COURSE: Math 1B-27 Calculus   **QUARTER**:   Spring 2017
DAY: TuTh   **INSTRUCTOR**:   Millia Ison
TIME: 4:00 – 6:15 p   **OFFICE PHONE**:   864-5659
EMAIL: isonmillia@fhda.edu   **OFFICE NUMBER**:   S76e

OFFICE HOUR : MTuWTh: 6:20 – 7:10 pm
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 7777 6947**
EQUIPMENT: A graphic calculator is required.
SLO: 1. Analyze the definite integral from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.
       2. Formulate and use the Fundamental Theorem of Calculus.
       3. Apply the definite integral in solving problems in analytical geometry and the sciences

GRADING:

WebAssign ----100 points	A: 93% - 96 % , 558 - 600 pts	C+: 76% - 79 % , 456 - 479 pts	
5 quizzes --------50 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: Thursdays. 10 points each quiz.

MIDTERM EXAMS   Thursdays (100 points each). Scheduled dates are subject to change.
           Please see the next page calendar.

FINAL EXAM: Thursday, June 29, 4 – 6 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 lowest quiz grade 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.
     • See the other side for the homework assignment. 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 23 --- Last day to drop without grade on your record.
           Friday, June 2 --- 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 June 2. After that day, you will receive a grade.

Text: Stewart 8th edition — Math 1B-27 Spring 2017 Calendar — Room S45

Chapter	SEC	PROBLEMS		Monday	Tuesday	Wednesday	Thursday	Friday
Hyp/Invhyp	3.11	Hyperbolic and Inverse Hyperbolic Funtions	April	10	11 — 3.11, 5.1	12	13 — 5.1, 5.2	14
Integrals	5.1	Areas and Distances						
	5.2	The Definite Integral						
	5.3	The Fundamental Theorem of Calculus	April	17	18 — 5.2, 5.3	19	20 — 5.3, 5.4 quiz 1	21
	5.4	Indefinite Integrals and the Net Change Thm						
	5.5	The Substitution Rule						
Appendix G		ln as a def. integral & exp as the inv of ln.	April	24	25 — 5.4, 5.5	26	27 — Review Exam 1	28
Applications of Integrals	6.1	Aresa Between Curves						
	6.2	Volumes						
	6.3	Volume by Cylindrical Shells	May	1	2 — App G, 6.1	3	4 — 6.2 quiz 2	5
	6.4	Work						
	6.5	Average Value of a Function						
Techniques of Integration	7.1	Integration by Parts	May	8	9 — 6.3	10	11 — 6.4 quiz 3	12
	7.2	Trigonometric Integrals						
	7.3	Trigonometric Substitution						
	7.4	Integration of Rat'l Funct'ns by Partial Fractions	May	15	16 — 6.5, 7.1	17	18 — Review Exam 2	19
	7.5	Strategy for Integration						
	7.6	Integration Using Tables and Computer						
	7.7	Approximate Integration	May	22	23 — 7.2, 7.3	24	25 — 7.4, 7.5 quiz 4	26
	7.8	Improper Integrals						
Further Applications	8.1	Arc Length						
	10.2	Parametric arclength	May / June	29	30 — 7.6, 7.7	31	1 — 7.8 quiz 5	2 — last day to drop w/W
	8.3	Applications to Physics and Engineering						
	8.5	Probability						
Differential Equations	9.1	Modeling with Differential Equations	May / June	5 — Memorial Day Holiday	6 — 8.1, 10.2	7	8 — Review Exam 3	9
	9.2	Direction Fields and Euler's Method						
	9.3	Separable Equations						
	9.4	Models for Population Growth	June	12	13 — 8.3	14	15 — 8.5, 9.1 quiz 6	16
All homework assignments and due dates are listed on WebAssign.			June	19	20 — 9.2, 9.3	21	22 — 9.4 quiz 7	23
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.			June	26	27	28	29 — Final 4 – 6 p	30