MATH 114   **SECTION 1**   **SPRING 2018**

Instructor: **Dr. Zack Judson**

Office Hours: Mon 12:30-1:20   TWTh 8:30-9:20   Office: E36b

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

Prerequisite: Math 212 or an equivalent course

Text: **1) <u>INTERMEDIATE ALGEBRA, 7th Edition</u>   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, an equivalent of the final score will
                    replace the missing exam score.

Homework: Homework will be assigned on MyMathLab. No late work will be accepted.
                    MyMathLab   Course ID: judson74453

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.

Final Exam: On the last Wednesday 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.

Grade:

Homework	20%	Midterms (4)	40%
Groupwork	10%	Final	30%

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

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 114 Spring Quarter 2018

	Monday	Tuesday	Wednesday	Thursday	Friday
April	Review of Exponents 9	Review of Factoring 10	Rational Functions 11 Ch. 6.1	Simplifying Rationals 12 Ch. 6.1	Multiply and Divide Rationals 13 Ch. 6.1
April	Common Denominators 16 Ch. 6.2	Adding Rationals 17 Ch. 6.2	Variation 18 Ch. 6.8	Rational Equations 19 Ch. 6.6	Rational Models 6 Ch. 6.7
April	More Rational Models 23 Ch. 6.7	Review 24	Midterm 1 25	Absolute Value Equations 26 Ch. 4.3	Absolute Value Inequalities 27 Ch. 4.3
April/ May	Radicals and Roots 30 Ch. 7.1	Rational Exponents 1 Ch. 7.2	Simplifying Radicals 2 Ch. 7.3	Arithmetic with Radicals 3 Ch. 7.4-5	Circles and the Distance formula 4 Ch. 10.1
May	Radical Equations 7 Ch. 7.6	Radical Models 8 Ch. 7.6	Review 9	Midterm 2 10	Graphing Exponentials 11
May	Exponential Functions 14	Growth and Decay I 15	Inverse Functions 16	Logarithmic Functions 17 Ch. 9.3	Translating Logarithms 18 Ch. 9.3
May	Expanding Logarithms 21 Ch. 9.4	Condensing Logarithms 22 Ch. 9.4	Logarithmic Equations 23 Ch. 9.5	Exponential Equations 24 Ch. 9.5	Exponential Equations 25 Ch. 9.5
May/ June	Memorial Day	Growth and Decay II 29	Growth and Decay III 30	Review 31	Midterm 3 1
June	Scientific Notation 4	Sequences 5 Ch. 11.1	Series 6 Ch. 11.1	Arithmetic Sequences 7 Ch. 11.2	Arithmetic Series 8 Ch. 11.2
June	Geometric Sequences 11 Ch. 11.3	Geometric Series 12 Ch. 11.3	Mixed Series and Sequences 13	Review 14	Midterm 4 15
June	Review of Applications I 18	Review of Applications II 19	Application Final 20	Review for Final 21	Exit Survey 22
June	**Final 7:00-9:00am** 25	26	27	28	29

Important Dates: April   21:   Last day to add a class.
                   April   22:   Last day to drop with no grade on record.
                   May   4:   Last day to request Pass/No Pass grade.
                   June   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.