

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

**QUARTER:** Spring 2017  
**INSTRUCTOR:** Millia Ison  
**OFFICE PHONE:** 864-5659  
**OFFICE NUMBER:** S76e

**OFFICE HOUR :** MTuWTh: 6:20 – 7:10 pm

**COURSE PREREQUISITES:** Math 1A, or equivalent course with a grade "C" or better.

**TEXT:** Calculus: Early Transcendentals, by James Stewart, 8th edition.

**ENROLL WEB ASSIGN :** Class code: **deanza 1576 6039**

**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 28, 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 23 --- Last day to drop without grade on your record.  
Friday, June 2 --- 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 **June 2**. After that day, you will receive a grade.

Chapter	SEC	PROBLEMS		Monday	Tuesday	Wednesday	Thursday	Friday
Hyp/Invhyp	3.11	Hyperbolic and Inverse Hyperbolic Functions	Apri	10 3.11 5.1	11	12 5.1, 5.2	13	
Integrals	5.1	Areas and Distances	Apri	17 5.2, 5.3	18	19 5.3, 5.4 quiz 1	20	
	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							
Appendix G		In as a def. integral & exp as the inv of ln.	Apri	24 5.4, 5.5	25	26 Review Exam 1	27	
Applications of Integrals	6.1	Aresa Between Curves	May	1 Appendix G, 6.1	2	3 6.2 quiz 2	4	
	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	May	8 6.3	9	10 6.4 quiz 3	11	
	7.2	Trigonometric Integrals	May	15 6.5, 7.1	16	17 Review Exam 2	18	
	7.3	Trigonometric Substitution						
	7.4	Integration of Rat'l Funct'ns by Partial Fractions	May	22 7.2, 7.3	23	24 7.4, 7.5 quiz 4	25	
	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	May	29 7.6, 7.7	30	31 7.8 quiz 5	1	last day to drop w/W
	10.2	Parametric arclength	June					
	8.3	Applications to Physics and Engineering						
	8.5	Probability						
Differential Equations	9.1	Modeling with Differential Equations	June	5 Memorial Day Holiday	6	7 Review Exam 3	8	
	9.2	Direction Fields and Euler's Method	June	12 8.1, 10.2, 8.3	13	14 8.3, 8.5, quiz 6	15	
	9.3	Separable Equations						
	9.4	Models for Population Growth						
<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>			June	19 9.1, 9.2	20	21 9.3, 9.4, quiz 7	22	
			June	26	27	28 Final 4 - 6 p	29	