

COURSE: Math 1B-27 Calculus
DAY: TuTh
TIME: 4 – 6:15 p
EMAIL: isonmillia@fhda.edu

QUARTER: Fall 2015
INSTRUCTOR: Millia Ison
OFFICE PHONE: 864-5659
OFFICE NUMBER: S76e

OFFICE HOUR : M – Th: 11:50a-12:20p, MW: 6:20 – 7:20p

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 0947 1843**

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: Tuesday, December 8, 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 4 --- Last day to drop without grade on your record.
Friday, Nov 13 --- 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. 13. After that day, you will receive a grade.

Chapter	SEC	PROBLEMS		Monday	Tuesday	Wednesday	Thursday	Friday
Integrals	5.1	Areas and Distances	Sept	21	22	23	24	25
	5.2	The Definite Integral			5.1, 5.2		5.2, 5.3	
	5.3	The Fundamental Theorem of Calculus	Sept Oct	28	29	30	1	2
	5.4	Indefinite Integrals and the Net Change Thm			5.3, 5.4		5.5	
	5.5	The Substitution Rule					quiz 1	
Hyp/Invhyp Functions	3.11 Suppl	Hyperbolic Funtions 7.6, 1-37 odd, 41, 45; 8.3, 3-23 odd, 24,27,31.	Oct	5	6	7	8	9
Applications of Integrals	6.1	Aresa Between Curves	Oct		3.11, suppl		Review Exam 1	
	6.2	Volumes						
	6.3	Volume by Cylindrical Shells	Oct	12	13	14	15	16
	6.4	Work			6.1, 6.2		6.3, 6.4	
	6.5	Average Value of a Function					quiz 2	
Techniques of Integration	7.1	Integration by Parts	Oct	19	20	21	22	23
	7.2	Trigonometric Integrals	Oct		6.4, 6.5		7.1, 7.2	
	7.3	Trigonometric Substitution					quiz 3	
	7.4	Integration of Rat'l Funct'ns by Partial Fractions	Oct	26	27	28	29	30
	7.5	Strategy for Integration			7.2, 7.3		Review Exam 2	
	7.6	Integration Using Tables and Computer	Nov		3	4	5	6
	7.7	Approximate Integration			2			
7.8	Improper Integrals				7.4, 7.5		7.6, 7.7	
Further Applications	8.1	Arc Length	Nov	9	10	11	12	13
	8.2	Area of a Surface of Revolution			Veteran's day Holiday	7.8		8.1, 8.2
	8.3	Applications to Physics and Engineering					quiz 5	last day to drop w/W
	8.5	Probability						
Differential Equations	9.1	Modeling with Differential Equations	Nov	16	17	18	19	20
	9.2	9.2 Direction Fields and Euler's Method	Nov		8.3, 8.5		Review Exam 3	
	9.3	9.3 Separable Equations						
	9.4	9.4 Models for Population Growth	Nov	23	24	25	26	27
<p>All homework assignments and due dates are listed on WebAssign.</p> <p>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.</p>					9.1, 9.2		Thanksgiving	Thanksgiving
			Nov	30	1	2	3	4
			Dec		9.3		9.4	
			Dec	7	8	9	10	11
					Final 4p – 6p			