Quiz 11.6,7		Quiz 11.8,9	
	11.11	Applications of Taylor Polynomials	Feb	10	11	12	13	14
Vector And The Geometry Of Space	12.1	Three-Dimensional Coordinate Systems	Wk6		11.10		11.11, 12.1	Lincoln's Birthday
	12.2	Vectors	Feb	17	18	19	20	21
	12.3	The Dot Product	Wk7	Washington's Birthday	Exam 2 2:30 – 3:30p		12.2	
	12.4	The Cross Product		Sec. 11.2 – 11.11	Quiz 12.1,2			
	12.5	Equations of Lines and Planes	Feb	24	25	26	27	28
	12.6	Cylinders and Quadric Surfaces	Wk8		12.3		12.4, 12.5	last day to drop w/W
Vector Functions	13.1	Vector Functions and Space Curves	Mar	3	4	5	6	7
	13.2	Derivatives and Integrals of Vector Functions	Wk9		12.5, 12.6		12.6, 13.1	
	13.3	Arc Length and Curvature			Quiz 12.5		Quiz 12.6	
	13.4	Motion in Space: Velocity and Acceleration	Mar	10	11	12	13	14
			Wk10		Exam 3 2:30 -3:30p		13.1, 13.2	
					Sec. 12.1 – 12.6		Quiz 13.2	
			Mar	17	18	19	20	21
		Wk11		13.3		13.4		
				Quiz 13.3		Quiz 13.4		
		Mar	24	25	26	27	28	
		Wk12		Final Exam 1:45p– 3:45p HW Due 11:59p				

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 09:00 AM 10:40 AM Zoom