

**COURSE:** Math 1C-03Z, CRN 31102      **QUARTER:** Winter 2021  
**DAY:** M-F 8:30 – 9:20 am      **INSTRUCTOR:** Millia Ison  
**EMAIL:** [isonmillia@fhda.edu](mailto:isonmillia@fhda.edu)      **OFFICE NUMBER:** S76e  
**OFFICE HOUR :** MWTuTh, 12:00 -1:00 pm online.  
**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:** Class key: **deanza 9403 7818** Homework, quizzes and exams are on Web Assign. Special price \$60 at <http://services.cengagebrain.com/course/site.html?id=4922575>

**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 -----90 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 ---- 100 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 March 23, 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 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 20 quizzes this quarter. 2 lowest scores will be dropped.

**EXAM POINTS:** 50 points each. Wednesdays, 8:30 – 9:20 am. 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, March 24, 7:00 – 9:00 a.** 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. 17 --- Last day to drop without grade on your record.  
Friday, Feb. 26 --- Last day to drop with a "W".

Student is responsible to withdraw from the class. The last day for you to withdraw is **Feb. 26.** After that day, you will receive a grade.

Chapter	SEC	PROBLEMS		Monday	Tuesday	Wednesday	Thursday	Friday	
Parametric Equations And Polar Coordinate	10.1	Curves Defined by Parametric Equations	Jan	4	5	6	7	8	
	10.2	Calculus with Parametric Curves		10.1	10.1	10.2	10.3	10.3	
	10.3	Polar Coordinates	Wk1		Quiz 10.2		Quiz 10.3		
	10.4	Areas and Lengths in Polar Coordinates	Jan	11	12	13	14	15	
Infinite Sequences And Series	11.1	Sequences	Wk2		10.4	10.4	11.1	11.1	
	11.2	Series	Jan	18	19	20	21	22	
	11.3	The Integral Test and Estimates of Sums		MLKing's Birthday	11.2	Exam 1 8:30 – 9:20a	11.3	11.3	
	11.4	The Comparison Tests	Wk3			10.1 – 11.1	Quiz 11.2		
	11.5	Alternating Series	Jan	25	26	27	28	29	
	11.6	Absolute Convergence & the Ratio and Root Tests		11.4	11.5	11.6	11.7	11.8	
	11.7	Strategy for Testing Series	Wk4		Quiz 11.3		Quiz 11.4,5		
	11.8	Power Series	Feb	1	2	3	4	5	
	11.9	Representations of Functions as Power Series		11.8	11.9	11.10	11.10	11.10	
	11.10	Taylor and MacLaurin Series	Wk5		Quiz 11.6,7		Quiz 11.8,9		
	11.11	Applications of Taylor Polynomials	Feb	8	9	10	11	12	
Vector And The Geometry Of Space	12.1	Three-Dimensional Coordinate Systems	Wk6		11.11	Exam 2 8:30 – 9:20a	12.1	Lincoln's Birthday	
	12.2	Vectors	Feb	15	16	17	18	19	
	12.3	The Dot Product		Washington's Birthday	12.1,2	12.2	12.3	12.3	
	12.4	The Cross Product	Wk7				Quiz 12.1, 2		
	12.5	Equations of Lines and Planes	Feb	22	23	24	25	26	
	12.6	Cylinders and Quadric Surfaces	Wk8		12.4	12.5	12.5	12.5	
Vector Functions	13.1	Vector Functions and Space Curves	Mar	1	2	3	4	5	
	13.2	Derivatives and Integrals of Vector Functions		12.6	12.6	Exam 3 8:30 – 9:20a	13.1	13.1	
	13.3	Arc Length and Curvature	Wk9		Quiz 12.5	12.1 – 12.6	Quiz 12.6		
	13.4	Motion in Space: Velocity and Acceleration	Mar	8	9	10	11	12	
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 after doing WebAssign, work with more of the similar problems in the text.			Wk10		13.2	13.3	13.3	13.3	
			Mar	15	16	17	18	19	
			Wk11		13.3	13.3	13.4	13.4	Review
			Mar	22	23	24	25	26	
			Wk12		Homework Due 11:59 pm	Final 7:00 – 9:00a			



**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.