

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

QUARTER: Fall 2017
INSTRUCTOR: Millia Ison
OFFICE PHONE: 864-5659
OFFICE NUMBER: S76e

OFFICE HOUR : M – Th: 6:20 – 7:10p

COURSE PREREQUISITES: Math 1B, or equivalent course with a grade "C" or better.

TEXT: Calculus: Early Transcendentals, by James Stewart, 7th edition.

ENROLL WEB ASSIGN : Class Key: **deanza 1050 5622**

EQUIPMENT: A computer is required.

SLO: 1. Graphically, analytically, numerically and verbally analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.

2. Apply infinite sequence and series in approximating functions.

3. Synthesize and apply vectors, polar coordinate system and parametric representations in solving problems in analytic geometry, including motion in space.

GRADING:

WebAssign ----100 points
5 quizzes -----50 points
3 midterms --- 300 points
Final exam ---- 150 points
Total ----- 600 points

A:	93% - 96 % , 558 - 600 pts
A- :	90% - 92 % , 540 - 557 pts
B+:	87% - 89 % , 522 - 539 pts
B:	83% - 86 % , 498 - 521 pts
B-:	80% - 82 % , 480 - 497 pts

C+:	76% - 79 % , 456 - 479 pts
C:	70 % - 75 % , 420 - 455 pts
D:	60 % - 69 % , 360 - 419 pts
F:	0 % - 59 % , 0 - 359 pts

QUIZZES: Wednesdays. 10 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 13, 4:00 – 6:00p

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. 8 --- Last day to drop without grade on your record.

Friday, Nov. 17 --- 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 17**. 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	25	26	27	28	
	10.2	Calculus with Parametric Curves		10.1		10.2, 10.3 quiz 1		
	10.3	Polar Coordinates						
	10.4	Areas and Lengths in Polar Coordinates	Oct	2 10.4	3	4 11.1 quiz 2	5	Sunday 10/8 last day to drop w/no g
Infinite Sequences And Series	11.1	Sequences						
	11.2	Series	Oct	9 11.2, 11.3	10	11 Review Exam 1	12	
	11.3	The Integral Test and Estimates of Sums						
	11.4	The Comparison Tests						
	11.5	Alternating Series	Oct	16 11.4, 11.5	17	18 11.6, 11.7 quiz 3	19	
	11.6	Absolute Convergence & the Ratio and Root Tests						
	11.7	Strategy for Testing Series						
	11.8	Power Series	Oct	23 11.8, 11.9	24	25 11.9, 11.10 uiz 4	26	
	11.9	Representations of Functions as Power Series						
	11.10	Taylor and MacLaurin Series						
	11.11	Applications of Taylor Polynomials	Oct Nov	30 11.11, 12.1	31	1 Review Exam 2	2	
Vector And The Geometry Of Space	12.1	Three-Dimensional Coordinate Systems						
	12.2	Vectors	Nov	6 12.2	7	8 12.3 quiz 5	9	Veterans Day Holiday
	12.3	The Dot Product						
	12.4	The Cross Product						
	12.5	Equations of Lines and Planes	Nov	13 12.4, 12.5	14	15 12.5, 12.6 quiz 6	21	last day to drop w/W
	12.6	Cylinders and Quadric Surfaces						
Vector Functions	13.1	Vector Functions and Space Curves	Nov	20 13.1, 13.2	21	22 13.2, 13.3	23 Thanks- giving	Thanksgiving
	13.2	Derivatives and Integrals of Vector Functions						
	13.3	Arc Length and Curvature						
	13.4	Motion in Space: Velocity and Acceleration	Nov Dec	27 13.3	28	29 Review Exam 3	30	
			Dec	4 13.4	5	6 Review quiz 7	7	
			Dec	11	12	13 Final 4 – 6p	14	

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 afterdoing WebAssign, work with more of the similar problems in the text.