COURSE: Math 1B-22 Calculus   **QUARTER:**   Winter 2016
DAY: MW   **INSTRUCTOR**:   Millia Ison
TIME: 1:30 – 3:45 p   **OFFICE PHONE**:   864-5659
EMAIL: isonmillia@fhda.edu   **OFFICE NUMBER**: S76e

OFFICE HOUR : MTuWTh: 12:00-12:20p**,** 6:20 – 7:00p
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 1009 1064**
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: Monday, March 21, 1:45 – 3:45p
                       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: Monday, Jan. 18 --- Last day to drop without grade on your record.
                        Friday, Feb. 26 --- 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 Feb. 26**.** After that day, you will receive a
grade.

Text: Stewart 7th edition   **Math 1B-22 Winter 2016 Calendar**   **Room S45**

Chapter	SEC	PROBLEMS
Integrals	5.1	Areas and Distances
	5.2	The Definite Integral
	5.3	The Fundamental Theorem of Calculus
	5.4	Indefinite Integrals and the Net Change Thm
	5.5	The Substitution Rule
Hyp/Invhyp Functions	3.11	Hyperbolic Funtions
	Suppl	7.6, 1-37 odd, 41, 45; 8.3, 3-23 odd, 24,27,31.
Applications of Integrals	6.1	Aresa Between Curves
	6.2	Volumes
	6.3	Volume by Cylindrical Shells
	6.4	Work
	6.5	Average Value of a Function
Techniques of Integration	7.1	Integration by Parts
	7.2	Trigonometric Integrals
	7.3	Trigonometric Substitution
	7.4	Integration of Rat'l Funct'ns by Partial Fractions
	7.5	Strategy for Integration
	7.6	Integration Using Tables and Computer
	7.7	Approximate Integration
	7.8	Improper Integrals
Further Applications	8.1	Arc Length
	8.2	Area of a Surface of Revolution
	8.3	Applications to Physics and Engineering
	8.5	Probability
Differential Equations	9.1	Modeling with Differential Equations
	9.2	9.2 Direction Fields and Euler's Method
	9.3	9.3 Separable Equations
	9.4	9.4 Models for Population Growth

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.

	Monday	Tuesday	Wednesday	Thursday	Friday
Jan	4 5.1, 5.2	5	6 5.2, 5.3	7	8
Jan	11 5.3, 5.4	12	13 5.5 quiz 1	14	15
Jan	18 M L King Day Holiday	19	20 Review Exam 1	21	22
Jan	25 3.11, suppl	26	27 6.1, 6.2 quiz 2	28	29
Feb	1 6.3, 6.4	2	3 6.5, 7.1 quiz 3	4	5
Feb	8 7.2, 7.3	9	10 Review Exam 2	11	12 Lincoln's Birthday Holiday
Feb	15 Washington's B-day Holiday	16	17 7.4, 7.5 quiz 4	18	19
Feb	22 7.6, 7.7	23	24 7.8 quiz 5	25	26 last day to drop w/W
Feb Mar	29 8.1, 8.2	1	2 Review Exam 3	3	4
Mar	7 8.3, 8.5	8	9 9.1, 9.2	10	11
Mar	14 9.3	15	16 9.4, Review quiz 6	17	18
Mar	21 Final 1:45 – 3:45p	22	23	24	25