

MATH 212

MPS

WINTER 2018

Instructor: **Dr. Zack Judson**

Office Hours: MW 12:30-1:20 TTh 9:30-10:20 E36b

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

Prerequisite: Math 210 or an equivalent course

Text: **1) INTERMEDIATE ALGEBRA, 7th Edition BY BLITZER**
2) Student Access Code to MyMathLab (Required)

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: judson35612**

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.

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.

Grade:

| | | | | | |
|-----------|-----|--------------|-----|-------|-----|
| Homework | 10% | Quizzes | 10% | Final | 30% |
| Groupwork | 10% | Midterms (5) | 40% | | |

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 212 Winter Quarter 2018

| | Monday | Tuesday | Wednesday | Thursday | Friday |
|----------------------|--|-----------------------------------|---------------------------------------|------------------------------------|---|
| January | Arithmetic Ch. 1.2 8 | Simplifying Ch. 1.2 9 | Graphing Ch. 1.1,3 10 | Functions Ch. 2.1 11 | Functions Ch. 2.2 12 |
| January | Martin Luther King's Birthday 15 | Linear Equations Ch. 1.4 16 | Linear Functions Ch. 2.4 17 | Linear Models I Ch. 2.4 18 | Graphing Lines Ch. 2.4 19 |
| January | Slope Ch. 2.4 22 | Linear Models II 23 | Review of Linear Models 24 | Review 25 | Midterm 1 26 |
| January/ February | Systems Ch. 3.1 29 | Substitution Ch. 3.1 30 | Elimination Ch. 3.1 31 | Applications I Ch. 3.2 1 | Applications II Ch. 3.2 2 |
| February | Applications III Ch. 3.2 5 | Inequalities Ch. 4.4 6 | Inequalities Ch. 4.4 7 | Review 8 | Midterm 2 9 |
| February | Introduction to Parabolas 12 | Vertex Form Ch. 8.3 13 | Square Root Property 14 Ch. 8.1 | Quadratic Formula 15 Ch. 8.2 | President's Day Weekend 16 |
| February | President's Day Weekend 19 | Standard Form Ch. 8.3 20 | Min/Max Ch. 8.3 21 | Min/Max Ch. 8.3 22 | Graphing Parabolas 23 |
| February/ March | Review 26 | Midterm 3 27 | Exponents Ch. 1.6 28 | Polynomials Ch. 5.1 1 | Multiplication of Polynomials 2 Ch. 5.2 |
| March | GCF Ch. 5.3 5 | Grouping Ch. 5.3 6 | Monic Trinomial Ch. 5.3 7 | Ugly Trinomials Ch. 5.3 8 | Polynomial Equations 9 Ch. 5.7 |
| March | Applications Ch. 5.7 12 | Applications Ch. 5.7 13 | Mixed Factoring Ch. 5.6 14 | Review 15 | Midterm 4 16 |
| March | Review 19 | Review 20 | Application Final 21 | Review 22 | Exit Survey 23 |
| March | | | | Final 9:15-11:15 29 | 30 |

Important Dates: January 20: Last day to add a class.
 January 21: Last day to drop with no grade on record.
 February 2: Last day to request Pass/No Pass grade.
 March 2: Last day to drop with a "W".

Advice from my last MPS Class.

“Only way to pass? Do the work.”

“Take advantage of tutoring, talk to your classmates, and don’t fear asking questions.”

“Be approachable, relatable and human. That’s 95% of why I love MPS vs. standard classes.”

“You have to want to pass this class as if you want mother breath. Ask questions!!! Ask for help!!!”

“Do your homework! Come to class, be on time.”

“Do homework every day, don’t fall behind on homework cuz you’ll be lost.”

“Study and take advantage of the tutoring center. It makes a difference.”

“Do homework and try your best because it makes everything easier in the long-run.”

“COME TO CLASS!”

“DO YOUR DAMN HOMEWORK KIDS!!!”

“Take advantage of tutoring and tutors in class for help.”

“Take enough sleep, be disciplined & seize the day!”

“Do homework! Study before the exams!”

Take notes of everything!”

“Take advantage of all the help that MPS offers. Really don’t think I could have passed without it.”

“MPS is a really helpful program especially if you are bad at math. I honestly wish they could extend all math classes to be MPS classes because people do struggle.”

Student Learning Outcome(s):

*Evaluate real-world situations and distinguish between and apply linear and quadratic function models appropriately.

*Analyze, interpret, and communicate results of linear and quadratic models in a logical manner from four points of view - visual, formula, numerical, and written.

*Demonstrate an appreciation and awareness of applications in their daily lives.