

INTRODUCTION:

Welcome to integration calculus. I am Millia Ison. I have been teaching at DeAnza College for almost 30 years. I plan to work with you closely to help you to succeed. In this course, you will use of your algebra, and pre calculus skills to work with higher level mathematics and solve interesting application problems.

You will need to spent **at least 25 hours a week** to study the material, do homework and quizzes. Homework and quizzes are on webassign. About \$100 to purchase the access online. If you used webassign in Math 1A or 1B at DeAnza, you may already have your account. Class code is in the syllabus next page.

Homework: You have 5 submissions to get the correct answer for a question to earn a point. It is very important for you to understand the concepts when you do problems. You need to practice until you can do a problem without a sample example, notes or hint. Sections listed on the class syllabus calendar are suggested study plan.

Quizzes: You have quiz twice a week. I list section number as quiz name on webassign. For example Quiz 10.2 means this quiz covers section 10.2 in the text. Learn the material and do the related homework first before you start quiz. You have 3 submissions for each question on quiz. Quiz(zes) will be available Monday 8 am weekly, due the following Sunday 11:59 pm. Once you start, you have 60 minutes to finish. **NO EXTENSION.**

Exams and Final: Reveiws for each exam will be provided on Webassgn a few days before the exam for you to prepare. Doing the reviews will **not** earn you any points for your grade. Exams and Final are to test your understanding of the course material. Questions on exams are similar to the questions on the reviews.

Need Help?

1. Tutoring is available both on-campus and online. See <http://deanza.edu/studentsuccess/mstrc/>
2. Post questions in the Discussion section in Canvas
3. Email me at isonmillia@deanza.edu
4. Form a study group with other students in the class
5. Follow the “NetTutor” on the navigation in Canvas

Students with disability-related need for academic accomidations or services, please contact Disability Support Services (DSS) 408 864 8753 or Educational Diognistic Center (EDC) 408 864 8839. The Center will inform me your situation. You may take exams at EDC, but you must schedule with EDC Wednesday or Thursday of the official exam week. You need to schedule one week ahead the exam day.

COURSE: Math 1C-61 Calculus **QUARTER:** Spring 2020
MW: 6:30 – 8:45 pm **INSTRUCTOR:** Millia Ison
EMAIL: isonmillia@fhda.edu **OFFICE PHONE:** 864-5659

OFFICE HOUR : TuTh 12:30-1:20 pm Online Canvas Discussion or By email online

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

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

ENROLL WEB ASSIGN : Webassign.net . For This Quarter Only, free access to WebAssign:

<http://embed.widencdn.net/pdf/plus/cengage/tkbyycgpir/cu-covid-start-strong-free-trial-flyer-1348236.pdf>. Class code: **deanza 0751 7131** Homework and quizzes are on Web Assign.

EQUIPMENT: A graphic calculator or a computer with graph capability is required.

GRADING:

Homework ----140 points	A: 93% - 96 % , 465 - 500 pts	C+: 76% - 79 % , 380 - 399 pts
Quizzes -----80 points	A- : 90% - 92 % , 450 - 464 pts	C: 70 % - 75 % , 350 - 379 pts
2 midterms --- 160 points	B+: 87% - 89 % , 435 - 449 pts	D: 60 % - 69 % , 300 - 349 pts
Final exam ---- 120 points	B: 83% - 86 % , 415 - 434 pts	F: 0 % - 59 % , 0 - 299 pts
Total ----- 500 points	B-: 80% - 82 % , 400 - 414 pts	

HOMEWORK POINTS: You need to do your homework on a regular bases. However **all homework is due on June 23, 11:59 pm**. **No Extension under any circumstances**. Total points on WebAssign is 1136(subject to change). Out of which, 1045 points are required (subject to change). If you have 1045, you earn 75 points (full credit) toward your grade. If you have total of 1100, then $1120 / 1045 \approx 1.07$, that is 107%, $107\% \cdot 75 \approx 80$, you have 80 points for homework, which is 5 points extra credit. The total amount of the extra credit will be decided after the final exam.

QUIZ POINTS: **2 quizzes each week** (1 quiz if a week has exam), **due Sundays 11:59 pm**, available 1 week before due. **NO EXTENSION under any circumstances**. If the deadline is missed, you get 0 for the quiz. There are 18 quizzes this quarter. 2 lowest scores will be dropped.

EXAM POINTS: 80 points each.
Exam 1: May 6, Wednesday
Exam 2: June 8, Monday

No make-up midterm exams. Absences are counted as 0's. If the percent of your final exam score is higher than some of your exams, it will replace the lowest exam score. It can only replace 1 out of 2 exams. For example: your lowest exam score is 73%, your achieve 120/150 on the final exam, which is 80%. Then the 73 on the exam is replaced by 80. If all your 3 exams are higher than your final exam percentage, then your exam scores will not change. People doing better on the final will help their overall score.

FINAL EXAM: 120 points.
Wednesday, June 24, 6:15 – 8:15 pm

Fail to take the final exam, you will receive “F” for your grade.

Exams are to test your understanding of the homework assignments. **Cheating of any form on midterm exams or final exam will be grounds for disciplinary action.**

IMPORTANT DATES: Sunday, April. 19 --- Last day to drop without grade on your record.
Friday, June 5 --- Last day to drop with a "W".

Student misses numerous quizzes and not come for exams without contact me may result in a “W” or “F” for the class. Student is responsible to withdraw from the class. The last day for you to withdraw is June 5. After that day, you will receive a grade.

Chapter	SEC	PROBLEMS		Monday	Tuesday	Wednesday	Thursday	Friday
Parametric Equations And Polar Coordinate	10.1	Curves Defined by Parametric Equations	April	6	7	8	9	10
	10.2	Calculus with Parametric Curves						
	10.3	Polar Coordinates						
	10.4	Areas and Lengths in Polar Coordinates	April	13	14	15	16	17
				10.1, 10.2		10.3,10.4 Quiz 10.2		
Infinite Sequences And Series	11.1	Sequences	Wk1					
	11.2	Series	April	20	21	22	23	24
	11.3	The Integral Test and Estimates of Sums		10.4		11.1, 11.2		
	11.4	The Comparison Tests	Wk2	Quiz 10.4		Quiz 11.1		
	11.5	Alternating Series	April	27	28	29	30	1
	11.6	Absolute Convergence & the Ratio and Root Tests	May	11.2, 11.3		11.4, 11.5		
	11.7	Strategy for Testing Series	Wk3	Quiz 11.2, 3		Quiz 11.4,5		
	11.8	Power Series	May	4	5	6	7	8
	11.9	Representations of Functions as Power Series		11.6, 11.7		Exam 1 4-5:30 pm		
	11.10	Taylor and MacLaurin Series	Wk4	Quiz 11.6,7				
	11.11	Applications of Taylor Polynomials	May	11	12	11.10	14	15
			Wk5	11.8, 11.9 Quiz 11.8,9		Quiz 11.10		
Vector And The Geometry Of Space	12.1	Three-Dimensional Coordinate Systems						
	12.2	Vectors	May	18	19	20	21	22
	12.3	The Dot Product		11.10, 11.11		12.1, 12.2		
	12.4	The Cross Product	Wk6	Quiz 11.10,11		Quiz 12.1, 2		
	12.5	Equations of Lines and Planes	May	25	26	27	28	29
	12.6	Cylinders and Quadric Surfaces	Wk7	Holiday Memorial Day		12.3,12.4 Quiz 12.3		
Vector Functions	13.1	Vector Functions and Space Curves	June	1	2	3	4	5
	13.2	Derivatives and Integrals of Vector Functions		12.5		12.6		last day to drop w/W
	13.3	Arc Length and Curvature	Wk8	Quiz 12.4,5		Quiz 12.5,6		
	13.4	Motion in Space: Velocity and Acceleration	June	8	9	10	11	12
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 after doing WebAssign, work with more of the similar problems in the text.			Wk9	Exam 2 4-5:30 pm		13.1, 13.2 Quiz 13.1,2		
			June	15	16	17	18	19
			Wk10	13.3 Quiz 13.3		13.4 Quiz 13.4		
			June	22	23	24	25	26
			Wk11	Reivew		Final 6:15 – 8:15p		

Student Learning Outcome(s):

- *Graphically, analytically, numerically and verbally analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.
- *Apply infinite sequences and series in approximating functions.
- *Synthesize and apply vectors, polar coordinate system and parametric representations in solving problems in analytic geometry, including motion in space.