

**Rudolf
Room G-5**

**Math 212.72
Syllabus**

**Winter 2018
9:00-11:15 pm**

Required text: Intermediate Algebra, 7th Edition, Blitzer, Robert, Pearson Education Inc., Boston, 2017

Calculator: A scientific calculator is required. You cannot share them, and you may not use a cell phone or any other device with internet connectivity. **Bring your calculator to class every day!**

Office Hours: Tuesday and Thursday 5:25 – 6:15 pm in S-43

E-mail address: hrudolf@presidiotrust.gov

Attendance: You are expected to attend class every day. Material not discussed in the text may be covered. **Often, students who don't attend class end up dropping or flunking!**

Adding: You must add by the **end** of the 2nd week of class (Saturday, January 20th). After that, I will not allow you to add.

Dropping: It is your responsibility to drop the course on or before Friday, March 2nd if you decide to discontinue the course. **If you do not drop by that date and you are on my final roster, I will have to give you a grade.**

If you miss two quizzes, or the first midterm before the drop date, it will be at my discretion to drop you.

Prerequisite: Math 210 (Pre-Algebra) or its equivalent with a grade of C or better, or the Math Placement Exam with a qualifying score within the last calendar year.

Course content: Course topics will include a review of Pre-Algebra, linear equations, exponents and polynomials, functions, and quadratic equations.

Grading: Your grade will be based on the following:

| | |
|----------------------|-------------------|
| 7 quizzes, 1 dropped | 150 points |
| 2 exams | 200 points |
| 1 final exam | <u>150 points</u> |
| | 500 points |

The grading scale is as follows:

| <u>Percentages</u> | <u>Total Points</u> | <u>Grade</u> |
|--------------------|---------------------|--------------|
| 86 – 100 | 430-500 | A |
| 76 – 85 | 380-429 | B |
| 66 – 75 | 330-379 | C |
| 56 – 65 | 280-329 | D |
| Below 56 | <280 | F |

Testing: Your lowest quiz score will be dropped. You are allowed **one** “excused” absence (i.e. illness, car trouble) on a day of a quiz or an exam. **No make-up is allowed for the final exam.**

It will be your responsibility to notify me via e-mail before 3:00 pm the day of the next class period to make arrangements to make-up the missed quiz or exam and you will take the quiz or exam during my office hour or during class. (If there are extenuating circumstances, other times can be arranged but you still need to notify me before the next class period.) **If you don’t show up to the make-up, you will get a zero and it will count as your make-up.**

If you use your make-up and then miss a quiz or an exam, you will get a zero on that quiz or exam.

If you know in advance that you will not be here for a quiz or a midterm, I will allow you to take the test early as long as you give me 1 week advanced notice. If you take the quiz or exam early, it will not count as a make up.

The final exam will be comprehensive. See calendar for quiz, midterms, and final exam dates.

All quizzes and midterms are closed book. A cheat sheet, 8 ½ x 11 inches, will be allowed for the final exam.

- Testing Rules:**
- 1) If you come in late for a quiz or a test, you lose the time.
 - 2) A wrong answer for a problem cancels out a right answer.
 - 3) Scratch paper will be provided for the midterms and the final exam. You may not use scratch paper for a quiz.

Testing Material:

| Unit | Topic(s) | Quiz #/Test # |
|------------------|--|---------------|
| Unit 1 | Pre-Algebra Review | Quiz #1 |
| Unit 2 | Solving Equations, Formulas, Applications, and Linear Inequalities | Quiz #2 |
| Unit 3 | Graphing Lines | Quiz #3 |
| Units 1-3 | | Midterm I |
| Unit 4 | Systems of Linear Equations | Quiz #4 |
| Unit 5, Part I | Exponents and Scientific Notation | Quiz #5 |
| Unit 5, Part II | Polynomial Math | Quiz #6 |
| Unit 5, Part III | Factoring Polynomials | Quiz #7 |
| Unit 6 | Functions | No Quiz |
| Units 4-6 | | Midterm II |
| Unit 7 | Quadratic Equations and Functions | No Quiz |
| Units 1-7 | | Final Exam |

Homework: Homework will be assigned at the beginning of each unit and will be e-mailed to you. The answers to the text problems can be found in the back of the book. Additional problems covering material not presented in the text will be assigned as well, and the answers to these problems will be given to you. It is highly recommended that you do the homework. Many problems will be assigned to allow you to practice, and for that reason, the homework will be **non-collectable**.

Handouts: The unit outline packets will be e-mailed to you prior to the day we start that particular unit in lecture. Be sure to print it out and bring it to class. The packets also include copies of the transparencies that I will use in lecture and not having those transparencies in front of you during lecture will put you at a disadvantage.

Electronics: Cell phones must be turned off or set for vibration only. Do not answer your phone and have a conversation in class!

If you have to take a call, then you need to leave the classroom and have the conversation far away from the classroom.

Comments:

- 1) If I catch you cheating, you will be dropped from the course.
- 2) Don't ever e-mail me asking me for your grade on a quiz, an exam, the final or the class.
- 3) Make sure your De Anza e-mail in My Portal is current.
- 4) If you have any learning disabilities, please make sure you talk to me ASAP and that you provide me with all of the appropriate paperwork and I will make accommodations for you.

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.