

**COURSE:** Math 1B-25 Calculus  
**DAY:** MW  
**TIME:** 4:00 – 6:15 p  
**EMAIL:** [isonmillia@fhda.edu](mailto:isonmillia@fhda.edu)

**QUARTER:** Spring 2016  
**INSTRUCTOR:** Millia Ison  
**OFFICE PHONE:** 864-5659  
**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 5935 7457**

**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, June 22, 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, April 17 --- Last day to drop without grade on your record.  
Friday, May 27 --- 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 **May 27**. After that day, you will receive a grade.

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