

COURSE: Math 1C-15Z, CRN 27507
DAY: TuTh 4:00p – 6:15 p
EMAIL: isonmillia@fhda.edu

QUARTER: Fall 2024
INSTRUCTOR: Millia Ison
OFFICE NUMBER: S76e

ZOOM LINK: <https://fhda-edu.zoom.us/j/81705600630>

ZOOM OFFICE HOUR: TuTh 1:00p-2:40p. 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 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: $\geq 93\%$, 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 **Tue. December 10, 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. 5:45 – 6:15 pm each meeting. **NO EXTENSION.** Absent will be counted as 0. There are 18 quizzes this quarter. 2 lowest scores will be dropped.

EXAM POINTS: 50 points each. Dates are 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. Then 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. **Thursday, Dec. 12, 4 – 6 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, Oct. 6 --- Last day to drop without grade on your record.
Friday, Nov. 15 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is **Nov. 15**. After that day, you will receive a grade.

Text: Stewart 9th edition

Math 1C-15Z Fall 2024 Calendar

TuTh 4p – 6p

Online

Chapter	SEC	PROBLEMS		Monday	Tuesday	Wednesday	Thursday	Friday
Parametric Equations And Polar Coordinate	10.1	Curves Defined by Parametric Equations	Sept	23	24	25	26	27
	10.2	Calculus with Parametric Curves			10.1, 10.2		10.3	
	10.3	Polar Coordinates	Wk1		Quiz 10.2		Quiz 10.3	
	10.4	Areas and Lengths in Polar Coordinates	Sept	30	1	2	3	4
Infinite Sequences And Series	11.1	Sequences	Oct		10.4		11.1	
	11.2	Series	Wk2		Quiz 10.4		Quiz 11.1	
	11.3	The Integral Test and Estimates of Sums	Oct	7	8	9	10	11
	11.4	The Comparison Tests	Wk3		Exam 1 5p - 6p Sec.10.1 – 11.1		11.2	
	11.5	Alternating Series and Absolute Convergence	Oct	14	15	16	17	18
	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	Oct	21	22	23	24	25
	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	Oct	28	29	30	31	1
Vector And The Geometry Of Space	12.1	Three-Dimensional Coordinate Systems	Nov		11.10, 11.11		12.1, 12.2	
	12.2	Vectors	Wk6		Quiz 11.10		Quiz 12.1, 2	
	12.3	The Dot Product	Nov	4	5	6	7	8
	12.4	The Cross Product	Wk7		Exam 2 5p - 6p Sec. 11.2 – 11.11		12.3	
	12.5	Equations of Lines and Planes	Nov	11	12	13	14	15
12.6	Cylinders and Quadric Surfaces	Wk8	Veterans Day Holiday	12.4, 12.5		12.5	last day to drop w/W	
Vector Functions	13.1	Vector Functions and Space Curves	Nov	18	19	20	21	22
	13.2	Derivatives and Integrals of Vector Functions	Wk9		12.6		13.1, 13.2	
	13.3	Arc Length and Curvature			Quiz 12.6		Quiz 13.2	
	13.4	Motion in Space: Velocity and Acceleration	Nov	25	26	27	28	29
		Dec		Exam 3 5p - 6p Sec. 12.1 – 12.6		Thanksgiving	Thanksgiving	
		Wk10						
		Dec	2	3	4	5	6	
		Wk11		13.3		13.4		
				Quiz 13.3		Quiz 13.4		
		Dec	9	10	11	12	13	
				HW Due 11:59 p		Final 4p – 6p		

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:

T,TH 01:00 PM 02:40 PM Zoom