

COURSE: Math 1C-27 Calculus
DAY: TuTh
TIME: 4:00 - 6:15 pm
EMAIL: isonmillia@fhda.edu

QUARTER: Spring 2019
INSTRUCTOR: Millia Ison
OFFICE PHONE: 864-5659
OFFICE NUMBER: S76e

OFFICE HOUR : MW: 12:30 – 1:20 pm; TuTh: 6:20 – 7:10 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 3968 9907**

EQUIPMENT: A computer or a computer with graph capability is required.

GRADING:

WebAssign ----75 points	A: 93% - 96 % , 558 - 600 pts	C+: 76% - 79 % , 456 - 479 pts
13 quizzes -----75 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	

Homework Points: You need to do your homework on a regular bases. However all homework is due on March 28. Total points on WebAssign is 1141(subject to change). Out of which, 1010 points are required (subject to change). If you have 1010, you earn 75 points (full credit) toward your grade. If you have total of 1080, then $1080/1010 \approx 1.07$, that is 107%, $107\% \cdot 75 \approx 80$, you have 80 points for homework, which is 5 points extra credit. The total amount of the extra credit will be decided after the final exam.

Quiz Points: 6 points each quiz, ^[11]_{SEP} 2 quizzes each week (1 quiz in an exam week). You must take quiz in class. **NO make-up quiz. Absent or taking a quiz outside of class is 0 for the quiz.** There are 17 quizzes this quarter. 13 quizzes are required. The extra quizzes either will be dropped (lowest scores) or will be extra credit. The total amount of the extra credit will be determined after the final exam.

EXAM POINTS: 100 points each. Dates are on the calendar the next page. Scheduled dates are subject to change. **NO make-up midterm exams.** Absences are counted as 0's. If the percent of your final exam score is higher than some of your exams, it will replace the lowest exam score. It can only replace 1 out of 3 exams. For example: your lowest exam score is 73%, your achieve 120/150 on the final exam, which is 80%. Then the 73 on the exam is replaced by 80. If all your 3 exams are higher than your final exam percentage, then your exam scores will not change. People doing better on the final will help their overall score.

FINAL EXAM: **Thursday, June 27**, 4:00 – 6:00 p

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

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, April 21 --- Last day to drop without grade on your record.
Friday, May 31 --- 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 **May 31**. 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	April	8	9	10	11	12
	10.2	Calculus with Parametric Curves			10.1		10.2, 10.3	
	10.3	Polar Coordinates						
	10.4	Areas and Lengths in Polar Coordinates	April	15	16	17	18	19
					10.4		11.1, 11.2	
Infinite Sequences And Series	11.1	Sequences						
	11.2	Series	April	22	23	24	25	26
	11.3	The Integral Test and Estimates of Sums			11.2, 11.3		Review	
	11.4	The Comparison Tests					Exam 1	
	11.5	Alternating Series	April	29	30	1	2	3
	11.6	Absolute Convergence & the Ratio and Root Tests	May		11.4, 11.5		11.6, 11.7	
	11.7	Strategy for Testing Series						
	11.8	Power Series	May	6	7	8	9	10
	11.9	Representations of Functions as Power Series			11.8, 11.9		11.9, 11.10	
	11.10	Taylor and MacLaurin Series						
	11.11	Applications of Taylor Polynomials	May	13	14	15	16	17
					11.11		Review Exam 2	
Vector And The Geometry Of Space	12.1	Three-Dimensional Coordinate Systems						
	12.2	Vectors	May	20	21	22	23	24
	12.3	The Dot Product			12.1, 12.2		12.3	
	12.4	The Cross Product						
	12.5	Equations of Lines and Planes	May	27	28	29	30	31
	12.6	Cylinders and Quadric Surfaces		Memorial Day Holiday	12.4		12.5	last day to drop w/W
Vector Functions	13.1	Vector Functions and Space Curves	June	3	4	5	6	7
	13.2	Derivatives and Integrals of Vector Functions			12.6		13.1, 13.2	
	13.3	Arc Length and Curvature						
	13.4	Motion in Space: Velocity and Acceleration	June	10	11	12	13	14
					Review Exam 3		13.3	
			June	17	18	19	20	21
					13.4		Review	
			June	24	25	26	27	28
							Final 4:00 – 6:00p	

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.