

**Course:** Math 1C.3      Advanced Calculus      **Instructor:** Mr. Charles Klein  
**Days:** M – F      Spring 2015      **Contact:** 408 864 8213  
**Time:** 7:30 – 8:20 AM      Room E-36      **Office Hours: S-76g**      S 76 g M–Th: 8:30–9:20 am

**READ THROUGH THIS ENTIRE GREENSHEET, AND THE INFORMATION ON THE COURSE WEBPAGE, SO THAT YOU ARE FAMILIAR WITH THE CLASS AND ITS MANY DETAILS.**

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Text: Calculus–Early Transcendentals, 7th Ed.–J. Stewart; a graphing calculator is required; (TI–83/84/86 or equivalent)

Overview: Parametric Equations & Polar Coordinates; Infinite Sequences & Series; Vectors & Geometry of Space; Vector–Valued Functions

Pre–requisite: Math 1A , 1B (with a passing grades of C or better) or equivalent.

**The use of cell/portable phones, beepers, or pagers in class is considered impolite and disruptive, if not rude. Please turn them off before entering class. If your phone/beeper goes off during a mini-test/exam, your paper will be taken, and you will not be allowed to continue working on it. Your score will be based on the work done up to that point.**

**S. O. P. 's:** In addition to this course syllabus, the first page and the "**General Information**" page of the instructor's **website: [faculty.deanza.edu/kleincharles/](http://faculty.deanza.edu/kleincharles/)** is also considered part of the **course syllabus**, and hence you are also responsible for information contained therein.

Attendance: Since mathematics is cumulative in nature, attendance at all classes is expected. Students should be aware of appropriate drop dates (April 19 , May 29 – See special notes on Dropping a Class in the General Information page of the instructor website). *It is the student's complete responsibility to drop this class as I will not drop anyone from the class.*

Homework: Homework assignments represent the student's opportunity to learn what was taught, by practicing both mechanical skills and problem–solving techniques. The student is responsible for all problems associated with the sections of the text covered each class meeting.

Mini–Test: Mini–Tests will be given intermittently throughout the quarter. Short (a day or so) notice will be given, and a missed Mini–Test (~40 pts. but will vary) cannot be made up. Mini–Tests will be worth a total of approximately 150 points.

Exams: Each exam will be announced about a few days in advance. Students are required to take exams when scheduled, including the final. There are no makeup's of any kind; the final exam will count twice; one lowest exam score will be dropped. For example, if one of the midterm exams is the lowest, then the final score will replace that midterm score. (i.e., exam scores of 50 , 60 , and 70 , and a final exam score of 65 will give you exam points of 60 , 65 , 65, 70 - which means you just gained 15 free points (average goes up). However, with exam scores of 50 , 60 , and 70 , and a final exam score of 40 will give you scores of 40 , 50 , 60 , 70 , and thus your overall average will be pulled down.

- *If your lowest exam score is the result of cheating or cell phone mis-use, that score will not be dropped, but the next lowest will.*
- If you need to leave the room during a mini-test or exam, your paper is turned in and you are done.
- At the end of the minitest/exam, you will have **ten seconds** to turn in your paper. If it is turned in late, a late penalty (see below) will be assessed. It is not fair for you to continue working while others are turning in their work.

All work on quizzes and exams must be neat, complete, and logically presented; where work is required, partial credit will be given provided the work justifies such credit: a correct answer by itself will not earn full credit (except on a multiple choice question).

Points will be assessed/deducted not only for the correctness of the mathematics, but also for the presentation of the math. Check the "General Information" page of the instructor's website for further information/details, etc. **THE PRESENTATION OF YOUR MATH IS AS IMPORTANT AS THE ACCURACY OF YOUR MATH.**

A penalty of a minimum of 10 % off, up to no credit, will be assessed for any mini-test, exam or other assigned work that is turned in late.

Extra Credit: There is typically an additional extra-credit problem/question on each exam and mini-test. "XC" problems are also offered "in addition to" rather than "in place of" regular class-work, and are provided at the instructor's discretion; these are generally due the next class. There is no makeup for any missed extra credit. Extra credit is not available to make up for poor quiz/test performance.

Some exams, including the final, in whole or in part, may be multiple choice. The day and time for the final is already set; consult the DAC schedule of classes. Do not ask to take the final early.

Cheating, which includes, but is not limited to: looking at another's paper, copying, passing notes or other information, etc., will not be tolerated. The first instance will result in a zero on a mini-test or exam, and the student referred to the Dean for academic discipline. It is possible that as a result of cheating, the student could receive a grade of F for the course.

## Homework Problems:

Expect problems to be given each day. Remember, you should be prepared to spend 2–3 hours per section assignment for homework problems and studying.

Ch 10	10.1	1–4, 5–15 odd, 19, 20, 25, 31	Ch 11	11.10	2, 3, 5, 8, 10, 13, 17, 18, 27, 29, 32, 36, 47, 48, 52, 63, 68
	10.2	1–3, 6, 7, 9, 11, 13, 15, 17, 29, 30, 31, 33, 37, 38, 42, 45, 51, 57, 61, 65		11.11	3, 5, 6, 7, 10, 16, 27
	10.3	1–4 (no graph; just find other pairs), 7, 10, 15, 16, 19, 21, 24, 29, 33, 36, 39, 46, 49, 50, 54, 55, 58, 59, 65	Ch 12	12.1	3, 6–9, 13, 18, 19, 22, 27, 30, 31, 34, 41–43
	10.4	1, 2, 6, 7, 8, 21, 23, 26, 29, 31, 34, 37, 39, 42, 45, 48		12.2	3, 4, 6, 7, 9, 14, 16, 20, 23, 24, 26, 28, 30, 32, 39, 41, 45, 51
	10.6	OPTIONAL: 2–22 evens, 23		12.3	5, 8, 13, 17, 20, 21, 22, 24, 25, 26, 32, 34, 38, 43, 49, 50, 53
Ch 11A	11.1	3, 6, 8, 11, 14, 15, 18, 23, 28, 30, 35, 36, 41, 45, 47, 52, 54, 66–69, 74		12.4	3, 6, 7, 13, 17, 19, 28, 34, 35, 41, 43, 49
	11.29	15, 16, 17, 18, 22, 25, 26, 29, 32, 35, 40, 43, 45, 46, 49, 52, 55, 57, 59, 60		12.5	1, 2, 5, 8, 11, 12, 15, 19, 22, 25, 27, 28, 32, 33, 35, 38, 45, 47, 52, 55, 59, 63, 64, 75
	11.3	3, 6, 10, 13, 16, 21, 22, 23, 26, 28, 32,	Ch 13	13.1	2, 3, 6, 7, 9, 14, 17, 20, 21–26, 27, 29, 40, 41
	11.4	4, 5, 8, 11, 15, 18, 21, 24, 28, 30, 31, 38, 39		13.2	1, 2, 3, 6, 8, 10, 12, 13, 17, 20, 22, 26, 29, 30, 35, 37, 40,
	11.52	5, 8, 11, 16, 23, 27, 30, 32		13.3	1, 4, 8, 11, 15, 16, 18, 20, 24, 30, 31, 49, 51 (don't graph), 56, 57
	11.61	2, 3, 7, 8, 11, 12, 14, 16, 17, 22, 23, 27, 31, 32, 35		13.4	3, 5, 6, 11, 14, 23, 25, 28, 30, 31
Ch 11B	11.7	pick 12 of your own	Ch 17	17.4	OPTIONAL: 1, 3, 6, 9
	11.8	1, 2, 3, 5, 7, 10, 13, 18, 21, 27, 31			
	11.9	3, 4, 5, 8, 9, 12, 15, 20, 29, 31, 37			

## Exam Schedule:

<u>Exam #</u>	<u>Covering</u>	<u>On or about</u>
1	Ch 10 4	April 20
2	Ch 11A 6	May 7
3	Ch 11B 5	May 22
4	Ch 12 6	June 11
5	Ch 13 4	June 19
Final	Comprehensive	<b>Check Finals Schedule</b>

Grades: Your grade will be based upon the percentage of total points earned, as compared to the total points possible, according to the following:

<u>From</u>	<u>Points</u>	<u>Percentage Earned *</u>	<u>Grade</u>
Mini Tests	150	88 % – above	A
Exams	500	78 – 87	B
Final	100	68 – 77	C
		55 – 67	D
		below 55	F
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Total Points Possible	750		

- ( i.e., from all minitests & exams you have 540 out of 750 points → 72 % = C )