MATH 41 **SECTION MP1** **CRN 35776** **WINTER 2020**

Instructor: **Dr. Zack Judson** Office Hours: TWThF 9:30-10:20 E36B

Email: judsonzack@deanza.edu
(Note: I will not answer Math questions over email)

Prerequisite: Math 114 or an equivalent course

Text:
1) "Precalculus" by OpenStax (available for free online)
2) XYZ Homework (REQUIRED)
2) A Scientific Calculator (i.e. TI-30XIIS)

Grade: Your grade will be computed using the following grade distribution.

10%	Quizzes	10%	Groupwork	10%	Homework
43%	Midterms (4)	30%	Final		

Grading Scale:

A : 93-100	B+ : 87-89	C+ : 77-79	D : 60-69	F : 0-59
A- : 90-92	B : 83-86	C : 70-76		
	B- : 80-82			

Final Exam: A two-hour comprehensive final exam will be given on Thursday, March 26 from 9:15 to 11:15. If a student scores significantly higher or lower on the final than on the other exams, that will be taken into consideration before determining the final grade.

Midterms: Four exams will be given with no make-ups. If an exam is missed under extreme circumstances and for a very valid reason, something will be arranged.

Groupwork: Students will often work in groups. Often this work will be at the board. This work will largely be graded based on effort. There will be no make-up group work allowed. If you are going to miss class for any reason you must inform me by email. Be sure that your email contains the date of the absence and your reason for missing class. Emails should be sent prior to the date missed. Due to some circumstances this may not be possible and the email must then be sent at the earliest opportunity.

Quizzes: We will begin most classes with a quiz. The quiz will generally cover material from the day before. The intention of these quizzes is to help prepare you for the exams. To reduce the stress of these quizzes, they will be community quizzes. You will be allowed to work with any and all students in the class to complete the quiz correctly. As long as everyone in the class works on these community quizzes in good faith, no one will receive a grade lower than the class average on these quizzes.

Homework: Homework will be assigned daily and will be due by the start of the next class session. Homework will be assigned using the online platform **MyOpenMath.** Our course number is **21980**.

Quizzes: Every day class will begin with a short quiz based on the homework you will be turning in. You will take the quiz on the blank half of the first page of your homework. You will be allowed to use your homework on the quiz. The quiz will last for only 5 minutes, so it is important to make it to class on time. There will be no late or make-up quizzes. Your lowest four quizzes will be dropped.

Accommodations: Those of you who need additional accommodations due to disability, campus-related activities, or some other reason, please meet with me during the first two weeks of class to discuss your options.

Tentative Schedule
Math 41 Winter Quarter 2020

	Monday	Tuesday	Wednesday	Thursday	Friday
January	Introductions 6	Linear Equations 7	Linear Inequalities 8	Linear Equations in 2 Variables 9	Slope 10
January	Linear Models 13	Factoring Quadratics 14	Factoring Quadratics 15	Completing the Square 16	The Quadratic Formula 17
January	Martin Luther King Jr.'s Holiday 20	Graphing Quadratics 21	Conic Sections 22	Graphing Conics 23	Review 24
January	Midterm 1 27	Functions 28	Function Notation 29	Domain and Range 30	Behavior of Graphs 31
February	Composition of Functions 3	Transforming Functions 4	Transforming Functions 5	Absolute Values 6	Inverse Functions 7
February	Review 10	Midterm 2 11	Polynomials and Power Functions 12	Graphs of Polynomials 13	Presidents' Holiday 14
February	Presidents' Holiday 17	Dividing Polynomials 18	Complex Numbers 19	Zeroes of Polynomials 20	Rational Functions 21
February	Rational Functions 24	Radical Functions 25	Variation 26	Review 27	Midterm 3 28
March	Exponential Functions 2	Exponential Functions 3	Exponential Graphs 4	Logarithmic Functions 5	Logarithmic Graphs 6
March	Logarithmic Properties 9	Logarithmic Properties 10	Logarithmic Equations 11	Exponential Equations 12	Exponential Models 13
March	Exponential Models 16	Review 17	Midterm 4 18	Review 19	Exit Survey 20
March	 23	 24	 25	**Final 9:15-11:15** 26	 27

Important Dates:
January 18: Last day to add a class
January 19: Last day to drop with no grade on record.
January 31: Last day to request Pass/No Pass grade.
February 28: Last day to drop with a "W".

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.