MATH 114 **SECTION 14** **CRN 25042** **FALL 2018**

Instructor: **Dr. Zack Judson**

Office Hours: MWThF 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) 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 extreme 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: judson98322**

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 Thursday 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 Fall Quarter 2018

	Monday	Tuesday	Wednesday	Thursday	Friday
September	Introductions 24	Review of Exponents 25	Basics of Factoring 26	Mixed Factoring 27	Rational Functions 28
October	Simplifying Rationals 1	Common Denominators 2	Adding Rationals 3	Rational Equations 4	Rational Models 5
October	Rational Models 8	Review 9	Midterm 1 10	Absolute Value Equations 11	Absolute Value Inequalities 12
October	Radicals and Roots 15	Rational Exponents 16	Simplifying Radicals 17	Arithmetic with Radicals 18	Circles and the Distance formula 19
October	Radical Equations 22	Radical Models 23	Review 24	Midterm 2 25	Graphing Exponentials 26
October/ November	Exponential Functions 29	Exponential Models 30	Exponential Growth and 31 Decay	Inverse Functions 1	Logarithmic Functions 2
November	Translating Logarithms 5	Expanding Logarithms 6	Condensing Logarithms 7	Logarithmic Equations 8	Exponential Equations 9
November	Veterans Day 12	Exponential Models Revisited 13	Growth and Decay Revisited 14	Review 15	Midterm 3 13
November	Introduction to Sequences 19	Introduction to Series 20	Scientific Notation 21	Thanksgiving 22	Break 23
November	Arithmetic Sequences 26	Arithmetic Series 27	Geometric Sequences 28	Geometric Series 29	Mixed Series and Sequences 30
December	Review 3	Midterm 4 4	Review of Applications 5	Application Final 6	Review for Final 7
December	**10**	11	**Final 11:30-1:30** 12	13	14

Important Dates:
October 6: Last day to add a class
October 7: Last day to drop with no grade on record.
October 19: Last day to request Pass/No Pass grade.
November 16: 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.