Math 212: Prep for College Math Beginning Algebra – Winter 2018

	Course	Days	Time	
32345	Math 212.22	MW	1:30 - 3:45 PM	Room: PE12U
01368	Math 212.61	MW	6:30 - 8:45PM	Room: FOR3

Office Hours: W: 10am - 1pm Location: TBD email: zapataelizabeth@deanza.edu

My goal in this class is to prepare you for Math 114. To accomplish this goal, we will cover a lot of material in a short time. I am committed to do all I can to explain the material in a way that makes sense, however, the time involved is a commitment you will have to make. Expect to spend at least two to four hours outside of class for every hour of class time. This means you should expect to commit 5 to 10 hours per week to coursework.

I encourage you to work with your classmates both in-class and outside of class. Sometimes, the best way to learn a new subject is to explain it to someone else. Get to know your classmates, form study groups, communicate with one-another through email and text. I will not assign groups, this is up to you.

Course Objectives:

1. Develop, throughout the course as applicable, systematic problem solving methods.
2. Explore the function concept algebraically, numerically, verbally and graphically.
3. Explore the graphical and numerical characteristics of linear relationships and describe their meaning in the context of a problem.
4. Develop linear function models to solve problems.
5. Use systems of two linear equations to solve real world problems.
6. Explore the graphical and numerical characteristics of quadratic relationships and describe their meaning in the context of a problem.
7. Develop quadratic function models to solve problems.
8. Use inequalities to solve real world problems.
9. Investigate, throughout the course as applicable, how mathematics has developed as a human activity around the world.

Required Materials:

Blitzer: Intermediate Algebra for College Students 7th edition with MyMathLab Access.

Alternatively: MyMathLab access: a copy of the etext is available through MyMathLab access.

Computer access

Scientific calculator

Pencil, eraser, paper, ruler, graphing paper

Homework:

Math cannot be mastered without working problems. We will work examples and problems in class. In addition to these in-class activities, you will be assigned online homework.

Graded homework will be completed online through www.MyMathLab.com.

Graded homework must be completed by 11:59pm on the due date. You will be given three tries to correctly complete homework problems. You may print the homework and then enter your answers online. You may close the homework and return to it. Your highest score will be recorded. There is a Study Plan section in MyMathLab that offers opportunities for more practice problems.

Quizzes:

We will have an online quiz after each section. Quizzes will be on MyMathLab. Quizzes are timed, you will have 40 minutes to complete the quiz. You will have two tries to successfully complete the quiz. Quizzes may not be printed. Your lowest quiz score will be dropped.

Exams:

We will have three exams during the quarter on the dates listed on the schedule. You are allowed one 8.5 x 11in page of notes to use during the exam. There are no make-up exams. If your have a special circumstance arise and will miss the exam, you **must** contact me before the date of the exam to make arrangements. Math is cumulative – expect future exams to contain material from earlier in class. Exams may contain some multiple-choice problems, however, you should expect to work out all problems on all exams.

Final Exam:

The final exam will be a comprehensive, multiple choice exam. No credit will be given without work shown. You will be allowed two pages of notes. If your final exam score is higher than any one of your two mid-term exam scores, I will replace your lowest test score with your score from the final exam.

In-Class Activities:

We will work many examples and in-class problems throughout the quarter. Occasionally I will distribute worksheets or other in-class activities. I expect these to be completed during class time and turned in at the end of class for points.

Attendance and Participation:

This is college. You are adults. It is your decision whether you attend class or not. However, as with all decisions you make as adults, you must weigh the consequences of your actions. If you decide not to attend class, it is your responsibility to contact classmates, or me, to determine what material was covered and any announcements that were made.

I understand that, at times, life intervenes, and you are unable to attend, or must arrive late. Do your best to get here, and contact me ASAP if you cannot make it. I will do my best to work with you, however, you must contact me as close to class time as possible.

If you decide to stop coming to class, it is **your** responsibility to drop. **I will not drop you from the class** and will give a grade of F as deserved.

Grading:

Approximate Grading Scheme

3 exams @ 100 pts each	300
Final exam	100
11 quizzes @ 10 points each	100
Homework	100
Worksheets/In-class work	100
Approximate Total	700

Approximate Grading Scale	
630 and above	A
560 - 629	B
490 - 559	C
420 - 489	D
Below 420	F

Accessing Grades and Class Materials:

All grades will be recorded on Canvas

Cell Phones:

I will not allow cell phones as calculators.

Your cell phone should be stowed in your pack during class time.

If you have children, or other potential emergency situations, please keep your phone on vibrate and take the call outside of the classroom.

Tutorial Help:

There are two tutorial centers on the DeAnza campus. S-43 provides drop-in tutoring for Math and Science, and L-47 for everything else. Individual tutoring is available. Please visit the tutor centers early in the semester to determine what tutoring is available for you. Talk to the tutors and other students.

Other Accommodations:

If you need accommodations for whatever reason, please contact the Educational Diagnostic Center(LCW-110, 408-864-8839) or Disability Student Services (SCS-141, 408-864-8753) to arrange for in-class and/or testing accommodations.

Tentative Course Schedule

Intermediate Algebra, Winter 2018		
Tentative Schedule		
	Monday	Wednesday
January	8-Jan	10-Jan
	Introduction, Syllabus, Sections 1.1, 1.2	Quiz 1: Arithmetic Sections 1.4, 1.6
	15: No Class	17-Jan
		Sections 1. 5, 4.1
	22-Jan	24-Jan
	Sections 2.1, 2.2, 2.3	Sections 2.3, 2.4, 2.5. Review for Exam 1
	29-Jan	31-Jan
	Exam 1	Section 3.1, 3.2: Elimination and Substitution
February	5-Feb	7-Feb
	Sections 4.4 and 5.1	Section 5.2 Review for Exam 2
	12-Feb	14-Feb
	Exam 2	Section 5.3
	19: No Class	21-Feb
		Sections 5.3 and 5.4
	26-Feb	28-Feb
	Section 5.5, 5.6	Sections 5.6, 5.7
March	5-Mar	7-Mar
	Sections 5.7, 7.1	Section 7.7 Review for Exam 3
	12-Mar	14-Mar
	Exam 3	Section 8.1 and 8.2
	19-Mar	21-Mar
	Section 8.3	Review for Final
	March 26: Final exam 1:30 class: 1:45 - 3:45	March 28: Final exam 6:30 class: 6:15 - 8:15

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.