MATH 114 **SECTION MP1** **CRN 24089** **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)

Grade:

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

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: judson75607**

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 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.

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.

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 Fall Quarter 2018

	Monday	Tuesday	Wednesday	Thursday	Friday
September	Review of Exponents 24	Basics of Factoring 25	Mixed Factoring 26	Rational Functions 27	Simplifying Rationals 28
October	Common Denominators 1	Adding Rationals 2	Rational Equations 3	Rational Models 4	Rational Models 5
October	Mixed Rationals 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	Properties of Logarithms 6	Logarithmic Equations 7	Exponential Equations 8	Exponential Models Revisited 9
November	Veterans Day 12	Growth and Decay Revisited 13	Review 14	Midterm 3 15	Scientific Notation 16
November	Introduction to Sequences 19	Introduction to Series 20	Arithmetic Sequences 21	Thanksgiving 22	Break 23
November	Arithmetic Series 26	Geometric Sequences 27	Geometric Series 28	Mixed Series and Sequences 29	Review 30
December	Midterm 4 3	Review of Applications I 4	Review of Applications II 5	Application Final 6	Review for Final 7
December	**10**	11	12	**Final 9:15-11:15 am** 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.