

MATH 114 SECTION MP2 CRN 01271 SPRING 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 extreme 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: judson98907

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.

Grade: The way in which the homework, groupwork, quizzes, midterms and finals will contribute to your grade will be co-constructed by the class on the first day of the quarter.

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 Winter Quarter 2019

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

Important Dates: April 20: Last day to add a class
 April 21: Last day to drop with no grade on record.
 May 3: Last day to request Pass/No Pass grade.
 May 31: 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.