

Math 212 - MP3 MTWThF 10:30 AM - 12:20 PM, Room E34, CRN 01634

Office Hours: MTTh 12:30 - 1:30 PM and Wednesday 1:30 - 2:30 PM

College Math Preparation Level 2: Beginning Algebra

Prerequisite: Prerequisite: Qualifying score on the Math Placement Test within last calendar year; or Mathematics 210 or equivalent with a grade of C or better.

Course Description: This course is a preparation course for further studies in algebra. Emphasis will be placed on developing systematic problem solving techniques, exploring the concept of a function algebraically, numerically, and graphically, looking at the characteristics of linear functions and describing their meaning to a problem, developing linear models to simulate problems and use systems of equations to solve real world problems. Development of quadratic functions and their applications will also be studied.

Textbook: Intermediate Algebra, by Blitzer, 7th edition, bundle with MyMathLab access code. You must purchase the MyMathLab access code from the bookstore or at <http://www.coursecompass.com>. A scientific calculator is required.

Tutoring Services: The De Anza campus has a tutorial center for math students where students can get "drop in" help. Students can also register to have a regular, assigned tutor for help throughout a quarter. The tutoring center is located in room S-43.

Student Conduct: Do not cheat. If you have a question during a test, you are only allowed to talk to the instructor. Anyone caught cheating on an exam will receive an automatic 0 and be reported to the Dean of the PSME Division. You can be expelled from the class and possibly from De Anza College with a grade of F if you are caught cheating.

Classroom Behavior: Please show courtesy for me and your fellow classmates by turning off and putting away your cell phone during class time, especially during exams. Please do not take calls or text message during class. Do not talk while fellow classmates or I are talking. If you have any type of learning disability, please let me know during the first week of classes so that special arrangements can be made, if necessary.

Student Learning Objectives:

- (1) Evaluate real-world situations and distinguish between and apply Linear and quadratic function models appropriately.
- (2) Analyze, interpret and communicate results of linear and quadratic Models in a logical manner from four points of view –visual, formula, numerical and written.
- (3) Demonstrate an appreciation and awareness of applications in their daily lives.



Time Management: You should expect to spend at least 2 hours outside of the classroom for every 1 hour inside the classroom. This time outside of the classroom may include homework, reviewing notes, studying, and attending office hours. If you want to be successful in this class you will need to put time and effort into it.

Attendance: Students are expected to attend every class meeting. Make sure you sign the attendance roster at each class meeting. If you miss a day, it is solely your responsibility to seek out another student or myself to find out what you missed. You cannot expect to do well in the class if you fail to attend lectures.

Homework: Homework will be assigned every class meeting online and will have a due date. All homework must be submitted by 11:59PM on the due date. You must set up an account by Monday, October 2, 2017 or you will be dropped from the class. If you have a homework problem you were not able to complete, you have the next class session to ask by putting the problem on the board. 30% will be deducted from late homework. However, at the end of the quarter your lowest homework score will be dropped. Homework will count for 13% of your term grade.

Quizzes: There will be a quiz every week. Each quiz will be assigned online or in- class intermittently throughout the term to test your skills on the concepts we are covering in class and online. **NO** make-up quiz will be given. To compensate for this, I will drop your lowest quiz score. These quizzes will count for 12% of your grade.

Midterms: I will give three in class exams during the quarter. No notes or calculators will be allowed on any exams. These exams will be completed in class and will contain the materials covered in the lectures, online, and in the book. If you are unable to take an exam for any reason, **a makeup exam will not be given.** In the case of a documented emergency, I will replace a missing exam score with your final exam score. These exams will count for 50% of your term grade.

Final Examination: If you do not take the final exam, you **WILL NOT** receive a passing grade. There will be a comprehensive final examination on **Thursday, December 14 from 9:15 AM - 11:15 AM.** This test will count for 25% of your term grade.

Grade Breakdown:

A+: 97 - 100%	B+: 87 - 88%	C+: 77 - 78%	D: 62 - 66%
A: 92 - 96%	B: 82 - 86%	C: 69 - 76%	D-: 60 - 61%
A-: 89 - 91%	B-: 79 - 81%	D+: 67 - 68%	F: < 60%

Important Dates:

- The last day to add classes is Saturday, October 7.
- The last day to drop for a full refund no record of grade is Sunday, October 8.
- The last day to request pass/no pass grade is Friday, October 20.
- The last day to drop with a "W" is Friday, November 17.

Tentative Schedule for Math 212, Fall 2017

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	September 25 Syllabus Section 1.1*	September 26 Section 1.2 & 1.3	September 27 Section 1.4	September 28 Section 1.5	September 29 Section 1.5
2	October 2 Section 1.6*	October 3 Section 1.6*	October 4 Section 2.1	October 5 Section 2.1	October 6 Section 2.2
3	October 9 Section 2.2	October 10 Section 2.3	October 11 Section 2.3	October 12 Review	October 13 Exam 1
4	October 16 Section 2.4	October 17 Section 2.4	October 18 Section 2.5	October 19 Section 2.5	October 20 Section 3.1
5	October 23 Section 3.1	October 24 Section 3.2	October 25 Section 3.2	October 26 Section 4.1	October 27 Section 4.1
6	October 30 Section 4.4	October 31 Section 4.4	November 1 Section 5.1	November 2 Section 5.1	November 3 Section 5.2
7	November 6 Section 5.2	November 7 Review	November 8 Exam 3	November 9 Section 5.3	November 10 Veterans Day
8	November 13 Section 5.3	November 14 Section 5.4	November 15 Section 5.4	November 16 Section 5.5	November 17 Section 5.5
9	November 20 Section 5.6	November 21 Section 5.6	November 22 Section 5.7	November 23 Thanksgiving Holiday	November 24 Thanksgiving Holiday
10	November 27 Section 5.7	November 28 Section 7.1*	November 29 Section 7.7*	November 30 Review	December 1 Exam 3
11	December 4 Section 8.1*	December 5 Section 8.2	December 6 Section 8.2	December 7 Section 8.3	December 8 Final Review
12	December 11 No class	December 12 No class	December 13 No class	December 14 Final Exam 9:15 am - 11:15 am	December 15 No class

*Sec 1.1 Required: Interval Notation only; Review other topics as needed

*Sec 1.6 Define integer exponents (including negative and 0), but use properties with non-negative exponents only

*Sec 7.1 Simplifying numerical values only

*Sec 7.7 Required: Definition of i , simplifying square roots of negative numbers Optional: Basic operations, conjugates

*Sec 8.1 Required: Square root property. Optional: Completing the square

This syllabus is subject to change at the instructor's discretion.