De Anza College

Spring 2020   **MATH 43 – 26   MW 4:00 – 6:15   Zoom**
                    MATH 43 – 61   MW 6:30 – 8:45   Zoom

Instructor:	Lin Zhang **Email**: zhanglinlin@fhda.edu **Website:** CANVAS
Text:	Pre-Calculus with Limits by Larson 3rd Edition (WebAssign **deanza 2973 3866**)
Equipment:	**Graphing Calculator** (You can't use your cell phone as a calculator)
Office Hours:	**Zoom** 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. 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).

7. 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.

16 InClass (drop 1)	30 Points	**A:** 90-100%
7 Homework (drop 1)	60 Points	**B:** 80-89%
8 Quizzes (drop 1)	56 Points	**C:** 70-79%
3 Exams	300 Points	**D**: 60–69%
Final Exam_____	100 Points	**F:** 0-59%
Total	546 Points	

In Class Practice

- Each student is allowed to drop one in-class practice at the end of the quarter.
- In Class Practice will be given in most days during the Zoom meetings.
- Students need to <u>submit</u> the <u>inclass practice</u> (as a single PDF file) through <u>Canvas</u> within 30 minutes after each class.
- Instructor reserves the right not to accept late submission.

Quizzes:

- A **quiz** will be given at the **end** of the lesson that are marked on the class calendar
- All quizzes are open notes
- Quizzes are scaled to **10 points** each and can be made up on WebAssign on your own time if you are not happy with your score or you have missed an in-class quiz.

Homework:

- Homework assignments are assigned on WebAssign Course ID: **deanza 2973 3866**.
- Due to COVID19, Cengage offers free access (you just to renew free access every 14 days)
- Each homework set will be scaled to **10 points** and the <u>lowest one</u> will be dropped.

Exams:

- <u>Three 100-point exams</u> will be given with no make-ups.
- If you have to miss an exam under extreme circumstances, notify the teacher in advance.
- You can't drop any tests, and normally there will be NO adjustment for test scores. If you miss an exam its score is zero.
- Exams will be done through WebAssign, but you still need to write your work on paper and submit your work through Canvas within 15 minutes after your online submission.

Final Exam:

- A two-hour comprehensive final exam will be given.
- Exams will be done through WebAssign, but you still need to write your work on paper and submit your work through Canvas within 15 minutes after your online submission.

8. Support Services

Students with disabilities needing reasonable accommodations should inform me in the beginning of the quarter. For more information, please visit the DSS office www.deanza.edu/dsps/dss.

9. Tutoring

The Student Success Center **(S43)** has moved their services through Zoom. For more information, please visit http://deanza.edu/studentsuccess/servicesupdate.html

10. Class Calendar

Week	Month	Monday	Wednesday	Notes
1	April	13 7.1/7.3	15 Quiz 1 7.5	
2	April	20 8.1/8.2	22 Quiz 2 8.3/8.4	**Saturday, Apr. 25th** last day to add. **Sunday, Apr. 26th** last day to drop with no record.
3	April	27 8.5	29 Quiz 3 9.1/9.2	
4	May	4 **Test 1** **Ch 7 & Ch 8**	6 9.2/9.3	**Friday, May 8th** last day to request P/NP.
5	May	11 Quiz 4 9.4	13 9.5/reivew	
6	May	18 Quiz 5 10.6	20 10.7/10.8	
7	May	25 No Class Memorial Day	27 **Test 2** **Ch 9**	
8	June	1 Quiz 6 10.8/10.9	3 10.9/11.1	**Friday, June. 5th** last day to drop with a "W".
9	June	8 Quiz 7 11.2/11.3	10 11.3/11.4	
10	June	15 Quiz 8 11.4/reivew	17 **Test 3** **Ch 10 & Ch 11**	
11	June	22 Final week No Class	24 **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.