DeAnza College

Summer 2020 MATH 43 – 03 MTWTh 12:30 – 2:45 Zoom

Instructor:	Lin Zhang **Email**: zhanglinlin@fhda.edu **Website:** CANVAS
Text:	Pre-Calculus with Limits by Larson 3rd Edition (WebAssign **deanza 0107 9887**)
Equipment:	**Graphing Calculator recommended**
Office Hours:	**Zoom** by appointment https://cccconfer.zoom.us/j/91613548016 password: 732626

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. Academic Integrity:

Students are expected to complete their own work. Working with others to solve problems and independently writing up answers is fine. However, copying another student's solutions verbatim is not. Talking to other students and using unauthorized materials during tests is considered cheating. Violation of this policy will result in the student receiving no credit for the entire assignment or test. Further action may be taken depending on the circumstance. To learn more about what constitutes cheating in a classroom environment, please see the college catalog.

4. 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.

5. 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).

6. 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.

9 Homework (drop 1)	80 Points
5 Quizzes	50 Points
5 Exams	500 Points
Total	630 Points

A: 90-100%
B: 80-89%
C: 70-79%
D: 60–69%
F: 0-59%

Quizzes:

- A **quiz** will be given near **end** of the lesson that are marked on the class calendar
- All quizzes are open notes
- Quizzes are scaled to **10 points** each and will be given during class time, and due next day.
- You need to submit your work to Canvas as a single pdf file.
- There will be 10% penalty on each day for late submission, where partial day is round up to the nearest whole day. If an assignment is 10 minutes day, that's round up to 1 day late.

Homework:

- Homework assignments are assigned on WebAssign Course ID: **deanza 0107 9887**.
- 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 lowest one will be dropped.
- See WebAssign for due dates of each assignment
- You get one free HW extension the whole quarter, and there is 20% penalty on late problems.

Exams:

- Five 100-point exams will be given during scheduled class time.
- 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 make up. If you miss an exam its score is zero.
- Exams will be done online (Canvas or WebAssing). If you need to show work on paper, you will submit your work through Canvas within 15 minutes after the online portion ends. There will be 10% penalty on every 5 minutes late submission on paper submission.

7. 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.

8. Tutoring

The Math, Science, and Technology Resource Center (**S43**) provides free online Zoom tutoring service. For more information, go to https://www.deanza.edu/studentsuccess/

9. Class Calendar

Month	Monday	Tuesday	Wednesday	Thursday	Notes
June	29 7.3/8.1	30 8.1/7.1	1 **Quiz 1** 7.5	2 8.2/8.3	**Thursday, July. 2nd** last day to add.
July	6 **Test 1** **7.1 – 8.1**	7 8.3/8.4	8 8.5	9 **Quiz 2** 9.1	**Monday, July. 6th** last day to drop with no record.
July	13 **Test 2** **8.2 – 8.5**	14 9.2	15 9.3	16 **Quiz 3** 9.4/9.5	
July	20 9.5/review	21 **Quiz 4** 10.6	22 10.7	23 **Test 3** **9.1 – 9.5**	
July	27 10.8	28 10.9	29 **Quiz 5** 11.1	30 11.2	
August	3 **Test 4** **10.6 – 10.9**	4 11.3	5 11.4	6 **Test 5** **11.1 – 11.4**	**Tuesday, August. 4th** last day to drop with a "W".

- Pre-recording lessons will be on Canvas
- Attendance of the following days are **mandatory** for in class activities
- I will notify you if there is change to the days.

  - **Monday 6/29** **Wednesday 7/1**
  - **Thursday 7/9**
  - **Thursday 7/16**
  - **Tuesday 7/21**
  - **Wednesday 7/29**
  - **Wednesday 8/5**

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.