MATH 31.50Z – WINTER 2021 (CRN: 36844)
PRE-CALCULUS I [ASYNHRONOUS ONLINE CLASS]

Instructor: Ms. S. Arabhi (pronounced AA-rub-hee)

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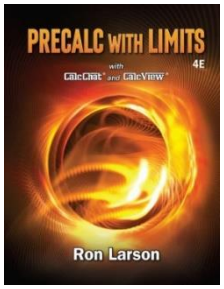
Meet me on Zoom (office hours): Email me via canvas for a zoom appointment to ask any questions on Mondays and Wednesdays from 10:30 to 11:30 AM. You may set up zoom appointments for other times via email as well. Use your official name/ preferred name on zoom, and please follow zoom etiquette by being respectful.

Canvas: (De Anza's LMS – Learning Management System)
Please refer to Canvas (through My Portal) for HW assignments, recordings, announcements, weekly proceedings, notes, hand outs etc. Everyone MUST download the Canvas App on their smart phones.

Prerequisite: Math 114: Intermediate Algebra with a grade of C or better

Required material:

1) PRE-CALCULUS with Limits, (4th Edition) By Ron Larson [e-book comes free with WebAssign]
   Use this link to buy the HW access code and e-book for $60.



2) Scientific Calculator only – please refrain from using graphing calculators.
3) Graph paper, notebook, ruler (you need to buy graph paper/ print out for free)
4) Laptop/ tablet and Mobile phone WITH CAMERA
5) Download Canvas App on cell phone
6) Download any free scanner App (notes or scanbot or GeniusScan) on your cell phone to convert photos of your written work to pdf. [practice how to do this]

Course Objectives: (This is not an exhaustive list.)
(Chapters 1, 2, 3, 7, 9, 10 from the text book; parts of Appendix A.1 to A.6 as needed)
Functions and Graphs, Polynomial and Rational Functions, Exponential and Logarithmic Functions, Sequences and Series, Conic Sections.

HOMEWORK: This is a very important part in a math class (even more in an online class) – practice until you gain confidence.

- **WebAssign (online HW) problems (**Online Homework will be due every Monday at 10 AM) (2 points each section): will be assigned in every class for every section. It is your responsibility to solve the problems on WebAssign and keep a written record. WebAssign HW will be accessed through Canvas module ONLY.

  If you have any trouble with registration with WebAssign, use this zoom link to meet with a representative: https://cengage.zoom.us/j/96564575500 every weekday from Jan 4th to Feb 19th from 12pm-2pm PST. (off on MLK day on 1/18 and President's Day on 2/15).

- **Written HW Due on Monday at 10 AM** (5 points): Every week, (on Monday), you will be assigned one written HW based on the sections taught that week to solve on paper and upload. As you read/study each section, keep doing the problems from this HW on your notebook. Upload it onto the assignment when done, but before next Monday, 10 AM. Just answers without supporting work will earn 0 points. You have to show graphs on graph paper.
- **Watch Videos: (2 point check ins) :** Every section will be recorded and posted for you to watch. After you watch a video, (mark it done, before Friday at 10 PM) you will take a short timed check-in assessment (2 points) based on the recorded video. I will post, in advance, blank notes that you can use to follow my recorded lectures. All check-ins will be due on Friday at 10 PM. Lowest two check-ins will be dropped.

DISCUSSIONS: Even though this class is completely asynchronous, you can and should participate and work with your class mates by asking your doubts AND helping others with their questions. Each week there will be one discussion board active on Canvas. This will be the place to ask questions and answer / help others. Make sure your discussion questions are course related and your help/ answers to other students are polite and reasonable. Discussions will be due every Monday at 10 AM. I will answer and mediate these, but learning happens more fruitfully through curiosity and assisting others.

QUIZZES:

There will be a timed (~15 minute) quiz worth 5 points, almost every week, on Mondays (refer to calendar) related to the material taught the previous week. You may take the quiz at any time on the Quiz day (refer to calendar) between 12:01 AM and 11:59 PM. Do your reading and homework everyday, to fair well in these quizzes. Don't miss any of these since there will be **NO MAKE-UP** quizzes. **I will drop 2 lowest quiz grades** at the end of the quarter, so if you miss a quiz, the absent quiz could be your dropped quiz. The purpose of these is to make sure you are mastering the material and are up-to-date with the pace of the course.

Exams: These will be timed, (~ 75 minutes) and given on canvas, (refer to calendar).You may work on it at any time on the day of exam between 12:01 AM to 11:59 PM. Your timer will start when you open the exam and will end at the end of 74th minute and 59th second.

Exams are primarily based on homework, problems from assessments, and solved problems in the textbook. So, the best way to prepare for exams is to sincerely do all the homework, read the book, learn from your mistakes in the quizzes, and clear all your doubts as soon as you can. There will be four written exams and (an additional) final exam (2 hours). ***THERE ARE NO MAKE-UPS for EXAMS***. However, **I will drop lowest of the four exams**. It is your responsibility to let me know as soon as possible (within 24 hours) if you are going to miss an exam and provide "valid" reason and documentation for the absence.

FINAL EXAM: is SCHEDULED FOR Monday/Tuesday, March 22nd/ March 23rd. **Final exam is mandatory and will not be one of the dropped exams**, and if you cannot take the final exam at the scheduled time and date, please do not enroll in this class. The final exam will be CUMULATIVE, i.e. it will contain everything covered in the course.

Grading:

Written HW (5 pts each)	~50 Points	Due on Monday at 10 AM
WebAssign HW (2 points each)	~60 points	Due on Monday at 10 AM
Check in assessments (2 points each)	~60 Points	Due on Friday 10 PM
Quizzes (5 points each)	30 Points	Almost every Monday (due at 11:59PM)
Discussions (2 points each)	22 Points	Discussions will be marked Monday @ 10AM
Exam 1	50 Points	FRIDAY, JANUARY 15th
Exam 2	50 Points	FRIDAY, JANUARY 29th
Exam 3	50 Points	TUESDAY, FEBRUARY 16th
Exam 4	50 points	FRIDAY, MARCH 5th
Final Exam	100 Points	MONDAY, MARCH 22nd OR TUESDAY, MARCH 23rd

Total Points: ~ 472

Letter Grade: I do not curve. Course grades will be determined on a standard scale:

≥ 97 % → A+ 94 - 96.9% → A 90 - 93.9% → A-
87 - 89.9% → B+ 84 - 86.9% → B 80 - 83.9% → B -
77 - 79.9% → C+ 70 - 76.9% → C
67 - 69.9% → D+ 64 - 66.9% → D 60 - 63.9% → D – ≤ 59.9% → F

There will be no retakes/make-ups for HWs, quizzes, exams, check-ins (or any assessment), if you miss them due to any reason. I will drop 2 quizzes and check-ins and one exam.

HONOR CODE (No cheating/ dishonesty)

The purpose of the Honor System is to allow freedom in the completion of all academic work, and to ensure the integrity of the work. When students accept this freedom and trust, they are placed on their honor to neither cheat on any homework assignment nor violate the **trust placed in them** in any way during quizzes and exams. Remember that you are here to learn, and cheating hinders learning.

Students demonstrate their responsibilities to the teacher and their fellow students under the Honor System when they can pledge, in good conscience, that their **work is their own.**

Cheating on any exam / quiz / HW assignment may result in an F grade for the course and is absolutely prohibited.

Copying HW from the web, having other's do your work, using non permissible materials (for example, graphing calculator/ online published solutions) during assessments, helping others during an exam, or using an external source of information (text book, web, person) for which you were not explicitly given permission, will result in an instructor drop or an F grade for the course.

Cheating incidents will also be reported to the Department Chair, which will have additional consequences.

Additional Assistance:

The key to being able to take advantage of any of these services is to be quick to recognize your need for assistance. It is always better to seek help sooner rather than later.

1) The Math, Science & Technology Resource Center (MSTRC): Free online assistance is available on zoom through the Student Success Center, along with Academic skills Workshops. You may also use Nettutor on Canvas to access De Anza tutoring. WebAssign and Canvas have their own online help as well.
2) Your classmates: Use the "DISCUSSIONS" feature in Canvas. Many students find informal study partnerships and groups to be most helpful in learning math. I recommend that you study virtually with others in this class and participate in canvas discussion boards.
3) TALK TO ME DURING VIRTUAL OFFICE HOURS**:** Please feel free to ask me questions via email any time and day / set up zoom meeting via canvas by emailing me in advance. I'll give you as much direction and assistance as I can, and refer you to additional resources as needed.
   Do not wait until you are drowning to get help.
4) Any student with a documentable disability who needs academic accommodations should contact: Disability Support Services (DSS): www.deanza.edu/dsps/

Additional NOTES:

- Last day to **drop class** with a full refund and with no record of grade is **Monday, JANUARY 18th.**

- The deadline for dropping with a "W" **is Friday, February 26th**

In every case, a student is responsible for dropping him/herself. You should not assume that you are automatically dropped from the class for non-attendance. Students on the final grade roster who have not dropped, and who do not show up for the final exam, automatically receive an F in the course.

- **Last day to add** is Saturday, January 16th

- **Last day to request pass or no pass:** Friday, January 29th

- **College Policy:** Students cannot take the same class more than three times for a grade, including W. Late adds and drops will not be processed.

One purpose of this course syllabus is to provide you with the guiding principles upon which the class runs, and another is to make sure that you have at your fingertips answers to any questions which might arise.

Make sure you read the syllabus in its entirety before you ask me any questions about the course.

USEFUL TIPS:

1. Education is a gift, an opportunity, not a guarantee. When you feel like giving up, carefully organize your rationalizations and excuses on a piece of paper. When your list is complete, burn the paper! Then **keep working** on …

2. Do not waste time cheating from books/ asking friends for answers during assessments. The reason is three folds:
   (a) Most importantly, you will be doing disservice to yourself by being ill prepared for this course and all subsequent math courses.
   (b) The assessments are timed; you will not have time to finish the test if you spend time cheating – no extra time will be given to finish.
   (c) Cheating is against the HONOR CODE, which you are pledging to abide by.

3. Minimize your dependence on published answers at the back of the book/ internet. Learn to verify your answers by checking your solutions or by working the problem two different ways (perhaps numerically and algebraically). You will NOT have an answer key during examinations, nor at work, so **develop self-reliance**.

4. Students often fall into the trap of thinking that if they have done the homework by looking at the answers and working backwards, or by plugging in numbers in similar problems, they have mastered the material. With luck, this level of effort alone might earn a 'C' grade. Serious students do enough additional homework problems (these could be even numbered problems from your textbook) to evoke a feeling of **smug confidence.**

MATH 31 Winter 2021
Pacing Calendar

	Monday	Tuesday	Wednesday	Thursday	Friday	Week
January	4 First Day (Introductions) 	5 A-1	6 A-2	7 1.1	8 1.2	1
	11 1.3 QUIZ 1	12 1.4	13 1.5	14 Review for Exam 1	15 EXAM 1	2
	18 	19 1.6	20 1.7	21 1.8	22 1.9	3
	25 2.1 QUIZ 2	26 2.1	27 2.2	28 Review for Exam 2	29 EXAM 2 Last day to request pass /no	4
February	1 2.3 QUIZ 3	2 2.4	3 2.5	4 2.5	5 2.6	5
	8 2.7 QUIZ 4	9 3.1	10 3.2	11 Review for Exam 3	12 Presidents' Holiday Campus Closed	6
	15 Presidents' Holiday Campus Closed	16 EXAM 3	17 3.3	18 3.4	19 3.5	7
	22 7.1 QUIZ 5	23 7.2	24 7.3	25 7.3	26 7.5 Last Day to DropWith "W"	8
March	1 7.5 QUIZ 6	2 9.1	3 9.2	4 Review for Exam 4	5 EXAM 4	9
	8 9.3 QUIZ 7	9 10.2	10 10.3	11 10.3	12 10.4	10
	15 QUIZ 8 Review Chapter 1	16 Review Chapter 2	17 Review Chapter 3	18 Review Chapter 7, 9, 10	19 Review Graphs	11
	22 FINAL EXAM	23 FINAL EXAM	24	25	26	12
						

Saturday, January 16th : Last day to add classes

Monday, January 18th: Last day to drop w/ refund without W

Student Learning Outcome(s):

* Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.
* Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.