Instructor: Dr. Zack Judson
Office Hours: MTWThF 9:30-10:20 E36b
Email: judsonzack@deanza.edu
(Note: I will not answer Math questions over email)
Prerequisite: $\quad$ Math 212 or an equivalent course

## Text: 1) INTERMEDIATE ALGEBRA, $7^{\text {th }}$ Edition BY BLITZER <br> 2) Student Access Code to MyMathLab (Required)

Student Learning 1) Evaluate real-world situations and distinguish between and apply exponential, Objectives: logarithmic, rational, and discrete function models appropriately
2) 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.

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: Students will complete Homework assignments on MyMathLab. No late work will be accepted.
MyMathLab
Course ID: judon53482
Groupwork: Students will often work in groups. Sometimes this work may 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 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:

Grading Scale:
$\left.\begin{array}{cllll}\begin{array}{llll}\text { Homework } \\ \text { Groupwork }\end{array} & 10 \% & \text { Midterms (5) } & 40 \% & \\ & 10 \% & \text { Final } & & 30 \%\end{array}\right]$

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 2017

|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| :---: | :---: | :---: | :---: | :---: | :---: |
| September | Techniques of Factoring 25 | Strategies for Factoring 26 | Rational Functions 27 Ch. 6.1 | $\begin{aligned} & \text { Variation } \\ & \text { 28 } \\ & 28.6 .8 \end{aligned}$ | Simplifying Rationals 29 Ch. 6.1 |
| October | $$ | Adding Rationals $3 \quad \text { Ch. } 6.2$ | Complex Rationals $4 \quad$ Ch. 6.3 | Rational Equations 5 Ch. 6.6 | Rational Models <br> $6 \quad$ Ch. 6.7 |
| October | More Rational Models $9 \quad$ Ch. 6.7 | Review <br> 10 | Midterm 1 $11$ | Absolute Value Equations <br> 12 Ch. 4.3 | Absolute Value Inequalities 13 Ch. 4.3 |
| October | Radicals and Roots. <br> $16 \quad$ Ch. 7.1-2 | Simplifying Radicals 17 Ch. 7.3 | Arithmetic with Radicals <br> $18 \quad$ Ch. 7.4-5 | Radical Equations 19 Ch. 7.6 | Radical Models <br> $20 \quad$ Ch. 7.6 |
| October | Circles and the distance formula 23 | Review $24$ | Midterm 2 $25$ | Graphing Exponentials 26 | Exponential Functions 27 |
| October/ <br> November | Growth and Decay I <br> 30 | Inverse Functions 31 | Logarithmic Functions 1 Ch. 9.3 | Translating Logarithms 2 Ch. 9.3 | Expanding Logarithms $3 \quad$ Ch. 9.4 |
| November | Condensing Logarithms $6 \quad$ Ch. 9.4 | Logarithmic Equations $7 \quad$ Ch. 9.5 | Exponential Equations $8 \quad$ Ch. 9.5 | Growth and Decay II 9 | $\begin{aligned} & \hline \text { Veteran's Day } \\ & 10 \\ & \hline \end{aligned}$ |
| November | Growth and Decay III 13 | Review $14$ | Midterm 3 $15$ | Scientific Notation 16 | Sequences $17 \quad \text { Ch. } 11.1$ |
| November | $\begin{array}{\|l\|} \hline \text { Series } \\ 20 \quad \text { Ch. } 11.1 \\ \hline \end{array}$ | Arithmetic Sequences 21 Ch. 11.2 | Arithmetic Series <br> 22 Ch. 11.2 | Thanksgiving $23$ | Break <br> 24 |
| November/ December | Geometric Sequences 27 Ch. 11.3 | Geometric Series $28 \quad \text { Ch. } 11.3$ | Mixed Series and Sequences $29$ | Review $30$ | Midterm 4 $1$ |
| December | Review of Applications I 4 | Review of Applications II 5 | Application Final 6 | Review for Final 7 | Exit Survey <br> 8 |
| December | 11 | 12 | 13 | $\begin{aligned} & \hline \text { Final } \\ & 9: 15-11: 15 \\ & 14 \\ & \hline \end{aligned}$ | 15 |

Important Dates: October 7: Last day to add a class.
October 8: Last day to drop with no grade on record.
October 20: Last day to request Pass/No Pass grade.
November 17: Last day to drop with a "W".

