MATH 114   **SECTION MP2**   **CRN 31497**   **WINTER 2019**

Instructor: **Dr. Zack Judson**

Office Hours: MWF 9:30-10:20   TTh 12:30-1:20   Office: E36b

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

Prerequisite: Math 212 or an equivalent course

Text: **1) INTERMEDIATE ALGEBRA, 7th Edition   BY BLITZER**
                   2) Student Access Code to MyMathLab (Required)
                   3) A Scientific Calculator (i.e. TI-30XIIS)

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

Homework: Homework will be assigned on MyMathLab. No late work will be accepted.
                   MyMathLab   Course ID: judson00242

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.

Final Exam: On the last Tuesday of class there will be an exam covering all of the
                   applications covered during this course. This score will be combined with
                   the two-hour comprehensive exam that will be given during the final exam
                   time.

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.

Grade:

Homework	15%	Midterms (4)	30%	
Groupwork	15%	Final	25%	
Quizzes	15%			

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

Tentative Schedule
Math 114 Winter Quarter 2019

	Monday	Tuesday	Wednesday	Thursday	Friday
January	Introductions 7	Review of Exponents 8	Basics of Factoring 9	Mixed Factoring 10	Rational Functions 11
January	Simplifying Rationals 14	Common Denominators 15	Adding Rationals 16	Rational Equations 17	Rational Models 18
January	Martin Luther King Jr's Day 21	Mixed Rationals 22	Review 23	Midterm 1 24	Absolute Value Equations 25
January/ February	Absolute Value Inequalities 28	Radicals and Roots 29	Rational Exponents 30	Simplifying Radicals 31	Arithmetic with Radicals 1
February	Radical Equations 4	Radical Models 5	Circles and the Distance formula 6	Review 7	Midterm 2 8
February	Graphing Exponentials 11	Exponential Functions 12	Exponential Models 13	Exponential Growth and 14 Decay	President's Day Weekend 15
February	President's Day Weekend 18	Inverse Functions 19	Logarithmic Functions 20	Translating Logarithms 21	Properties of Logarithms 22
February/ March	Logarithmic Equations 25	Exponential Equations 26	Exponential Models Revisited 27	Review 28	Midterm 3 1
March	Introduction to Sequences 4	Introduction to Series 5	Arithmetic Sequences 6	Arithmetic Series 7	Geometric Sequences 8
March	Geometric Series 11	Mixed Series and Sequences 12	Review 13	Midterm 4 14	Review of Applications I 15
March	Review of Applications II 18	Application Final 19	Review for Final 20	Review for Final 21	Exit Survey 22
March	 25	 26	 27	**Final 9:15-11:15 am** 28	 29

Important Dates: January   19: Last day to add a class
                   January   20: Last day to drop with no grade on record.
                   February   1: Last day to request Pass/No Pass grade.
                   March   1: Last day to drop with a "W".

Student Learning Outcome(s):

*Evaluate real-world situations and distinguish between and apply exponential, logarithmic, rational, and discrete function models appropriately.
*Analyze, interpret, and communicate results of exponential, logarithmic, rational, and discrete models in a logical manner from four points of view - visual, formula, numerical, and written.