

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

QUARTER: Fall 2016
INSTRUCTOR: Millia Ison
OFFICE PHONE: 864-5659
OFFICE NUMBER: S76e

OFFICE HOUR : 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 0994 1273**

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, December 15, 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.

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