

COURSE: Math 1B-25 Calculus
DAY: MW
TIME: 4 – 6:15 p
EMAIL: isonmillia@fhda.edu

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

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

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 20686535**

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, March 25, 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 score 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. 19 --- Last day to drop without grade on your record.
Friday, Feb. 27 --- Last day to drop with a "W".

ATTENDANCE: Regular attendance is required. More than 3 absences without contact me will result in a “W” or “F” for the class. Last day to drop class is Nov. 14. After that day, You will receive a grade for the course.

Chapter	SEC	PROBLEMS	Monday	Tuesday	Wednesday	Thursday	Friday
Integrals	5.1	Areas and Distances	5	6	7	8	9
	5.2	The Definite Integral	5.1, 5.2		5.2, 5.3		
	5.3	The Fundamental Theorem of Calculus					
	5.4	Indefinite Integrals and the Net Change Thm					
	5.5	The Substitution Rule	5.3, 5.4	13	14	15	16
Hyp/Inv/hyp Functions	3.1.1	Hyperbolic Functions			quiz 1		
	Suppl	7.6, 1-37 odd, 41, 45; 8.3, 3-23 odd, 24,27,31.	19	20	21	22	23
Applications of Integrals	6.1	Aresa Between Curves	MLKing B.day		Review Exam 1		
	6.2	Volumes	No school				
	6.3	Volume by Cylindrical Shells	26	27	28	29	30
	6.4	Work	3.1.1, suppl		6.1, 6.2 quiz 2		
	6.5	Average Value of a Function		3	4	5	6
Techniques of Integration	7.1	Integration by Parts	2				
	7.2	Trigonometric Integrals	6.3, 6.4		6.5, 7.1 quiz 3		
	7.3	Trigonometric Substitution					
	7.4	Integration of Rat'l Funct'ns by Partial Fractions	9	10	11	12	13
	7.5	Strategy for Integration	7.2, 7.3		Review Exam 2		Lincoln's Birthday No school
	7.6	Integration Using Tables and Computer					
	7.7	Approximate Integration	16	17	18	19	20
	7.8	Improper Integrals	Washington B.day No School		7.4, 7.5 quiz 4		
Further Applications	8.1	Arc Length					
	8.2	Area of a Surface of Revolution	23	24	25	26	27
	8.3	Applications to Physics and Engineering	7.6, 7.7		7.8		last day to drop w/W
	8.5	Probability					
	9.1	Modeling with Differential Equations	2	3	4	5	6
Differential Equations	9.2	9.2 Direction Fields and Euler's Method	8.1, 8.2		Review Exam 3		
	9.3	9.3 Separable Equations					
	9.4	9.4 Models for Population Growth	8.3	10	11	12	13
					8.5, 9.1 quiz 5		
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.			16	17	18	19	20
			9.2, 9.3		9.4 quiz 6		
			23	24	25	26	27
Mar	Review			Final 4p-6p			