COURSE: Math 1B-25 Calculus   **QUARTER:**   Fall 2016
DAY: MW   **INSTRUCTOR**:   Millia Ison
TIME: 4 – 6:15 p   **OFFICE PHONE**:   864-5659
EMAIL: **isonmillia@fhda.edu**   **OFFICE NUMBER**: S76e

OFFICE HOUR : M – Th: 6:20 – 7:00p, F: 11:40 a -12:20 p
COURSE PREREQUISITES: Math 1A, or equivalent course with a grade "c" or better.
TEXT: Calculus: Early Transcendentals, by James Stewart, 7th edition.
ENROLL WEB ASSIGN : Class code: **deanza 7807 8506**
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: Wednesdays. 10 points each quiz.

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

FINAL EXAM: Wednesday, December 14, 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, Oct 9 --- Last day to drop without grade on your record.
                        Friday, Nov 18 --- 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. 18. After that day, you will receive a grade.

Text: Stewart 7th edition **MATH 1B-25 Fall 2016 Calendar** **Room S45**

Chapter	SEC	PROBLEMS		Monday	Tuesday	Wednesday	Thursday	Friday
Integrals	5.1	Areas and Distances	Sept	26 5.1, 5.2	27	28 5.2, 5.3	29	30
	5.2	The Definite Integral						
	5.3	The Fundamental Theorem of Calculus						
	5.4	Indefinite Integrals and the Net Change Thm	Oct	3 5.3, 5.4	4	5 5.5	6	7
	5.5	The Substitution Rule						
Hyp/Invhyp	3.11	Hyperbolic and Inverse Hyperbolic Funtions				quiz 1		
Appendix G		ln as a def. integral & exp as the inv of ln.	Oct	10 3.11, suppl	11	12 Review Exam 1	13	14
Applications of Integrals	6.1	Aresa Between Curves						
	6.2	Volumes						
	6.3	Volume by Cylindrical Shells	Oct	17 6.1, 6.2	18	19 6.3, 6.4 quiz 2	20	21
	6.4	Work						
	6.5	Average Value of a Function						
Techniques of Integration	7.1	Integration by Parts	Oct	24 6.4, 6.5	25	26 7.1, 7.2 quiz 3	27	28
	7.2	Trigonometric Integrals						
	7.3	Trigonometric Substitution						
	7.4	Integration of Rat'l Funct'ns by Partial Fractions	Oct Nov	31 7.2, 7.3	1	2 Review Exam 2	3	4
	7.5	Strategy for Integration						
	7.6	Integration Using Tables and Computer						
	7.7	Approximate Integration	Nov	7 7.4, 7.5	8	9 7.6, 7.7 quiz 4	10	11 Veteran's day **Holiday**
	7.8	Improper Integrals						
Further Applications	8.1	Are Length						
	10.2	Parametric arclength	Nov	14 7.8	15	16 8.1, 8.2 quiz 5	17	18 last day to drop w/W
	8.3	Applications to Physics and Engineering						
	8.5	Probability						
Differential Equations	9.1	Modeling with Differential Equations	Nov	21 8.3, 8.5	22	23 Review Exam 3	24	25
	9.2	9.2 Direction Fields and Euler's Method						
	9.3	9.3 Separable Equations						
	9.4	9.4 Models for Population Growth	Nov Dec	28 9.1, 9.2	29	30 9.2 quiz 6	1 Thanksgiving	2 Thanksgiving
All homework assignments and due dates are listed on WebAssign.			Dec	5 9.3	6	7 9.4	8	9
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.			Dec	12	13	14 **Final 4p – 6p**	15	16