

COURSE: Math 1C-25 Calculus
DAY: MW
TIME: 4:00 - 6:15 pm
EMAIL: isonmillia@fhda.edu

QUARTER: Fall 2018
INSTRUCTOR: Millia Ison
OFFICE PHONE: 864-5659
OFFICE NUMBER: S76e

OFFICE HOUR : MW: 3:00 – 3:50 pm. TuTh 12:30 – 1:20 pm

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 4796 5749**

EQUIPMENT: A computer is required.

GRADING:

WebAssign ----80 points	A: 93% - 96 % , 558 - 600 pts	C+: 76% - 79 % , 456 - 479 pts
12 quizzes -----70 points	A- : 90% - 92 % , 540 - 557 pts	C: 70 % - 75 % , 420 - 455 pts
3 midterms --- 300 points	B+: 87% - 89 % , 522 - 539 pts	D: 60 % - 69 % , 360 - 419 pts
Final exam ---- 150 points	B: 83% - 86 % , 498 - 521 pts	F: 0 % - 59 % , 0 - 359 pts
Total ----- 600 points	B-: 80% - 82 % , 480 - 497 pts	

QUIZZES: MW, 5 points each quiz.

MIDTERM EXAMS: 100 points each. Dates are on the calendar next page.

Scheduled dates are subject to change.

FINAL EXAM: **Wednesday, December 12**, 4:00 – 6:00 p

Fail to take the final exam, you will receive “F” for your grade.

IMPORTANT NOTES :

- No make-ups for quizzes. Absences are counted as 0's. your 2 lowest quiz grades will be dropped.
- No make-up midterm exams. Absences are counted as 0's. For special circumstances, the percent of your final exam score will be replaced for the missed midterm exam. You must contact me before or on the day of the exam.
- Exams and quizzes are to test your understanding of the classroom discussions and homework assignments. Cheating of any form on quizzes, midterm exams or final exam will be grounds for disciplinary action.

IMPORTANT DATES: Sunday, Oct. 7 --- Last day to drop without grade on your record.

Friday, Nov. 16 --- Last day to drop with a "W".

ATTENDANCE: Regular attendance is required. More than 3 absences without contact me will result in a “W” or “F” for the class. Last day to drop class is **Friday Nov. 16**. After that day, You will receive a grade for the course.

Chapter	SEC	PROBLEMS		Monday	Tuesday	Wednesday	Thursday	Friday
Parametric Equations And Polar Coordinates	10.1	Curves Defined by Parametric Equations	Sept	24	25	26	27	28
	10.2	Calculus with Parametric Curves		10.1		10.2, 10.3		
	10.3	Polar Coordinates						
	10.4	Areas and Lengths in Polar Coordinates	Oct	1	2	3	4	5
				10.4		11.1		
Infinite Sequences And Series	11.1	Sequences						
	11.2	Series	Oct	8	9	10	11	12
	11.3	The Integral Test and Estimates of Sums		11.2		11.3		
	11.4	The Comparison Tests						
	11.5	Alternating Series	Oct	15	16	17	18	19
	11.6	Absolute Convergence & the Ratio and Root Tests		Review Exam 1		11.4, 11.5		
	11.7	Strategy for Testing Series						
	11.8	Power Series	Oct	22	23	24	25	26
		Representations of Functions as Power Series		11.6, 11.7		11.8, 11.9		
	11.9	Taylor and MacLaurin Series						
	11.10	Applications of Taylor Polynomials	Oct	29	30	31	1	2
			Nov	11.9, 11.10		11.11,		President's Day Holiday
Vector And The Geometry Of Space	12.1	Three-Dimensional Coordinate Systems						
	12.2	Vectors	Nov	5	6	7	8	9
	12.3	The Dot Product		Review Exam 2		12.1, 12.2		
	12.4	The Cross Product						
	12.5	Equations of Lines and Planes	Nov	12	13	14	15	16
	12.6	Cylinders and Quadric Surfaces		Veterans Day Holiday		12.3		last day to drop w/W
Vector Functions	13.1	Vector Functions and Space Curves	Nov	19	20	21	22	23
	13.2	Derivatives and Integrals of Vector Functions		12.4, 12.5		12.5, 12.6	Thanksgiving	Thanksgiving
	13.3	Arc Length and Curvature						
	13.4	Motion in Space: Velocity and Acceleration	Nov	26	27	28	29	30
				13.1, 13.2		Review Exam 3		
			Dec	3	4	5	6	7
			13.3		13.4 Review			
		Dec	10	11	12	13	14	
					Final 4-6p			

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.