DeAnza College

Winter 2022 MATH 31 –41Z TTh 4:00 – 6:15 Zoom

Instructor:	Lin Zhang **Email**: zhanglinlin@fhda.edu **Canvas:** https://deanza.instructure.com/
Office Hours:	TTh 3:15 – 4:00 PM at Zoom (use the lesson link)
Meeting:	**TTh 4:00 – 6:15 PM** https://fhda-edu.zoom.us/j/98844156556?pwd=d3dROXA1L1cwSFl0a054VU1ISHNIdz09 Meeting ID: 988 4415 6556 Passcode: 943697
Textbook:	Pre-Calculus (OpenStax) by Jay Abramson Free Download: https://openstax.org/details/books/precalculus
Homework:	MyOpenMath.com (See first day lesson for how to create an account and linked it to Canvas)
Equipment:	**Graphing Calculator (**TI 83, TI 84,…) TI Emulator Apps For iPhone: Graphing Calculator X84 (free) For Android: Wabbit EMU (free)

1. **Prerequisite:**
   None

2. **Course Objective:**
   - Examine the definition of a function and investigate the implications of this concept
   - Graph and analyze polynomial, Rational, Exponential and Logarithmic functions and solve related equations and inequalities. Also solve their applications.
   - Examine conic sections graph and properties.
   - Examine sequence and series notations and calculations

3. **Tutoring**
   The Math, Science, and Technology Resource Center **(S43)** provides free individual and small group drop-in services **Monday – Thursday 9AM – 6PM**. For more information, go to
   www.deanza.edu/studentsuccess/mstrc

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. All exams will be done online through Canvas, and there is no formal proctoring system in place. I am going to trust everyone to do their best without seeking answer somewhere else.

4. **Drop Policy:**
   Any student who has been **inactive** for 2 weeks can be dropped from the class. Being considered active, one needs to participate in Canvas discussion board, turn in inClass assignments or homework assignments, or attend Zoom lesson or office hour. Though it's always your responsibility to drop the class if you no longer need it.

5. **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.

6. **Important Dates:**
   Saturday, Jan. 15: last day to add
   Monday, Jan. 17 : last day to drop with no record online.
   Friday, Jan. 28th: last day to request P/NP online.
   February 18-21 Presidents' Day, No classes
   Friday, Feb. 25th: last day to drop with a "W".
   Thursday 3/24 Final Exam 4:00 – 6:00 PM

7. **Grade:**

It is your responsibilities to check Canvas at least once a week to monitor your grades for the class.

36 InClass (drop 4)	27%
8 Homework (drop 1)	10%
6 Discussions	3%
3 Exams	45%
Final Exam	15%
Total	100%

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

InClass:

Each lesson has an InClass Assignment on MyOpenMath. Please attend the Zoom meeting where I will go over examples. Please attempt the problems while you are in class. Keep in mind that your problems are very similar to the ones I do, but adapted with different numbers. 4 lowest scored inclass assignments will be dropped at the end of quarter.

Homework:

Homework assignments are assigned from **textbook**, but you need to submit your answers to MyOpenMath. Even I don't correct your work, you are still encouraged to work out the problem on a piece of paper.

Late Passes

Each student are given **10 late passes (72 hours each)** this quarter. After an assignment is due, you should see a "late pass" button in the description of the assignment. If an assignment is due on 1/12, to open the assignment on 1/20 will cost you 3 late passes, and the new due day is 1/21. After using all your late passes, you can complete an assignment in "Practice mode", and there is a 15% penalty when I record your grade later.

Discussion Board:

There are 6 chapters in this class, and each chapter has its discussion boards. You are required to post 1 content related question or observation AND reply/answer to one post to gain the points. Each discussion boar is worth 0.5%.

Exams:

Three exams will be given with opportunities of test corrections. You CAN'T drop any exam.

The week after the exam, you will be given chance to do **Test correction quizzes** to earn up to 50% of the points you lose from an exam. Test correction quizzes are duplicate of the corresponding exams, and they will be open until the end of quarter. If you score 70% on Test 1 and 80% on a test correction quiz, you are getting bonus of (1/2)*80%*(30%) = 40%*30%=12%. That means your new Test 1 score is 82% = 70% + 12%.

8. Class Calendar

Week	Month	Tuesday	Thursday	Notes
1	**January**	4 1.1/1.2 Ch 2	6 Ch 2	
2	**January**	11 1.4/1.5 Ch 4	13 1.5/1.7 Ch 4	**Saturday, Jan. 15:** last day to add **Monday, Jan. 17 :** last day to drop with no record online.
3	**January**	18 Ch 4	20 Ch 4	**Monday, Jan. 17** MLK holiday No shcool
4	**January**	25 Ch 3	27 **Test 1** (Ch1 Ch 2 & Ch 4)	**Friday, Jan. 28th:** last day to request P/NP online.
5	**February**	1 Ch 3	3 Ch 3	
6	**February**	8 Ch 3	10 Ch 9	
7	**February**	15 Ch 9	17 Ch 9	**February 18-21** Presidents' Day No classes
8	**February**	22 Ch 10	**24** **Test 2** (Ch 3 & Ch 9)	**Friday, Feb. 25th:** last day to drop with a "W".
9	**March**	1 Ch 10	3 Ch 10	
10	**March**	8 Ch 11	10 Ch 11	
11	**March**	15 Ch 11	17 **Test 3** (Ch 10 & Ch 11)	
12	**March**	22 No Class	24 **Final Exam** **4:00 – 6:00 PM**	

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.