COURSE:Math 1B-27 CalculusQUARTER:Fall 2019DAY:TuThINSTRUCTOR:Millia IsonTIME:4:00 – 6:15 pOFFICE PHONE:864-5659EMAIL:isonmillia@fhda.eduOFFICE NUMBER:S76e

OFFICE HOUR: MW: 3:30 – 3:50 pm. in office S76e; TuTh: 12:00 -12:50 pm online. **COURSE PREREQUISITES**: Math 1A, or equivalent course with a grade "C" or better.

TEXT: Calculus: Early Transcendentals, by James Stewart, 8th edition.

ENROLL WEB ASSIGN : Class code: deanza 9190 7888

EQUIPMENT: A graphic calculator or computer with graph capability is required.

GRADING:

WebAssign75 points	A: 93% - 96 % , 558 - 600 pts	C+: 76% - 79 % , 456 - 479 pts
13 quizzes75 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 Dec. 11. Total points on WebAssign is 670(subject to change). Out of which, 620 points are required (subject to change). If you have 620, you earn 75 points (full credit) toward your grade. If you have total of 650, then 650 / 620 » 1.05, that is 105%, 105% ´75 » 79, you have 79 points for homework, which is 4 points extra credit. The total amount of the extra credit will be decided after the final exam.

Quiz Points: 6 points each quiz 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, December 12, 4-6p

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, Oct. 6 --- Last day to drop without grade on your record. Friday, Nov. 15 --- Last day to drop with a "W".

ATTENDANCE: Regular attendance is required. Frequent absences will result in a "W" or "F" for the class. The last day for you to drop the class is Nov. 15. After that day, you will receive a grade.

Text: Stewart 8th edition

MATH 1B-27 Fall 2019 Calendar

Room S54

Text: Stewart 8 edition WATH 1B-27			7 Fall 2019 Calelluar			K00III 554		
Chapter	SEC	Topics		Monday	Tuesday	Wednesday	Thursday	Friday
	5.1	Areas and Distances	Sept	23	24	25	26	27
	5.2	The Definite Integral			5.1		5.2	
Integrals	5.3	The Fundamental Theorem of Calculus						
eg. ae	5.4	Indefinite Integrals and the Net Change Thm	Sept	30	1	2	3	4
	5.5	The Substitution Rule	Oct		5.3, 5.4		5.4, 5.5	7
Appendix G	6.1	Aresa Between Curves	Oct	7	8	9	10	11
Applications	6.2	Volumes			6.1, 6.2		Exam 1	
of	6.3	Volume by Cylindrical Shells						
Integrals	6.4	Work	Oct	14	15	16	17	18
	6.5	Average Value of a Function			6.2, 6.3		6.4	
	7.1	Integration by Parts	Oct	21	22	23	24	25
	7.2	Trigonometric Integrals	OCI	21	6.5, 7.1	20	7.2	25
Techniques	7.3	Trigonometric Substitution			0.0, 7.1		1.2	
of	7.4	Integration of Rat'l Functins by Partial Fractions	Oct	28	29	30	31	1
Integration	7.5	Strategy for Integration	Nov	20	7.3	00	Exam 2	'
eg.ae	7.7	Approximate Integration						
	7.8	Improper Integrals	Nov	4	5	6	7	8
					7.4		7.5, 7.7	
	8.1	Are Length					·	
Further	10.2	Parametric arclength	Nov	11	12	13	14	15
Applications	8.3	Applications to Physics and Engineering		Veterans Day	7.8		8.1, 10.2	
7 10 10 10 10 10 10 10 10 10 10 10 10 10	8.5	Probability		Holiday				last day to drop w/W
	9.1	Modeling with Differential Equations	Nov	18	19	20	21	22
Differential	9.2	9.2 Direction Fields and Euler's Method			8.3		Exam 3	
Equations	9.3	9.3 Separable Equations						
			Nov	25	26	27	28	29
					8.5		Thanksgiving	Thanksgiving
All hor	mewor	k assignments and due dates are listed						
on WebAssign.		Dec	2	3	4	5	6	
				9.1, 9.2		9.3		
These are the least amount of exercises you need to								
do. If you don't master the material well afterdoing			Dec	9	10	11	12	13
WebAssign, work with more of the similar problems in the							Final	
text.							4:00 – 6:00 p	

Student Learning Outcome(s):

- *Analyze the definite integral from a graphical, numerical, analytical, and verbal approach, using correct notation and mathematical precision.
- *Formulate and use the Fundamental Theorem of Calculus.
- *Apply the definite integral in solving problems in analytical geometry and the sciences.