De Anza College

Instructor:	Lin Zhang	**Email**: zhanglinlin@fhda.edu
		Website: https://deanza.instructure.com/
Text:	Pre-Calculus with Limits by Larson 3rd Edition	
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 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.

4. 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.

5. 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.

6. 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.

7. Canvas: https://deanza.instructure.com/

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

You can login with your **campuswide ID** and initial password of **mmddyy** (your birthday).

8. Grade:

All grades will be posted on Canvas 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.

Class Participation	20 Points	**A:** 90-100%
8 Quizzes (drop 1)	70 Points	**B:** 80-89%
3 Exams	300 Points	**C:** 70-79%
Final Exam	150 Points	**D**: 60–69%
Total	540 Points	**F:** 0-59%

In Class Practice

You can only participate when you are present. Each student are allowed 2 absents (excused and unexcused). Any additional absent will be resulting in 2 points taken away from the 20 points total. In Class Practice will be given almost at the end of every lesson so students get a chance to practice the material learn. Please use that as a chance of learning and working with other students.

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.

Quizzes/Homework:

Homework assignments will assigned each lesson. Even they do not count directly towards your grade in the class, they does help prepare you for the quizzes.

- A **quiz** will be given at the **beginning** of each Monday based on the homeworks from previous week.
- You can **reference** the corresponding **homework** sets during a quiz. Otherwise, it's close notes.
- Quizzes are scaled to **10 points** each and can be made up on the following Wednesday during my office hour with completion of the corresponding homework set on, but with 2-point **penalty**.

9. 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.

10. Class Calendar

Week	Month	Monday	Wednesday	Notes
1	April	9 7.1/7.3	11 7.3/7.5	
2	April	16 7.5/8.1	18 8.2/8.3	**Saturday, Apr. 21st** last day to add. **Sunday, Apr. 22nd** last day to drop with no record.
3	April	23 8.4/8.5	25 8.5/reivew	
4	May	30 **Test 1** **Ch 7 & Ch 8**	2 9.1/9.2	**Friday, May 4th** last day to request P/NP.
5	May	7 9.2/9.3	9 9.4	
6	May	14 9.5/reivew	16 10.6	
7	May	21 **Test 2** **Ch 9**	23 10.7/10.8	
8	May	28 No Class Memorial Day	30 10.8/10.9	**Friday, June. 1st**: last day to drop with a "W".
9	June	4 10.9/11.1	6 11.2/11.3	
10	June	11 11.3/11.4	13 11.4/reivew	
11	June	18 **Test 3** **Ch 10 & Ch 11**	20 Hyperbolic Function	
12	June	25 No Class	27 **Final Exam** **4:00 – 6:00 PM** **6:15 – 8:15 PM**	

Student Learning Outcome(s):

*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.