DeAnza College

Instructor:	Lin Zhang **Email**: zhanglinlin@fhda.edu **Website:** https://catalyst.deanza.edu/
Text:	Pre-Calculus with Limits by Larson 3rd Edition (Loose-leaf) with WebAssign $128.60
Equipment:	**Graphing Calculator** (You can't use your cell phone as a calculator)
Office Hours:	**E37** MW 3:00 – 4:00PM or through email

1. Prerequisite:

Prerequisite: Mathematics 42 or equivalent (with a grade of C or better); or a satisfactory score on the College Level Math Placement Test within the last calendar year.

2. Course Objective:

- Solve systems of inequalities and systems of non-linear equations (CH 7)
- Explore matrices, matrix reduction and determinants in the context of solving systems of linear equations (CH 8)
- Develop and use sequences and series; and Write proofs using mathematical induction; use the binomial theorem to calculate binomial coefficients and to expand binomial expressions (CH 9)
- Graph and analyze topics: curves in polar coordinates; parametric equations. (CH 10)
- Perform operations with 3D vectors; explore equations of lines and planes in 3D. (CH 11)
- Examine Hyperbolic functions, their graphs and verify and use common hyperbolic identities, and solve equations containing hyperbolic expressions

3. Student Outcomes:

- Analyze, investigate, and evaluate linear systems, vectors, and matrices related to two or three dimensional geometric objects.
- Graph and analyze regions/curves represented by inequalities or trigonometric, polar, and parametric equations, including conic sections.
- Analyze, develop, and evaluate formulas for sequences and series; Justify those formulas by mathematical induction.

4. Student Conduct:

You are expected to attend all class lectures in their entirety (Prior notification is required to leave class before it is over). A student who is disruptive will be asked to leave the class. A student who refuses to leave the room will be dropped from the class and will be reported for further action. Put your cell phones on silent before the class starts. If you need to take a call or send a text message, you may step quietly outside.

5. Academic Integrity:

Copying another student's solutions, or using unauthorized materials (notes or cellphones) during tests are considered cheating. Violation of this policy will result in the student receiving ZERO credit for the entire assignment or test.

6. Drop Policy:

Attendance is integral to your success in this course. I expect you to attend all class meetings. Any student who misses two meetings in the first two weeks will be dropped from the class. After that, it is YOUR RESPONSIBILITY to drop the class if you feel like you can't continue for any reason.

7. Support Services

Students with disabilities needing reasonable accommodations should inform me in the beginning of the quarter. To begin the reasonable accommodations process, I will need to fill out a request form from the Disabilities Support Services (DSS). For more information, please visit the DSS office at SCSB 141, call (408) 864-8753 /(408) 864-8748 TTY, or go to www.deanza.edu/dss.

8. Catalyst:

Catalyst is our class website. All related information about the class will be posted up there. Most importantly, your grades will be available on Catalyst.

9. Grade:

All grades will be posted on Catalyst as soon as they become available. It is your responsibilities to check Catalyst at least once a week to monitor your grades for the class.

18 In Class Practice (drop 2)	45 Points	**A:** 90-100%
14 Homework (drop 2)	48 Points	**B:** 80-89%
3 Exams	300 Points	**C:** 70-79%
Final Exam	150 Points	**D**: 60–69%
Total	543 Points	**F:** 0-59%

In Class Practice

In Class Practice (each is worth **3 points**) will be given almost every lesson. Students are to be completed in groups of 3 or fewer. Most time, they contain similar problems from the current lesson. You may reference your notes, but copying other groups' solutions will be considered cheating. Thus results in no credit. TWO lowest scores will be dropped for your final quarter grade. .

Exams:

Three 100-point exams will be given with no make-ups. If you have to miss an exam under extreme circumstances, please notify the teacher at least a day in advance. You can't drop any tests. If you miss an exam it will receive zero as the score.

Final Exam:

A two-hour comprehensive final exam will be given. A student who misses the final exam and does not contact the instructor will receive an F in the course.

Homework:

The purpose of homework is to help you learn the course material. All homework will be done online through **WebAssign.net** (Course ID: **deanza 9609 4454**). You should still work out appropriate steps on a piece of paper; then type in answer online.

You have one homework per class meeting Monday and Wednesday, but both are due together the following Monday by 11:59 PM. Each homework set is scaled to **4 points** and the two lowest ones will be dropped for final course grade. Also, you are automatically given **4-day extension** (by Friday) on each homework set with **20% penalty** so NO individualized deadlines will be given.

10. Tutoring

The Math, Science, and Technology Resource Center **(S43)** provides free individual and small group drop-in services. For more information, go to www.deanza.edu/studentsuccess/mstrc.

11. Class Calendar

Week	Month	Monday	Wednesday	Notes
1	April	10 7.1/7.3	12 7.3/7.5	
2	April	17 7.5/8.1	19 8.2/8.3	**Saturday, Apr. 22nd** last day to add. **Sunday, Apr. 23rd** last day to drop with no record.
3	April	24 8.4/8.5	26 8.5/reivew	
4	May	1 **Test 1** **Ch 7 & Ch 8**	3 9.1/9.2	**Friday, May 5th** last day to request P/NP.
5	May	8 9.2/9.3	10 9.4	
6	May	15 9.5/reivew	17 10.6	
7	May	22 **Test 2** **Ch 9**	24 10.7/10.8	
8	May	29 No Class Memorial Day	31 10.8/10.9	**Friday, Jun. 2nd:** last day to drop with a "W".
9	June	5 10.9/11.1	7 11.2/11.3	
10	June	12 11.3/11.4	14 11.4/reivew	
11	June	19 **Test 3** **Ch 10 & Ch 11**	21 Hyperbolic Function	
12	June	26 Final Review	28 **Final Exam** **4:00 – 6:00 PM** **6:15 – 8:15 PM**	